

WORKING CATALOGUE 2021

FLOS
ARCHITECTURAL

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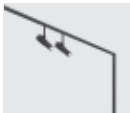









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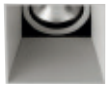
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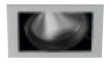
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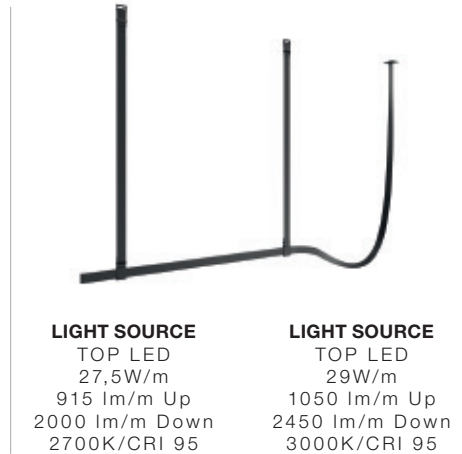
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LIGHT STRUCTURES

Belt, Infra-Structure, Infra-Structure Episode 2,
Diversion, Zero Track, The Micro Running
Magnet, The Running Magnet, The Tracking
Magnet, The Tracking Power, The Fast
Track, In-Finity, LED Squad,
Light Cut Mini, Moonline.

LIGHT STRUCTURES OVERVIEW

		MICRO RUNNING MAGNET		RUNNING MAGNET			FAST TRACK		
PHYSICAL CHARACTERISTICS	MOUNTING	SURFACE	RECESSED	RECESSED	SURFACE	SUSPENSION Down / Up & Down	RECESSED	SURFACE	
	COLORS								
	VOLTAGE / TRACK ADAPTER	24 Vdc In-Track		24 Vdc In-Track			48 Vdc In-Track		
	INNER GAP (mm)	5		35			35		
	OUTER GAP (mm)	-	9	-	41		-	49	
	RECESSED DEPTH (mm)	-	17	73,5	-	-	73,5	-	
	HEIGHT (mm)	14	-	86 / 73	100	100	86 / 73	92	
	LENGTH (mm)	1000 / 2000 / 3000		1000 / 1500 / 2000 / 2500 / 3000			1000 / 1500 / 2000 / 3000		
CONTROL CHARACTERISTICS	PROFILE EMISSION	✗ (Direct emission & Wall-Washer by means of dedicated light modules)		✓ (Upper emission integrated / direct emission by means of dedicated light modules)			✗		
	NON DIMMABLE	✓		✓			✗		
	DALI	✓		✓			✗		
	CASAMBI	✓ (Individual control integrated)		✓ (Individual control integrated)			✓ (Individual control integrated)		
	1 - 10V	✓		✓			✗		
	PUSH	✗		✗			✗		
	MAIN DIMMING	✗		✗			✗		
	UP&DOWN (Indep)	—		✓			—		
COMPATIBLE LIGHT MODULES	ACCENT LIGHTING	Nano Spot 	Light Shadow Spot 	Spot Module 	Spot 120 	Anthony Spot Track 	Spot 100 	Spot 120 	
	DIFFUSED LIGHTING	Light Stripe Diffused 	Light Stripe Wall-Washer 	Multi Spot 4 	Light Shadow / Wall-Washer 	Find Me Suspension 	Spot 175 	—	



■ GN Green
GN Verde

■ 18 Natural Leather
18 Cuero Natural

■ 14 Black
14 Negro



Description

This iconic profile for suspended installation features a refined leather surface developed specifically for Flos Architectural to respond to the needs of safety and cleanliness in public and private environments.

Belt is pure flexibility, a sinuous line that creates a balance between the softness of leather and the rigidity of aluminium. The soft part is represented by the connection to the electrical network, while the rigid parts correspond to the light source, the long lines of light.

Each profile is equipped with integrated direct and indirect lighting and each light source can be controlled individually via remote control.

The product is installed with the use of leather straps to hang the lighting profile, sliding the straps through dedicated metal clasps that act as hooks on the ceiling. Each strap may be regulated to match the shape of the environment.

A special microconnector integrated into the terminal of the lighting profile allows for electrical connection through a simple snap. The electrical connection is hidden within the leather strap, which supports the composition. Profiles available with 2- and 3-m lengths in black, natural leather, and green finishes.

Optic system

Linear Up&Down profile – direct/indirect emission: General Lighting.

Power Supply

The system may be powered only with remote power sources not included with the profiles. Recommended drivers sold separately.

Regulation System

Dimmable system with 1–10 V, DALI, or CASAMBI controller integrated inside the fixture. Individual direct and indirect emission may be regulated through a Casambi or DALI control system.

Additional Information

Electrical system powered at 48V.

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Este perfil icónico para instalación suspendida se caracteriza por una cobertura de cuero de alta calidad desarrollada a medida para Flos Architectural con el fin de responder a las exigencias de seguridad y limpieza de entornos públicos y privados.

Belt es pura flexibilidad, una línea sinuosa cuya característica es el equilibrio entre la ductilidad del cuero y la rigidez del aluminio. El elemento blando está representado por la conexión a la red eléctrica, mientras que las partes rígidas corresponden a las fuentes luminosas de las largas líneas de luz.

Cada perfil está dotado de iluminación integrada directa e indirecta y se puede controlar cada emisión de forma individual mediante el control remoto de la instalación.

La instalación del producto se realiza mediante tirantes de cuero que sirven para suspender el perfil luminoso haciendo que se deslice a través de hebillas metálicas específicas que hacen las veces de ganchos de techo. Cada tirante puede ser ajustado para respetar la conformación del entorno.

Gracias a un microconector especial integrado en el terminal del perfil luminoso permite hacer la conexión eléctrica con un simple clic. El elemento de conexión está escondido en el interior de la trabilla de cuero, que actúa como una suspensión para sujetar la composición.

Perfiles disponibles con longitudes de 2 y 3 m, con acabados en negro, cuero natural y verde.

Sistema Óptico

Perfil lineal Up&Down - emisión directa/indirecta: Iluminación general.

Unidades de Alimentación

El sistema solo se puede alimentar con una fuente de alimentación remota que no se incluye con los perfiles. Los drivers recomendados se deben encargar por separado.

Sistema de Regulación

Sistema regulable con controlador de 1-10 V, DALI o CASAMBI integrado en la luminaria. La regulación individual de la emisión directa y la indirecta solo se puede gestionar a través de un control Casambi o DALI.

Información Adicional

Sistema eléctrico alimentado a 48V.

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

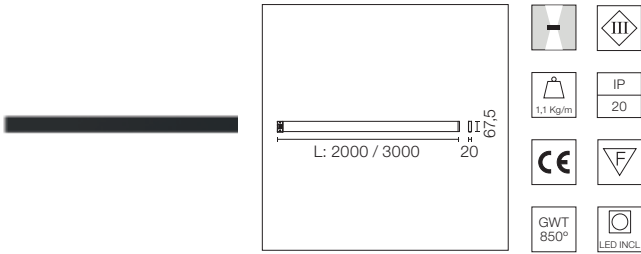
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

BELT – LIGHT MODULE STRUCTURE

Belt

Light Source: Top LED 27,5W/m - 915 lm/m UP - 2000 lm/m DOWN - 2700K/CRI 95 / 27,5W/m - 1050 lm/m UP - 2450 lm/m DOWN - 3000K/CRI 95



Electromechanical profile for interior use with integrated linear lighting for suspended installation available with 2 or 3 m lengths. Installation via suspension straps on the ceiling and remote power kit, to be ordered separately. Up&Down system controlled via DALI or CASAMBI individually and via 1-10V all together (Broadcast).

Perfil electromecánico de interiores con iluminación rectilínea integrada para instalación suspendida disponible con una longitud de 2 a 3 m. Instalación a través de correas de suspensión en el techo y kit de alimentación remoto, que se deben pedir por separado. Sistema Up&Down controlado vía DALI o CASAMBI individualmente y vía 1-10V conjuntamente (Broadcast).

2700K

L: 2000 mm
Dali Version

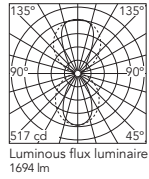
- 03.8500.GN.DA
- 03.8500.18.DA
- 03.8500.14.DA

1-10V (Broadcast)

- 03.8500.GN.1V
- 03.8500.18.1V
- 03.8500.14.1V

Casambi integrated

- 03.8500.GN.CB
- 03.8500.18.CB
- 03.8500.14.CB



Beam Angle: 60°

h(m)	E(lx)	D(m)
1	517	1.16
2	129	2.31
3	57	3.47
4	32	4.63
5	21	5.79

3000K

L: 2000 mm
Dali Version

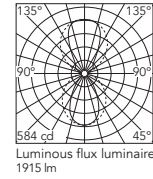
- 03.8505.GN.DA
- 03.8505.18.DA
- 03.8505.14.DA

1-10V (Broadcast)

- 03.8505.GN.1V
- 03.8505.18.1V
- 03.8505.14.1V

Casambi integrated

- 03.8505.GN.CB
- 03.8505.18.CB
- 03.8505.14.CB



Beam Angle: 60°

h(m)	E(lx)	D(m)
1	584	1.16
2	146	2.31
3	65	3.47
4	37	4.63
5	23	5.79

2700K

L: 3000 mm
Dali Version

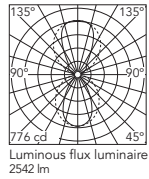
- 03.8501.GN.DA
- 03.8501.18.DA
- 03.8501.14.DA

1-10V (Broadcast)

- 03.8501.GN.1V
- 03.8501.18.1V
- 03.8501.14.1V

Casambi integrated

- 03.8501.GN.CB
- 03.8501.18.CB
- 03.8501.14.CB



Beam Angle: 60°

h(m)	E(lx)	D(m)
1	776	1.16
2	194	2.31
3	86	3.47
4	48	4.63
5	31	5.79

3000K

L: 3000 mm
Dali Version

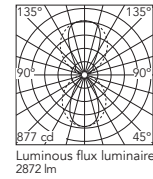
- 03.8506.GN.DA
- 03.8506.18.DA
- 03.8506.14.DA

1-10V (Broadcast)

- 03.8506.GN.1V
- 03.8506.18.1V
- 03.8506.14.1V

Casambi integrated

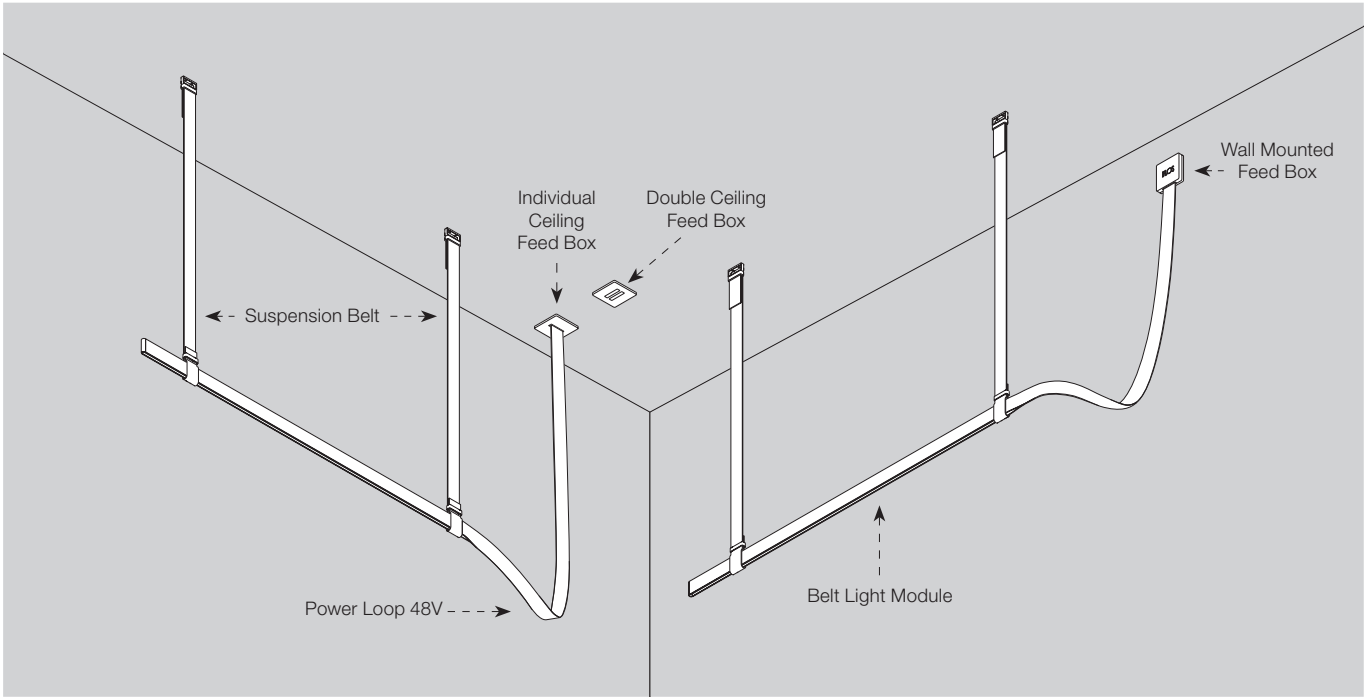
- 03.8506.GN.CB
- 03.8506.18.CB
- 03.8506.14.CB



Beam Angle: 60°

h(m)	E(lx)	D(m)
1	877	1.16
2	219	2.31
3	97	3.47
4	55	4.63
5	35	5.79

BELT – INSTALLATION



Accessories / Accesorios

Suspension strap. 2 units.

Correa de suspensión. 2 unidades.



- L: 1000 mm
- 03.8510.GN
- 03.8510.18
- 03.8510.14
- L: 1500 mm
- 03.8513.GN
- 03.8513.18
- 03.8513.14
- L: 2000 mm
- 03.8511.GN
- 03.8511.18
- 03.8511.14
- L: 2500 mm
- 03.8514.GN
- 03.8514.18
- 03.8514.14
- L: 3000 mm
- 03.8512.GN
- 03.8512.18
- 03.8512.14

48-V power loop.


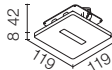




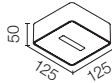

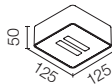

Loop de alimentación de 48V.



- L: 1500 mm
- 03.8520.GN
- 03.8520.18
- 03.8520.14
- L: 2500 mm
- 03.8521.GN
- 03.8521.18
- 03.8521.14
- L: 3500 mm
- 03.8522.GN
- 03.8522.18
- 03.8522.14

BELT

Accessories / Accesorios

Individual ceiling feed box.	Unidad de alimentación individual de techo.			08.0180.00
Double ceiling feed box.	Unidad de alimentación doble de techo.			08.0181.00
Wall mounted feed box.	Unidad de alimentación individual de pared.			08.0182.00
Individual surface feed box.	Unidad de alimentación individual de superficie.			08.0194.00
Double surface feed box.	Unidad de alimentación doble de superficie.			08.0195.00
Surface driver box 96W - 48V, 110-240V.	Caja de superficie con driver de 96W - 48V, 110-240V.			06.0173.14

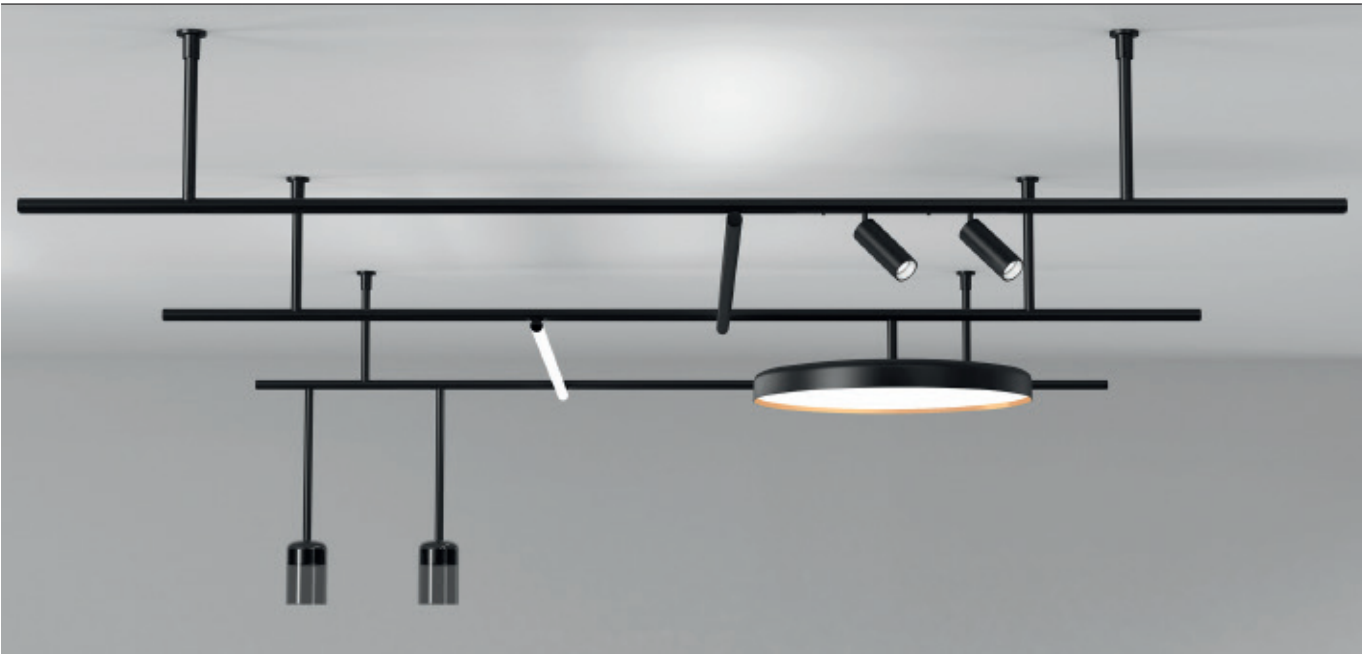
Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			*60.8919
LED power supply source for remote installation, 48V/185W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/185W. 100/240 Vac.			*60.9024
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			*60.9170

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

INFRA-STRUCTURE

DESIGNED BY VINCENT VAN DUYSSEN



Profiles 40 White
 40 Blanco

14 Black
 14 Negro

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT



LIGHT SOURCE
TOP LED
25W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

SPOT 50



LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90



LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150



LIGHT SOURCE
LED ARRAY
22,5W
2000 lm
2700K/CRI 90
2115 lm
3000K/CRI 90

SUSPENSION PANEL 600



LIGHT SOURCE
TOP LED
40W
3195 lm
2700K/CRI 90
3381 lm
3000K/CRI 90

SUSPENSION GLASS DOWNLIGHT 110



LIGHT SOURCE
LED ARRAY
13,5W
1296 lm
2700K/CRI 90
1371 lm
3000K/CRI 90

INFRA - STRUCTURE

Description

Groundbreaking lighting system designed by Vincent Van Duysen for surface installation on ceiling with rigid and adjustable rods.

In the new proposal, beside the successful "On Board Dimmer" version, FLOS goes one step beyond, launching both track and luminaires designed for system management in a variety of options: DALI, 1-10V and Casambi.

Both profile version are manufactured with aluminium profiling extruded in white or black, provided with electric tracks powered at 48V.

The system controlled versions (DALI, 1-10V) are also equipped with graphite data bus for regulation.

The LED light fixtures are installed by means of a magnetic fixture system with mechanical safety fastening.

The light fixtures product group is composed of accent lighting modules with different optics, direct and indirect light ambient lighting systems and decorative light fixtures with the distinctive Flos design.

All light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V and Casambi to adjust the light intensity.

Control

- For installation of "On Board Dimmer" fixtures use "On Board Dimmer" track version.

Luminaires DALI and 1-10V are only compatible with track DALI and 1-10V.

Casambi luminaires can be installed on all profiles available in the system.

- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.

- For 1-10V management, the control system must be active and the data bus must be connected directly to the profile. In this case, regulation will be uniform in all the connected luminaires.

- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.

For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).

Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections.

Optic system

- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: diffuse ambient light.

- Spot 50: Medium.

- Spot 90: Spot, Medium.

- Spot 120 Power LED (same light source as the Spot 50 and Spot 90): Spot, Medium.

- Spot 120 LED Array (same light source as the Spot 150): Medium, Flood.

- Spot 150: Spot, Medium, Flood.

Power Supply

Remote 48V power supply not included. Max 6A - 320W.

Accessories

For the Spot illumination modules, the cross-screening accessories (honeycomb and crosspieces) are incorporated into the product.

Additional Information

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Innovador sistema de iluminación diseñado por Vincent Van Duysen para instalación de superficie en techo mediante varillas rígidas y ajustables.

En esta versión renovada, además de la ya conocida versión "On Board Dimmer", FLOS ha dado un paso más, añadiendo opción de perfil y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.

Ambas versiones de perfiles estructurales se fabrican con perfilera tubular de aluminio extruido en color negro o blanco, y son provistas de pistas eléctricas alimentadas a 48V.

Las versiones controlables como sistema (DALI, 1-10V) además llevan bus de datos en grafito para su regulación. Las versiones Casambi son compatibles con cualquier perfil.

Las luminarias se instalan mediante un sistema de fijación magnética y sujeción de seguridad mecánica.

La familia de luminarias está compuesta por módulos de iluminación de acento con distintas ópticas, sistemas de iluminación ambiental de luz directa e indirecta y luminarias decorativas con el diseño distintivo de Flos.

Todas las luminarias están disponibles con potenciómetro integrado, dimmable DALI o 1-10V para regular la intensidad luminosa, y en versión Casambi para una regulación inalámbrica.

Control

- Para instalaciones de luminaria con sistema de dimado "On Board Dimmer" y FLOS Control, usar perfil en versión "On Board Dimmer". Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI y 1-10V.

Las luminarias Casambi son compatibles con todos los perfiles.

- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.

- Para gestión 1-10V es necesario que el sistema de control sea activo y conectar el bus de datos de control directamente al perfil.

En este caso la regulación será uniforme en todas las luminarias conectadas.

- Para gestión mediante Casambi (máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.

Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V: 20 interconexiones.

Sistema Óptico

- Light Tube Direct / Light Tube Indirect / Suspension Glass Downlight 110 / Suspension Panel 600: luz ambiental difusa.

- Spot 50: Medium.

- Spot 90: Spot, Medium.

- Spot 120 Power LED (misma fuente de luz de los Spot 50 y Spot 90): Spot, Medium.

- Spot 120 LED Array (misma fuente de luz del Spot 150): Medium, Flood.

- Spot 150: Spot, Medium, Flood.

Unidades de Alimentación

Fuente de alimentación remota de 48V no incluida. Max 6A - 320W.

Accesorios

Para los módulos de iluminación Spot, los accesorios de apantallamiento (honeycomb y cruceta) van incorporados en el producto.

Información Adicional

Índice de protección IP20.

Instalable en superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI



INFRA-STRUCTURE – PROFILES

Profiles

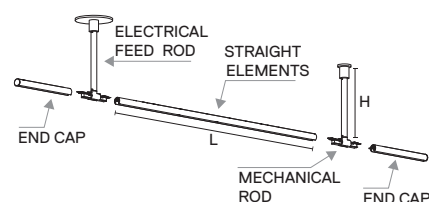
Tubular electromagnetic profile for surface installation in ceilings through rigid and adjustable rods (25 mm). Not adjustable rigid rods available on request. Profiles and closure terminals are available in version compatible with luminaires "on board dimmer" and versions compatible with system controlled luminaires (DALI, 1-10V, FLOS Control® by Casambi).

Tubular profiles available in two lengths: 1055 mm (1100 mm separation between rods) and 1555 mm (1600 mm separation between rods).

The closure terminals will also be electrified and must be ordered separately. Mechanical and electrical rods are the same for the two profile versions and they are all available in multiple lengths (100, 300, 400, 700mm).

Different versions of fastening rods:

- Mechanic rod with a Ø50 or Ø140 connection rose: to fasten profiles.
- Electrical rod with a Ø50 connection rose: a supply rod for remote installation of the power supply in an accessible place.
- Electrical rod with a Ø140 connection rose: a supply rod for remote installation of the power supply through the connection rose.
- Data connection rod with a Ø50 or Ø140 connection rose: for connection to DALI or 1-10V bus signal.
- Aluminium stencil to mark the points for installing the rods available as separate item.



L: 1055 mm / 1555 mm

Perfiles

Perfil electro-magnético tubular para instalación de superficie en techo con fijación mediante varillas rígidas y regulables (25 mm). Varillas rígidas no regulables, pedir bajo demanda.

Perfil y terminal de cierre disponibles en versión compatible con luminarias "on board dimmer" y versión compatible con luminarias controlables como sistema (DALI, 1-10V o FLOS Control® by Casambi).

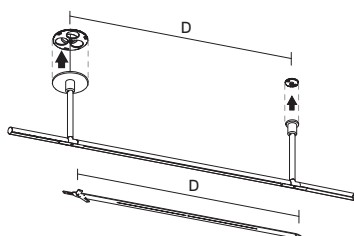
Perfiles tubulares disponibles en dos longitudes: 1055mm (separación entre varillas 1100mm) y 1555mm (separación entre varillas 1600mm).

Los terminales de cierre admiten instalación de luminarias y han de pedirse por separado.

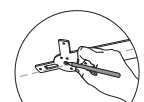
Todas las varillas mecánicas y eléctricas son comunes para las dos versiones y están disponibles en diferentes alturas (100, 300, 400, 700mm).

Distintas versiones de varilla de sujeción:

- Varilla mecánica con rosetón de Ø50 o de Ø140: para fijación de perfiles.
- Varilla eléctrica con rosetón de Ø50: varilla de alimentación para instalación remota de la fuente de alimentación en lugar accesible.
- Varilla eléctrica con rosetón de Ø140: varilla de alimentación para instalación remota de la fuente de alimentación a través del rosetón.
- Varilla de conexión datos con rosetón de Ø50 o de Ø140: para conexión a fuente de señal DALI o 1-10V.
- Plantilla de aluminio, para marcar los puntos de fijación para la instalación de las varillas, disponible como producto separado.



D: 1100 mm / 1600 mm

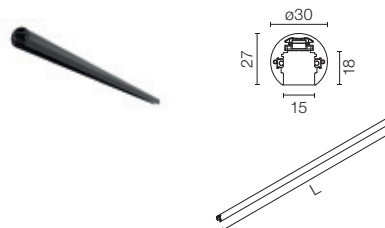


Aluminium Stencil Installation

D: 1100 mm
08.0032.00
D: 1600 mm
08.0033.00

Straight elements.

Elementos lineales.



L: 1055 mm (D: 1100 mm)
L: 1555 mm (D: 1600 mm)

On board dimmer/

FLOS Control® by Casambi compatible

L: 1055 mm
06.5140.40
06.5140.14
L: 1555 mm
06.5141.40
06.5141.14

DALI/1-10V/FLOS Control® by Casambi compatible

L: 1055 mm
06.5100.40
06.5100.14
L: 1555 mm
06.5101.40
06.5101.14

End cap.

Terminal.



On board dimmer/

FLOS Control® by Casambi compatible

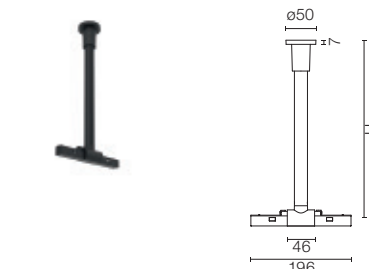
06.5142.40A
06.5142.14A

DALI/1-10V/FLOS Control® by Casambi compatible

06.5135.40A
06.5135.14A

Mechanical rod rose ø50 mm. Adjustable 25 mm, to adapt it to irregular ceilings.

Varilla mecánica rosetón ø50 mm. Ajustable 25 mm, para adaptarse a techos irregulares.



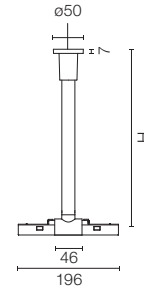
H: 100 mm
06.5110.40
06.5110.14
H: 300 mm
06.5111.40
06.5111.14
H: 400 mm
06.5112.40
06.5112.14
H: 700 mm
06.5113.40
06.5113.14

* For existing installations / Para instalaciones existentes.

INFRA-STRUCTURE – PROFILES

Electrical feed rod rose $\phi 50$ mm.
Adjustable 25 mm, to adapt it to
irregular ceilings.

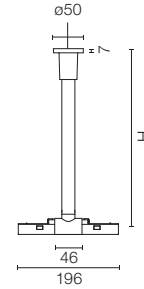
Varilla eléctrica de alimentación
rosotón $\phi 50$ mm.
Ajustable 25 mm, para adaptarse a
techos irregulares.



H: 100 mm	06.5120.40
H: 300 mm	06.5120.14
H: 400 mm	06.5121.40
H: 400 mm	06.5121.14
H: 700 mm	06.5122.40
H: 700 mm	06.5122.14
H: 700 mm	06.5123.40
H: 700 mm	06.5123.14

Data connection rod rose $\phi 50$ mm.
Use one for each line of the
installation, for connection to DALI
or 1-10V signal source.
Adjustable 25 mm, to adapt it to
irregular ceilings.

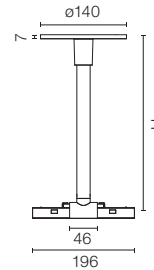
Varilla de conexión datos con
rosotón $\phi 50$ mm.
Usar una para cada línea de la
instalación, para conectar a fuente
de señal DALI o 1-10V.
Ajustable 25 mm, para adaptarse a
techos irregulares.



H: 100 mm	06.5150.40
H: 300 mm	06.5150.14
H: 400 mm	06.5151.40
H: 400 mm	06.5151.14
H: 700 mm	06.5152.40
H: 700 mm	06.5152.14
H: 700 mm	06.5153.40
H: 700 mm	06.5153.14

Mechanical rod rose $\phi 140$ mm.
Adjustable 25 mm, to adapt it to
irregular ceilings.

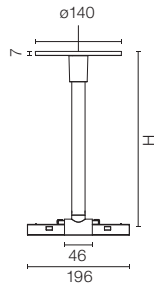
Varilla mecánica rosotón $\phi 140$ mm.
Ajustable 25 mm, para adaptarse a
techos irregulares.



H: 100 mm	06.5115.40
H: 300 mm	06.5115.14
H: 400 mm	06.5116.40
H: 400 mm	06.5116.14
H: 700 mm	06.5117.40
H: 700 mm	06.5117.14
H: 700 mm	06.5118.40
H: 700 mm	06.5118.14

Electrical feed rod rose $\phi 140$ mm.
Adjustable 25 mm, to adapt it to
irregular ceilings.

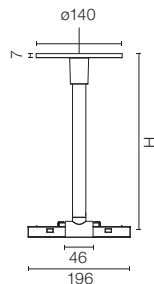
Varilla eléctrica de alimentación
rosotón $\phi 140$ mm.
Ajustable 25 mm, para adaptarse a
techos irregulares.



H: 100 mm	06.5125.40
H: 300 mm	06.5125.14
H: 400 mm	06.5126.40
H: 400 mm	06.5126.14
H: 700 mm	06.5127.40
H: 700 mm	06.5127.14
H: 700 mm	06.5128.40
H: 700 mm	06.5128.14

Data connection rod rose $\phi 140$ mm.
Use one for each line of the
installation, for connection to DALI
or 1-10V signal source.
Adjustable 25 mm, to adapt it to
irregular ceilings.

Varilla de conexión datos con
rosotón $\phi 140$ mm.
Usar una para cada línea de la
instalación, para conectar a fuente
de señal DALI o 1-10V.
Ajustable 25 mm, para adaptarse a
techos irregulares.



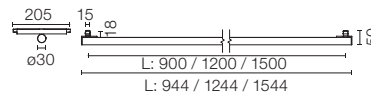
H: 100 mm	06.5155.40
H: 300 mm	06.5155.14
H: 400 mm	06.5156.40
H: 400 mm	06.5156.14
H: 700 mm	06.5157.40
H: 700 mm	06.5157.14
H: 700 mm	06.5158.40
H: 700 mm	06.5158.14

Blind tube.

A mechanical module (without
lighting) to be installed in the system
infrastructure. Fixing components
that rotate 0° - 90° , with a magnetic
connection and a mechanical safety
lock. To be installed transversely
between two profile lines.

Tubo Ciego.

Módulo mecánico (sin iluminación)
para ser instalado en el sistema
Infra-Structure. Elementos de
fijación giratorios 0° - 90° , con
conexión magnética y bloqueo
de seguridad mecánico, para
instalación transversal entre dos
líneas de perfil.

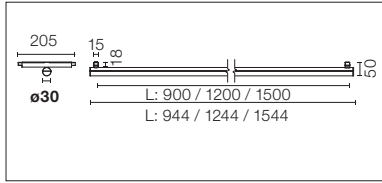


L: 900 mm	03.8120.40
L: 900 mm	03.8120.14
L: 1200 mm	03.8121.40
L: 1200 mm	03.8121.14
L: 1500 mm	03.8122.40
L: 1500 mm	03.8122.14

INFRA-STRUCTURE – LIGHT MODULES

Light Tube ø30 Direct

Light Source: Top LED 25W/m - 1978 lm/m - 2700K/CRI 90 / 25W/m - 2227 lm/m - 3000K/CRI 90



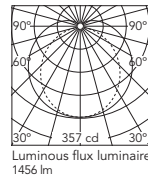
Diffused LED light module to be installed in The Infra-Structure. System turning fastening elements 0°-90° with a magnetic connection and mechanic security lock for a transversally installation between two lines of the profile. The Light Tube are only fed by one of the ends and do not communicate current through the other end. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0°-90°, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil. Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K

L: 900 mm - 23W - 1820 lm
On board dimmer

- 03.8100.40
- 03.8100.14
- *Dali Version
- 03.8100.40.DA
- 03.8100.14.DA
- *1-10V
- 03.8100.40.1V
- 03.8100.14.1V
- **Casambi integrated
- 03.8100.40.CB
- 03.8100.14.CB



Beam Angle: 106°

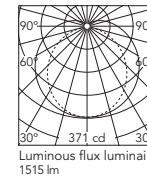
h(m)	E(lx)	D(m)
1	357	7.49
2	89	14.98
3	40	22.47
4	22	29.96
5	14	37.45

Luminous flux luminaire 1456 lm

3000K

L: 900 mm - 23W - 2048 lm
On board dimmer

- 03.8105.40
- 03.8105.14
- *Dali Version
- 03.8105.40.DA
- 03.8105.14.DA
- *1-10V
- 03.8105.40.1V
- 03.8105.14.1V
- **Casambi integrated
- 03.8105.40.CB
- 03.8105.14.CB



Beam Angle: 106°

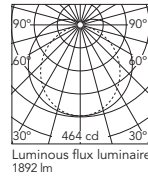
h(m)	E(lx)	D(m)
1	371	7.49
2	93	14.98
3	41	22.47
4	23	29.96
5	15	37.45

Luminous flux luminaire 1515 lm

2700K

L: 1200 mm - 30W - 2366 lm
On board dimmer

- 03.8101.40
- 03.8101.14
- *Dali Version
- 03.8101.40.DA
- 03.8101.14.DA
- *1-10V
- 03.8101.40.1V
- 03.8101.14.1V
- **Casambi integrated
- 03.8101.40.CB
- 03.8101.14.CB



Beam Angle: 106°

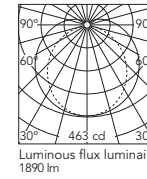
h(m)	E(lx)	D(m)
1	464	7.49
2	116	14.98
3	52	22.47
4	29	29.96
5	19	37.45

Luminous flux luminaire 1892 lm

3000K

L: 1200 mm - 30W - 2663 lm
On board dimmer

- 03.8106.40
- 03.8106.14
- *Dali Version
- 03.8106.40.DA
- 03.8106.14.DA
- *1-10V
- 03.8106.40.1V
- 03.8106.14.1V
- **Casambi integrated
- 03.8106.40.CB
- 03.8106.14.CB



Beam Angle: 106°

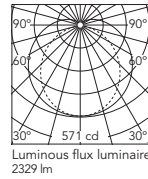
h(m)	E(lx)	D(m)
1	463	7.49
2	116	14.98
3	51	22.47
4	29	29.96
5	19	37.45

Luminous flux luminaire 1890 lm

2700K

L: 1500 mm - 38W - 2912 lm
On board dimmer

- 03.8102.40
- 03.8102.14
- *Dali Version
- 03.8102.40.DA
- 03.8102.14.DA
- *1-10V
- 03.8102.40.1V
- 03.8102.14.1V
- **Casambi integrated
- 03.8102.40.CB
- 03.8102.14.CB



Beam Angle: 106°

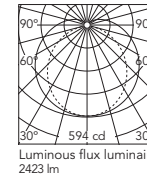
h(m)	E(lx)	D(m)
1	571	7.49
2	143	14.98
3	63	22.47
4	36	29.96
5	23	37.45

Luminous flux luminaire 2329 lm

3000K

L: 1500 mm - 38W - 3278 lm
On board dimmer

- 03.8107.40
- 03.8107.14
- *Dali Version
- 03.8107.40.DA
- 03.8107.14.DA
- *1-10V
- 03.8107.40.1V
- 03.8107.14.1V
- **Casambi integrated
- 03.8107.40.CB
- 03.8107.14.CB



Beam Angle: 106°

h(m)	E(lx)	D(m)
1	594	7.49
2	149	14.98
3	66	22.47
4	37	29.96
5	24	37.45

Luminous flux luminaire 2423 lm

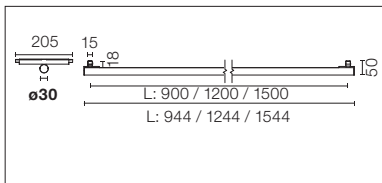
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

INFRA-STRUCTURE – LIGHT MODULES

Light Tube ø30 Indirect

Light Source: Top LED 25W/m - 1978 lm/m - 2700K/CRI 90 / 25W/m - 2227 lm/m - 3000K/CRI 90



Diffused LED light module to be installed in The Infra-Structure. System turning fastening elements 0°-90° with a magnetic connection and mechanic security lock for a transversally installation between two lines of the profile. The Light Tube are only fed by one of the ends and do not communicate current through the other end. For wireless lighting control, choose integrated Casambi versions.

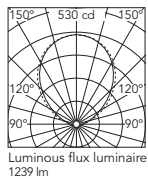
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure. Elementos de fijación giratorios 0°-90°, con conexión magnética y bloqueo de seguridad mecánico, para instalación transversal entre dos líneas de perfil. Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K

L: 900 mm - 23W - 1820 lm

On board dimmer

- 03.8110.40
- 03.8110.14
- *Dali Version
- 03.8110.40.DA
- 03.8110.14.DA
- *1-10V
- 03.8110.40.1V
- 03.8110.14.1V
- **Casambi integrated
- 03.8110.40.CB
- 03.8110.14.CB



Beam Angle: 99°

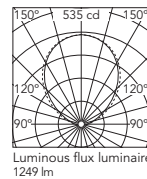
h(m)	E(lx)	D(m)
1	530	2.12
2	133	4.25
3	59	6.37
4	33	8.50
5	21	10.62

3000K

L: 900 mm - 23W - 2048 lm

On board dimmer

- 03.8115.40
- 03.8115.14
- *Dali Version
- 03.8115.40.DA
- 03.8115.14.DA
- *1-10V
- 03.8115.40.1V
- 03.8115.14.1V
- **Casambi integrated
- 03.8115.40.CB
- 03.8115.14.CB



Beam Angle: 99°

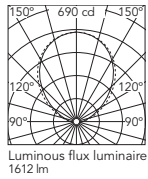
h(m)	E(lx)	D(m)
1	535	2.12
2	134	4.25
3	59	6.37
4	33	8.50
5	21	10.62

2700K

L: 1200 mm - 30W - 2366 lm

On board dimmer

- 03.8111.40
- 03.8111.14
- *Dali Version
- 03.8111.40.DA
- 03.8111.14.DA
- *1-10V
- 03.8111.40.1V
- 03.8111.14.1V
- **Casambi integrated
- 03.8111.40.CB
- 03.8111.14.CB



Beam Angle: 99°

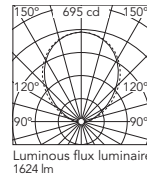
h(m)	E(lx)	D(m)
1	690	2.12
2	173	4.25
3	77	6.37
4	43	8.50
5	28	10.62

3000K

L: 1200 mm - 30W - 2663 lm

On board dimmer

- 03.8116.40
- 03.8116.14
- *Dali Version
- 03.8116.40.DA
- 03.8116.14.DA
- *1-10V
- 03.8116.40.1V
- 03.8116.14.1V
- **Casambi integrated
- 03.8116.40.CB
- 03.8116.14.CB



Beam Angle: 99°

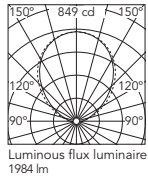
h(m)	E(lx)	D(m)
1	695	2.12
2	174	4.25
3	77	6.37
4	43	8.50
5	28	10.62

2700K

L: 1500 mm - 38W - 2912 lm

On board dimmer

- 03.8112.40
- 03.8112.14
- *Dali Version
- 03.8112.40.DA
- 03.8112.14.DA
- *1-10V
- 03.8112.40.1V
- 03.8112.14.1V
- **Casambi integrated
- 03.8112.40.CB
- 03.8112.14.CB



Beam Angle: 99°

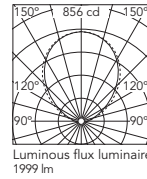
h(m)	E(lx)	D(m)
1	849	2.12
2	212	4.25
3	94	6.37
4	53	8.50
5	34	10.62

3000K

L: 1500 mm - 38W - 3278 lm

On board dimmer

- 03.8117.40
- 03.8117.14
- *Dali Version
- 03.8117.40.DA
- 03.8117.14.DA
- *1-10V
- 03.8117.40.1V
- 03.8117.14.1V
- **Casambi integrated
- 03.8117.40.CB
- 03.8117.14.CB



Beam Angle: 99°

h(m)	E(lx)	D(m)
1	856	2.12
2	214	4.25
3	95	6.37
4	53	8.50
5	34	10.62

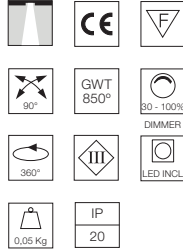
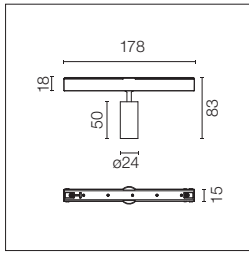
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

INFRA-STRUCTURE – LIGHT MODULES

Spot 50

Light Source: Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece).

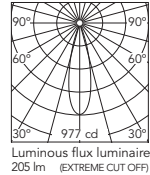
Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8032.40
- 03.8032.05
- 03.8032.14
- *Dali Version
- 03.8032.40.DA
- 03.8032.05.DA
- 03.8032.14.DA
- **1-10V
- 03.8032.40.1V
- 03.8032.05.1V
- 03.8032.14.1V
- **Casambi integrated
- 03.8032.40.CB
- 03.8032.05.CB
- 03.8032.14.CB



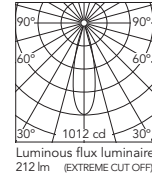
Beam Angle: 26°

h(m)	Ef(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

3000K

On board dimmer

- 03.8033.40
- 03.8033.05
- 03.8033.14
- *Dali Version
- 03.8033.40.DA
- 03.8033.05.DA
- 03.8033.14.DA
- **1-10V
- 03.8033.40.1V
- 03.8033.05.1V
- 03.8033.14.1V
- **Casambi integrated
- 03.8033.40.CB
- 03.8033.05.CB
- 03.8033.14.CB



Beam Angle: 26°

h(m)	Ef(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

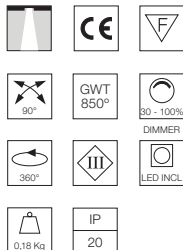
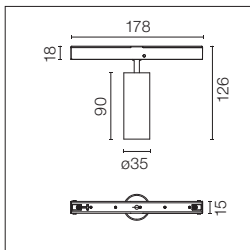
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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INFRA-STRUCTURE – LIGHT MODULES

Spot 90

Light Source: Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece).

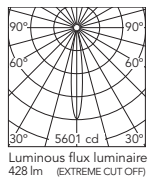
Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8042.40
- 03.8042.05
- 03.8042.14
- *Dali Version
- 03.8042.40.DA
- 03.8042.05.DA
- 03.8042.14.DA
- *1-10V
- 03.8042.40.1V
- 03.8042.05.1V
- 03.8042.14.1V
- **Casambi integrated
- 03.8042.40.CB
- 03.8042.05.CB
- 03.8042.14.CB



Beam Angle: 14°

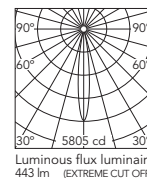
h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

Luminous flux luminaire 428 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8043.40
- 03.8043.05
- 03.8043.14
- *Dali Version
- 03.8043.40.DA
- 03.8043.05.DA
- 03.8043.14.DA
- *1-10V
- 03.8043.40.1V
- 03.8043.05.1V
- 03.8043.14.1V
- **Casambi integrated
- 03.8043.40.CB
- 03.8043.05.CB
- 03.8043.14.CB



Beam Angle: 14°

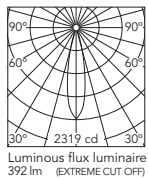
h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

Luminous flux luminaire 443 lm (EXTREME CUT OFF)

2700K

On board dimmer

- 03.8044.40
- 03.8044.05
- 03.8044.14
- *Dali Version
- 03.8044.40.DA
- 03.8044.05.DA
- 03.8044.14.DA
- *1-10V
- 03.8044.40.1V
- 03.8044.05.1V
- 03.8044.14.1V
- **Casambi integrated
- 03.8044.40.CB
- 03.8044.05.CB
- 03.8044.14.CB



Beam Angle: 22°

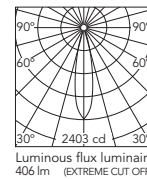
h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

Luminous flux luminaire 392 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8045.40
- 03.8045.05
- 03.8045.14
- *Dali Version
- 03.8045.40.DA
- 03.8045.05.DA
- 03.8045.14.DA
- *1-10V
- 03.8045.40.1V
- 03.8045.05.1V
- 03.8045.14.1V
- **Casambi integrated
- 03.8045.40.CB
- 03.8045.05.CB
- 03.8045.14.CB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

Luminous flux luminaire 406 lm (EXTREME CUT OFF)

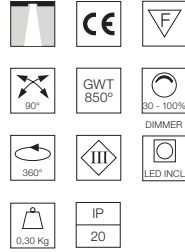
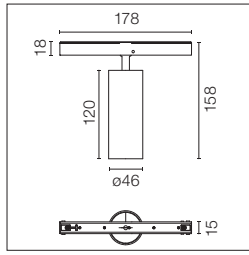
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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INFRA-STRUCTURE – LIGHT MODULES

Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece).

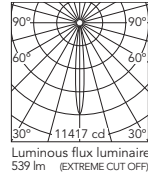
Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8052.40
- 03.8052.05
- 03.8052.14
- *Dali Version
- 03.8052.40.DA
- 03.8052.05.DA
- 03.8052.14.DA
- *1-10V
- 03.8052.40.1V
- 03.8052.05.1V
- 03.8052.14.1V
- **Casambi integrated
- 03.8052.40.CB
- 03.8052.05.CB
- 03.8052.14.CB



Beam Angle: 11°

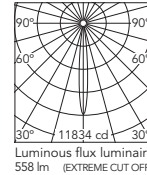
h(m)	Et(lx)	D(m)
1	11417	0.19
2	2854	0.37
3	1269	0.56
4	714	0.75
5	457	0.93

Luminous flux luminaire
539 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8053.40
- 03.8053.05
- 03.8053.14
- *Dali Version
- 03.8053.40.DA
- 03.8053.05.DA
- 03.8053.14.DA
- *1-10V
- 03.8053.40.1V
- 03.8053.05.1V
- 03.8053.14.1V
- **Casambi integrated
- 03.8053.40.CB
- 03.8053.05.CB
- 03.8053.14.CB



Beam Angle: 11°

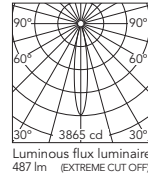
h(m)	Et(lx)	D(m)
1	11834	0.19
2	2958	0.37
3	1315	0.56
4	740	0.75
5	473	0.93

Luminous flux luminaire
558 lm (EXTREME CUT OFF)

2700K

On board dimmer

- 03.8054.40
- 03.8054.05
- 03.8054.14
- *Dali Version
- 03.8054.40.DA
- 03.8054.05.DA
- 03.8054.14.DA
- *1-10V
- 03.8054.40.1V
- 03.8054.05.1V
- 03.8054.14.1V
- **Casambi integrated
- 03.8054.40.CB
- 03.8054.05.CB
- 03.8054.14.CB



Beam Angle: 17°

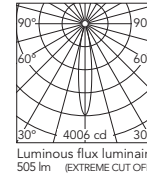
h(m)	Et(lx)	D(m)
1	3865	0.29
2	966	0.59
3	429	0.88
4	242	1.18
5	155	1.47

Luminous flux luminaire
487 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8055.40
- 03.8055.05
- 03.8055.14
- *Dali Version
- 03.8055.40.DA
- 03.8055.05.DA
- 03.8055.14.DA
- *1-10V
- 03.8055.40.1V
- 03.8055.05.1V
- 03.8055.14.1V
- **Casambi integrated
- 03.8055.40.CB
- 03.8055.05.CB
- 03.8055.14.CB



Beam Angle: 17°

h(m)	Et(lx)	D(m)
1	4006	0.29
2	1001	0.59
3	445	0.88
4	250	1.18
5	160	1.47

Luminous flux luminaire
505 lm (EXTREME CUT OFF)

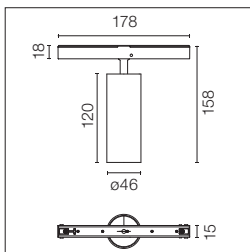
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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INFRA-STRUCTURE – LIGHT MODULES

Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece).

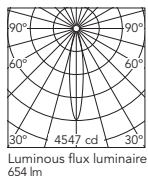
Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8154.40
- 03.8154.05
- 03.8154.14
- *Dali Version
- 03.8154.40.DA
- 03.8154.05.DA
- 03.8154.14.DA
- *1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V
- **Casambi integrated
- 03.8154.40.CB
- 03.8154.05.CB
- 03.8154.14.CB



Beam Angle: 17°

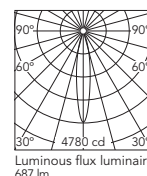
h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

Luminous flux luminaire 654 lm

3000K

On board dimmer

- 03.8155.40
- 03.8155.05
- 03.8155.14
- *Dali Version
- 03.8155.40.DA
- 03.8155.05.DA
- 03.8155.14.DA
- *1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V
- **Casambi integrated
- 03.8155.40.CB
- 03.8155.05.CB
- 03.8155.14.CB



Beam Angle: 17°

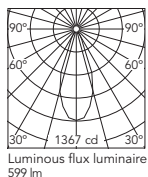
h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

Luminous flux luminaire 687 lm

2700K

On board dimmer

- 03.8156.40
- 03.8156.05
- 03.8156.14
- *Dali Version
- 03.8156.40.DA
- 03.8156.05.DA
- 03.8156.14.DA
- *1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V
- **Casambi integrated
- 03.8156.40.CB
- 03.8156.05.CB
- 03.8156.14.CB



Beam Angle: 40°

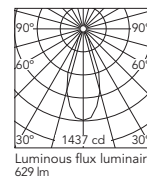
h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

Luminous flux luminaire 599 lm

3000K

On board dimmer

- 03.8157.40
- 03.8157.05
- 03.8157.14
- *Dali Version
- 03.8157.40.DA
- 03.8157.05.DA
- 03.8157.14.DA
- *1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V
- **Casambi integrated
- 03.8157.40.CB
- 03.8157.05.CB
- 03.8157.14.CB



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

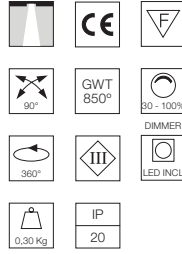
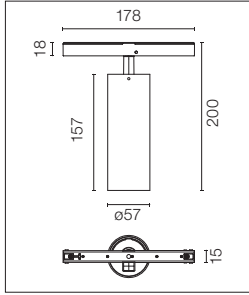
Luminous flux luminaire 629 lm

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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Spot 150

Light Source: LED Array 22,5W - 2000 lm - 2700K/CRI 90 / 22,5W - 2115 lm - 3000K/CRI 90



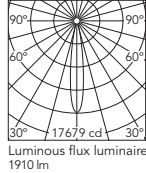
Accent lighting LED module to be installed in The Infra-Structure System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

2700K

On board dimmer

- 03.8072.40
- 03.8072.05
- 03.8072.14
- *Dali Version
- 03.8072.40.DA
- 03.8072.05.DA
- 03.8072.14.DA
- *1-10V
- 03.8072.40.1V
- 03.8072.05.1V
- 03.8072.14.1V
- **Casambi integrated
- 03.8072.40.CB
- 03.8072.05.CB
- 03.8072.14.CB



Beam Angle: 16°

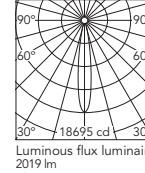
h(m)	E(lx)	D(m)
1	17679	0.28
2	4420	0.56
3	1964	0.84
4	1105	1.12
5	707	1.40

Luminous flux luminaire 1910 lm

3000K

On board dimmer

- 03.8073.40
- 03.8073.05
- 03.8073.14
- *Dali Version
- 03.8073.40.DA
- 03.8073.05.DA
- 03.8073.14.DA
- *1-10V
- 03.8073.40.1V
- 03.8073.05.1V
- 03.8073.14.1V
- **Casambi integrated
- 03.8073.40.CB
- 03.8073.05.CB
- 03.8073.14.CB



Beam Angle: 16°

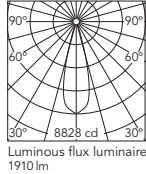
h(m)	E(lx)	D(m)
1	18695	0.28
2	4674	0.56
3	2077	0.84
4	1168	1.12
5	748	1.40

Luminous flux luminaire 2019 lm

2700K

On board dimmer

- 03.8074.40
- 03.8074.05
- 03.8074.14
- *Dali Version
- 03.8074.40.DA
- 03.8074.05.DA
- 03.8074.14.DA
- *1-10V
- 03.8074.40.1V
- 03.8074.05.1V
- 03.8074.14.1V
- **Casambi integrated
- 03.8074.40.CB
- 03.8074.05.CB
- 03.8074.14.CB



Beam Angle: 28°

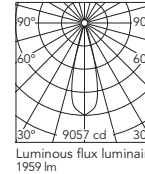
h(m)	E(lx)	D(m)
1	8828	0.50
2	2207	1.00
3	981	1.50
4	552	2.00
5	353	2.50

Luminous flux luminaire 1910 lm

3000K

On board dimmer

- 03.8075.40
- 03.8075.05
- 03.8075.14
- *Dali Version
- 03.8075.40.DA
- 03.8075.05.DA
- 03.8075.14.DA
- *1-10V
- 03.8075.40.1V
- 03.8075.05.1V
- 03.8075.14.1V
- **Casambi integrated
- 03.8075.40.CB
- 03.8075.05.CB
- 03.8075.14.CB



Beam Angle: 28°

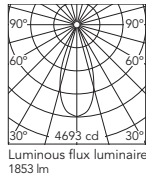
h(m)	E(lx)	D(m)
1	9057	0.50
2	2264	1.00
3	1006	1.50
4	566	2.00
5	362	2.50

Luminous flux luminaire 1959 lm

2700K

On board dimmer

- 03.8076.40
- 03.8076.05
- 03.8076.14
- *Dali Version
- 03.8076.40.DA
- 03.8076.05.DA
- 03.8076.14.DA
- *1-10V
- 03.8076.40.1V
- 03.8076.05.1V
- 03.8076.14.1V
- **Casambi integrated
- 03.8076.40.CB
- 03.8076.05.CB
- 03.8076.14.CB



Beam Angle: 40°

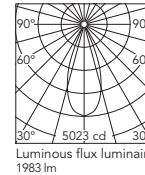
h(m)	E(lx)	D(m)
1	4693	0.73
2	1173	1.46
3	521	2.18
4	293	2.91
5	188	3.64

Luminous flux luminaire 1853 lm

3000K

On board dimmer

- 03.8077.40
- 03.8077.05
- 03.8077.14
- *Dali Version
- 03.8077.40.DA
- 03.8077.05.DA
- 03.8077.14.DA
- *1-10V
- 03.8077.40.1V
- 03.8077.05.1V
- 03.8077.14.1V
- **Casambi integrated
- 03.8077.40.CB
- 03.8077.05.CB
- 03.8077.14.CB



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5023	0.73
2	1256	1.46
3	558	2.18
4	314	2.91
5	201	3.64

Luminous flux luminaire 1983 lm

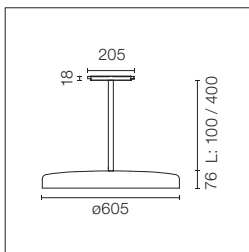
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

INFRA-STRUCTURE – LIGHT MODULES

Suspension Panel 600

Light Source: Top LED 40W - 3195 lm - 2700K/CRI 90 / 40W - 3381 lm - 3000K/ CRI 90



LED INCL
 III
 4.5 Kg
 IP 20
 CE
 F
 GWT 850°
 30-100% DIMMER

Suspended luminaire with rigid rod, to be installed in the Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

Luminaria suspendida con varilla rígida para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

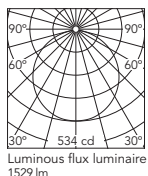
E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

2700K

L: 100 mm

- E I On board dimmer
- 03.8140.40
- E I *Dali Version
- 03.8140.40.DA
- E I *1-10V
- 03.8140.40.1V
- E I **Casambi integrated
- 03.8140.40.CB



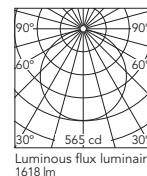
Beam Angle: 113°

h(m)	E(lx)	D(m)
1	534	3.02
2	134	6.04
3	59	9.06
4	33	12.08
5	21	15.10

3000K

L: 100 mm

- E I On board dimmer
- 03.8142.40
- E I *Dali Version
- 03.8142.40.DA
- E I *1-10V
- 03.8142.40.1V
- E I **Casambi integrated
- 03.8142.40.CB



Beam Angle: 113°

h(m)	E(lx)	D(m)
1	565	3.02
2	141	6.04
3	63	9.06
4	35	12.08
5	23	15.10

L: 400 mm

- E I On board dimmer
- 03.8141.40
- E I *Dali Version
- 03.8141.40.DA
- E I *1-10V
- 03.8141.40.1V
- E I **Casambi integrated
- 03.8141.40.CB

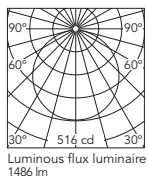
L: 400 mm

- E I On board dimmer
- 03.8143.40
- E I *Dali Version
- 03.8143.40.DA
- E I *1-10V
- 03.8143.40.1V
- E I **Casambi integrated
- 03.8143.40.CB

2700K

L: 100 mm

- E I On board dimmer
- 03.8140.14
- E I *Dali Version
- 03.8140.14.DA
- E I *1-10V
- 03.8140.14.1V
- E I **Casambi integrated
- 03.8140.14.CB



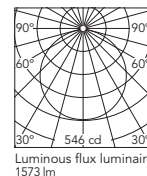
Beam Angle: 114°

h(m)	E(lx)	D(m)
1	516	3.06
2	129	6.11
3	57	9.17
4	32	12.22
5	21	15.28

3000K

L: 100 mm

- E I On board dimmer
- 03.8142.14
- E I *Dali Version
- 03.8142.14.DA
- E I *1-10V
- 03.8142.14.1V
- E I **Casambi integrated
- 03.8142.14.CB



Beam Angle: 114°

h(m)	E(lx)	D(m)
1	546	3.06
2	137	6.11
3	61	9.17
4	34	12.22
5	22	15.28

L: 400 mm

- E I On board dimmer
- 03.8141.14
- E I *Dali Version
- 03.8141.14.DA
- E I *1-10V
- 03.8141.14.1V
- E I **Casambi integrated
- 03.8141.14.CB

L: 400 mm

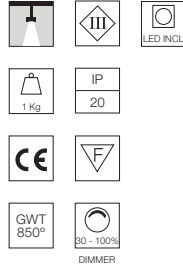
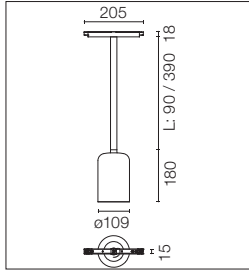
- E I On board dimmer
- 03.8143.14
- E I *Dali Version
- 03.8143.14.DA
- E I *1-10V
- 03.8143.14.1V
- E I **Casambi integrated
- 03.8143.14.CB

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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Suspension Glass Downlight 110

Light Source: LED Array 13,5W - 1296 lm - 2700K/CRI 90 / 13,5W - 1371 lm - 3000K/CRI 90



Suspended luminaire with rigid rod and blown glass in several finishes to be installed in the Infra-Structure system.
For wireless lighting control, choose integrated Casambi versions.

Luminaria suspendida con varilla rígida y cristal soplado en distintos acabados para ser instalada en el sistema Infra-Structure.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K

Black Rod

L: 100 mm

On board dimmer

- 03.8130.00
- 03.8130.FU
- 03.8130.RC

*Dali Version

- 03.8130.00.DA
- 03.8130.FU.DA
- 03.8130.RC.DA

*1-10V

- 03.8130.00.1V
- 03.8130.FU.1V
- 03.8130.RC.1V

**Casambi integrated

- 03.8130.00.CB
- 03.8130.FU.CB
- 03.8130.RC.CB

Black Rod

L: 400 mm

On board dimmer

- 03.8131.00
- 03.8131.FU
- 03.8131.RC

*Dali Version

- 03.8131.00.DA
- 03.8131.FU.DA
- 03.8131.RC.DA

*1-10V

- 03.8131.00.1V
- 03.8131.FU.1V
- 03.8131.RC.1V

**Casambi integrated

- 03.8131.00.CB
- 03.8131.FU.CB
- 03.8131.RC.CB

White Rod

L: 100 mm

On board dimmer

- 03.8135.00
- 03.8135.FU
- 03.8135.RC

*Dali Version

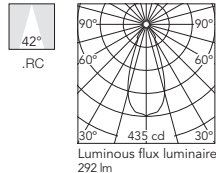
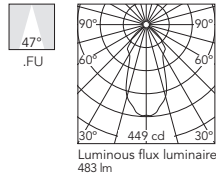
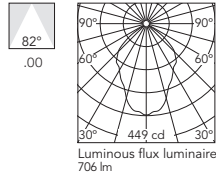
- 03.8135.00.DA
- 03.8135.FU.DA
- 03.8135.RC.DA

*1-10V

- 03.8135.00.1V
- 03.8135.FU.1V
- 03.8135.RC.1V

**Casambi integrated

- 03.8135.00.CB
- 03.8135.FU.CB
- 03.8135.RC.CB



3000K

Black Rod

L: 100 mm

On board dimmer

- 03.8132.00
- 03.8132.FU
- 03.8132.RC

*Dali Version

- 03.8132.00.DA
- 03.8132.FU.DA
- 03.8132.RC.DA

*1-10V

- 03.8132.00.1V
- 03.8132.FU.1V
- 03.8132.RC.1V

**Casambi integrated

- 03.8132.00.CB
- 03.8132.FU.CB
- 03.8132.RC.CB

Black Rod

L: 400 mm

On board dimmer

- 03.8133.00
- 03.8133.FU
- 03.8133.RC

*Dali Version

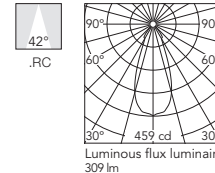
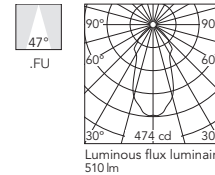
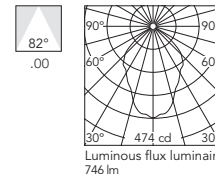
- 03.8133.00.DA
- 03.8133.FU.DA
- 03.8133.RC.DA

*1-10V

- 03.8133.00.1V
- 03.8133.FU.1V
- 03.8133.RC.1V

**Casambi integrated

- 03.8133.00.CB
- 03.8133.FU.CB
- 03.8133.RC.CB



00 Transparent Glass
00 Cristal Transparente

FU Smoked Glass
FU Cristal Fumé

RC Red Glass
RC Cristal Rojo

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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- White Rod
L: 400 mm
On board dimmer
- 03.8136.00
 - 03.8136.FU
 - 03.8136.RC
 - *Dali Version
 - 03.8136.00.DA
 - 03.8136.FU.DA
 - 03.8136.RC.DA
 - *1-10V
 - 03.8136.00.1V
 - 03.8136.FU.1V
 - 03.8136.RC.1V
 - **Casambi integrated
 - 03.8136.00.CB
 - 03.8136.FU.CB
 - 03.8136.RC.CB


- White Rod
L: 400 mm
On board dimmer
- 03.8138.00
 - 03.8138.FU
 - 03.8138.RC
 - *Dali Version
 - 03.8138.00.DA
 - 03.8138.FU.DA
 - 03.8138.RC.DA
 - *1-10V
 - 03.8138.00.1V
 - 03.8138.FU.1V
 - 03.8138.RC.1V
 - **Casambi integrated
 - 03.8138.00.CB
 - 03.8138.FU.CB
 - 03.8138.RC.CB

Accessories / Accesorios




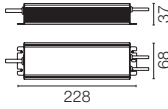

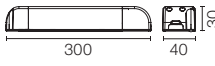


Spot 150

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00

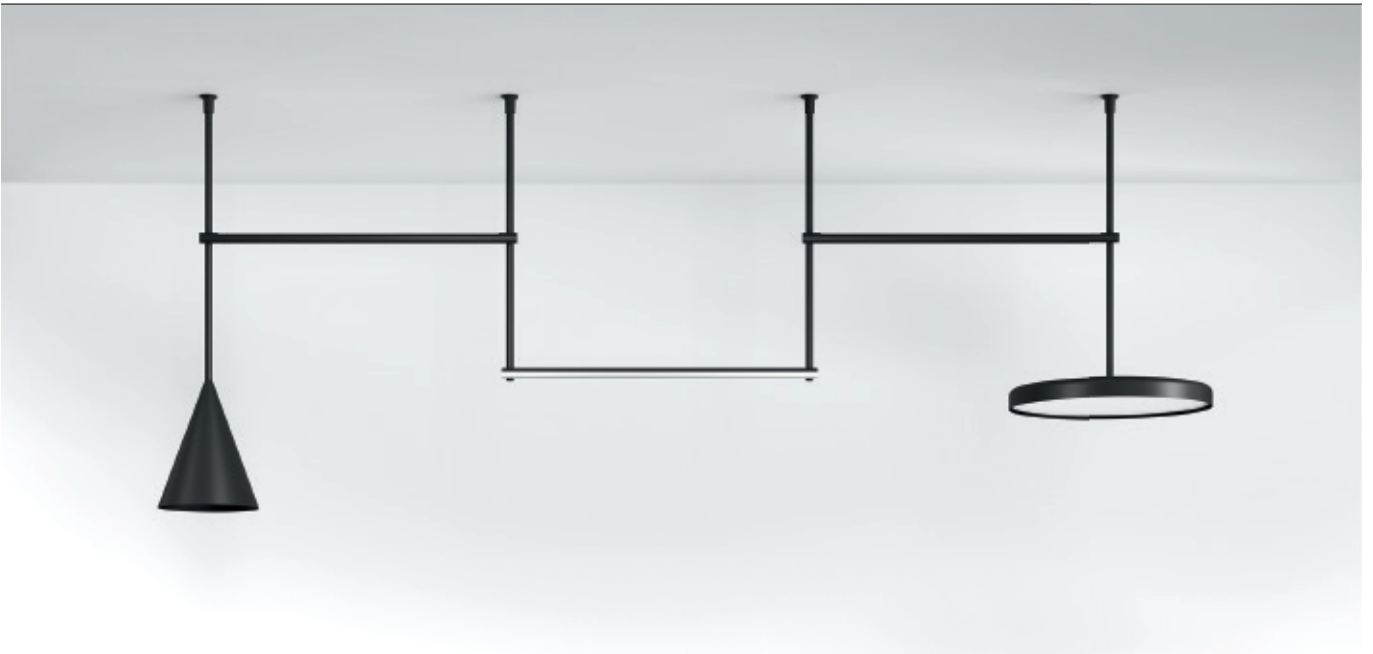
Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.			***60.8919
LED power supply source for remote installation, 48V/185W. 100/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/185W. 100/240 Vac.			***60.9024
LED power supply source for remote installation, 48V/120W. 220/240 Vac.	Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.			***60.9170
Dimmable control box 1-10V, 48V. For remote installation. Necessary to transform passive 1-10V control systems into active ones.	Caja de control dimable 1-10V, 48V. Para instalación remota. Necesario para transformar sistemas de control 1-10V pasivos en activos.			08.0613.14A

*** For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

INFRA-STRUCTURE Episode 2

DESIGNED BY VINCENT VAN DUYSSEN



Profiles 40 White / 40 Blanco 14 Black / 14 Negro

LIGHT MODULES

LIGHT TUBE DIRECT-INDIRECT



LIGHT SOURCE
TOP LED
24W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

SUSPENSION CONE 300



LIGHT SOURCE
TOP LED
30W
2800 lm
2700K/CRI 90
3000 lm
3000K/CRI 90

SUSPENSION CONE 400



LIGHT SOURCE
TOP LED
41W
3750 lm
2700K/CRI 90
4000 lm
3000K/CRI 90

SUSPENSION PANEL 600



LIGHT SOURCE
TOP LED
40W
3195 lm
2700K/CRI 90
3381 lm
3000K/CRI 90

LIGHT TUBE COVERED



LIGHT SOURCE
TOP LED
24W/m
1978 lm/m
2700K/CRI 90
2227 lm/m
3000K/CRI 90

Description

The reinterpretation of an icon: the unique design of Infra-Structure evolves thanks to a new, extremely simplified modular concept. The subtle but visually stunning elements can be combined to characterize any architectural space with a strong stage presence. Subtle, incredibly versatile tubular structure. Thanks to a special connection system, it is possible to combine vertical and horizontal elements to create three-dimensional combinations in infinite variations using linear and geometric modules. The mechanical connection between the individual modules that make up the structure is made through a screw system that guarantees a fast and safe installation. Each module is locked in place by integrating two small, almost invisible grub screws once the installation is complete. The electrical connections of the lighting modules are extremely simple to make. Each lighting element is completed by a long 4 m electrical cable equipped with an output micro connector. The cable runs through all the different sections of the vertical structure and is then connected to the grid in the ceiling. All structural components are made of extruded aluminium tubular profiles painted black or white with 48V feeding. The system can be controlled as a group (DALI, 1-10V, FLOS Control®) through remote power supply units with broadcast control or individual control by means of one single driver for each lighting module. The family is made of lighting modules for general lighting featuring different optics and linear lighting modules providing diffused direct or indirect emission.

Configuration

The extreme simplicity of the elements and the speed with which they can be combined allows to free up the creativity of the project and to achieve innumerable combinations. As in a three-dimensional network, simply define the vertical axes of the structure and then connect them visually (and electrically) with lighting modules that can freely rotate 360°. An incredible installation flexibility is guaranteed.

Control

- Lighting modules are compatible with DALI, 1-10V and Casambi.
- For 1-10V management, the control system must be active, and the data bus must be connected directly to the controller. In case of individual control one dimmable driver for each lighting unit or group is required.
- To manage the Casambi system a Casambi interface module must be ordered and connected to a DALI or 1-10V driver. To manage the system it is necessary to download the FLOS Control® powered by Casambi app (available on Apple Store and Google Play).

Optic system

- Light Tube Direct / Light Tube Indirect / Light Tube Covered / Suspension Panel 600: diffused lighting direct.
- Light Tube Indirect: diffused lighting indirect.
- Suspension Cone 300 / Suspension Cone 400: direct Flood lighting.

Power Supply

Remote 48V power supply not included.

Additional Information

IP20 protection grade.
Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

La reinterpretación de un icono: el diseño único de Infra-Structure evoluciona gracias a un nuevo concepto modular extremadamente simplificado. Los elementos minimalistas, pero visualmente impactantes, se pueden combinar para caracterizar cualquier espacio arquitectónico con una fuerte presencia escénica. Estructura tubular sencilla, increíblemente versátil. Gracias a un sistema de conexión especial, es posible combinar elementos verticales y horizontales para crear combinaciones tridimensionales con variaciones infinitas utilizando módulos lineales y geométricos. La conexión mecánica entre los módulos individuales que conforman la estructura se realiza mediante un sistema de tornillo que garantiza una instalación rápida y segura. Cada módulo se bloquea en su sitio con la ayuda de dos tornillos prisioneros pequeños, casi invisibles una vez que se completa la instalación. Las conexiones eléctricas de los módulos de iluminación son extremadamente sencillas de realizar. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un micro conector de salida. El cable pasa por todas las diferentes secciones de la estructura vertical para luego conectarse a la red en el techo. Las piezas estructurales se fabrican con perfiles tubular de aluminio extruido en color negro o blanco y alimentadas a 48V. Controlables como sistema (DALI, 1-10V, FLOS Control®) mediante fuentes remotas con control broadcast (todo junto) o independiente con un driver por cada módulo de luz. La familia de luminarias está compuesta por módulos de iluminación general con distintas ópticas y sistemas de iluminación ambiental de luz directa e indirecta.

Configuración

La extrema sencillez de los elementos y la velocidad con la que se pueden combinar permite liberar la creatividad del proyecto consiguiendo innumerables combinaciones. Como en una red tridimensional, será suficiente definir cuáles son los ejes verticales de la estructura y luego unirlos visualmente (y eléctricamente) con módulos de luz que puedan girar libremente 360°, garantizando una increíble flexibilidad de instalación.

Control

- Las luminarias son compatibles con los sistemas DALI, 1-10V y Casambi.
- Para gestión 1-10V es necesario que el sistema de control sea activo y conectar el bus de datos de control directamente al controlador. Para control individual se necesita un controlador regulable para cada luminaria o grupo de luminarias.
- Para gestionar el sistema Casambi es necesario pedir una pasarela Casambi conectada a un driver DALI o 1/10V. Necesaria aplicación FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico

- Light Tube Direct / Light Tube Indirect / Light Tube Covered / Suspension Panel 600: iluminación general directa.
- Light Tube Indirect: iluminación general indirecta.
- Suspension Cone 300 / Suspension Cone 400: iluminación general directa Flood.

Unidades de Alimentación

Fuente de alimentación remota de 48V no incluida.

Información Adicional

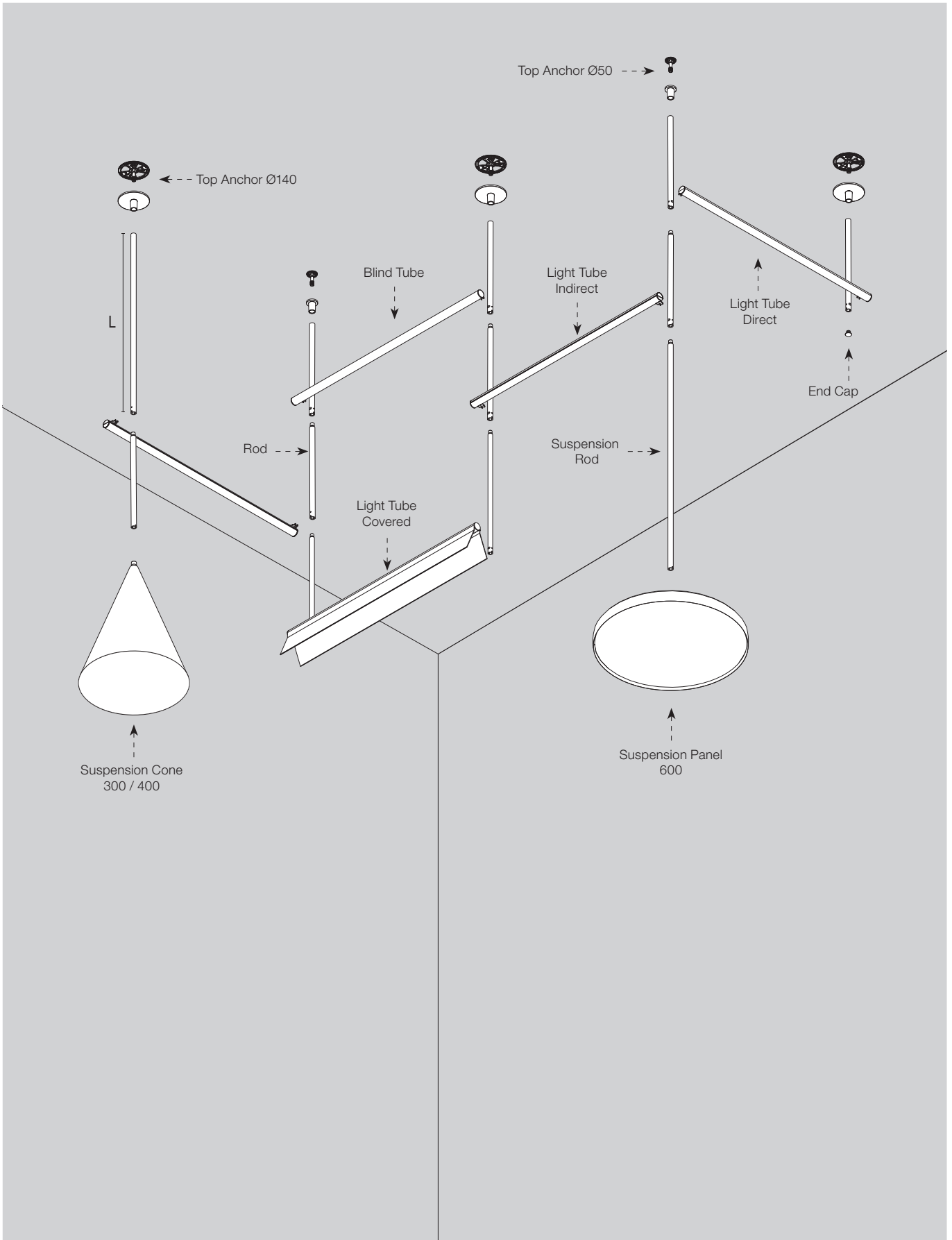
Índice de protección IP20.
Instalable en superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

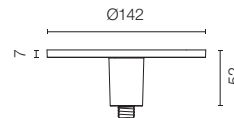


SURFACE INSTALLATION



Top Anchor Ø140.
For installation where the power supply is to be hidden within a drop ceiling and there is no other access. The 140-mm cover conceals the hole needed to install the device.

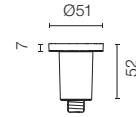
Anclaje superior Ø140.
Para instalaciones donde el equipo de alimentación deba ocultarse en el falso techo y no exista acceso al mismo por otro punto. El embellecedor de 140mm oculta el agujero necesario para pasar el equipo.



☐ 06.5421.40
■ 06.5421.14

Top Anchor Ø50.
For installations where the power supply equipment must be installed remotely in an installation box or there is access to it from another point. The 50-mm cover conceals the cable and prevents access to the power supply.

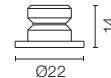
Anclaje superior Ø50.
Para instalaciones donde el equipo de alimentación deba instalarse remoto en caja de instalación o exista acceso al mismo por otro punto. El embellecedor de 50mm oculta el cable y no permite el acceso al equipo de alimentación.



☐ 06.5420.40
■ 06.5420.14

End cap.

Terminal.



☐ 06.5430.40
■ 06.5430.14

Rod available in different lengths for connection of direct and indirect linear lighting modules. Various elements may be connected simultaneously by means of attachment elements along with a mechanically integrated safety device.

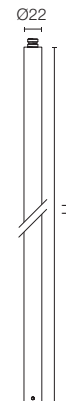
Varilla de diferentes medidas para conexión de los módulos de luz lineales directos e indirectos. Es posible conectar varios elementos a la vez por medio de elementos de fijación y bloqueo de seguridad mecánico integrados.



H: 100 mm
☐ 06.5400.40
■ 06.5400.14
H: 200 mm
☐ 06.5401.40
■ 06.5401.14
H: 400 mm
☐ 06.5402.40
■ 06.5402.14
H: 600 mm
☐ 06.5403.40
■ 06.5403.14
H: 800 mm
☐ 06.5404.40
■ 06.5404.14
H: 1000 mm
☐ 06.5405.40
■ 06.5405.14

Rod available in different lengths for connection of "Suspension Panel" and "Suspension Cone" modules and for extensions without connection to a light fixture.

Varilla de diferentes medidas para conexión de los módulos de "Suspension Panel" y "Suspension Cone" y para extensiones sin conexión a luminaria.



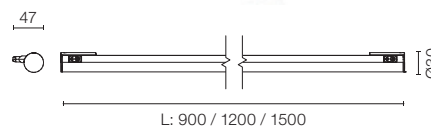
H: 100 mm
☐ 06.5410.40
■ 06.5410.14
H: 200 mm
☐ 06.5411.40
■ 06.5411.14
H: 400 mm
☐ 06.5412.40
■ 06.5412.14
H: 600 mm
☐ 06.5413.40
■ 06.5413.14
H: 800 mm
☐ 06.5414.40
■ 06.5414.14
H: 1000 mm
☐ 06.5415.40
■ 06.5415.14

Blind tube.

Tubo Ciego.

A mechanical module (without lighting) to be installed in the system infrastructure Episode 2.

Módulo mecánico (sin iluminación) para ser instalado en el sistema Infra-Structure Episode 2.



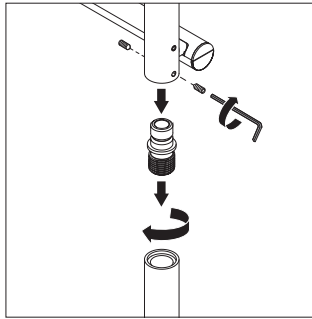
L: 900 mm
☐ 03.8430.40
■ 03.8430.14
L: 1200 mm
☐ 03.8431.40
■ 03.8431.14
L: 1500 mm
☐ 03.8432.40
■ 03.8432.14

• **Is Infra-Structure Episode 2 a system on tracks like Infra-Structure?**

No. Infra-Structure Episode 2 is a modular system, but it doesn't have tracks.

• **How are the vertical rods connected together?**

The individual modules composing the vertical structure are connected using a system of screws that guarantee quick, safe installation. Each module is fixed in place with the help of small set screws that is practically invisible once installation is complete.



• **¿Es Infra-Structure Episode 2 un sistema de carril como Infra-Structure?**

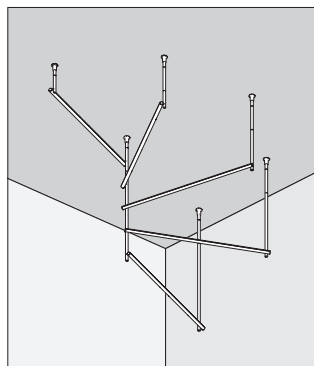
No, Infra-structure Episode 2, es un sistema modular pero no tiene carriles.

• **¿Cómo se conectan entre sí las varillas verticales?**

La conexión mecánica entre los módulos individuales que conforman la estructura vertical se realiza mediante un sistema de tornillo que garantiza una instalación rápida y segura. Cada módulo se bloquea en su sitio con la ayuda de tornillos prisioneros pequeños, prácticamente invisible una vez que se completa la instalación.

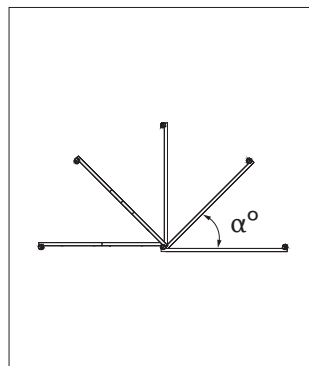
• **Is it possible to obtain non-linear compositions?**

Yes. Maximum flexibility is provided for with the mechanical connection between the vertical rods, which can be adjusted to the desired angle.



• **¿Es posible conseguir composiciones no lineales?**

Sí es posible, la flexibilidad es máxima debido a que la conexión mecánica entre las varillas verticales puede ser ajustada al ángulo deseado.

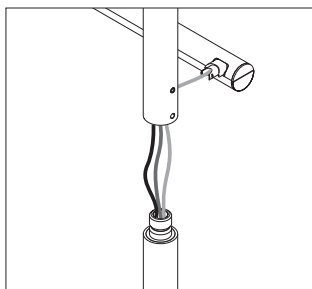


• **How many luminaires can I power using the same vertical rod?**

Power cables for three luminaires may be fed through each vertical rod.

• **¿Cuántas luminarias puedo alimentar a través de una misma varilla vertical?**

Es posible pasar cables de alimentación para tres luminarias por cada varilla vertical.



• **Can the light from the luminaires be dimmed?**

Yes. With the control module listed in the equipment section, the amount of light can be regulated via DALI, 1-10V and Casambi.

• **¿Se puede atenuar la luz de las luminarias??**

Sí, usando un módulo de control que proponemos en la sección de equipos se pueden regular vía DALI, 1-10V y Casambi.

• **What is the maximum suspension length?**

The cables supplied with the lamp have a maximum length of 4 metres.

• **¿Cuál es la máxima longitud de suspensión?**

Los cables proporcionados en la luminaria tienen una longitud máxima de 4 metros.

• **Can it be installed with the power supply hidden in the drop ceiling?**

The system can only be installed with a hidden power supply. It is equipped with a 140-mm rose for the power to pass through and to hide the hole.

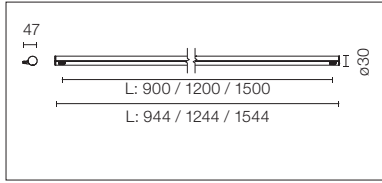
• **¿Se puede instalar con la fuente oculta en el falso techo?**

El sistema solo se puede instalar con fuente oculta y dispone de canoplas (rosetón) de 140mm para poder pasar la fuente de alimentación y poder ocultar el hueco.

INFRA-STRUCTURE Episode 2 – LIGHT MODULES

Light Tube Direct

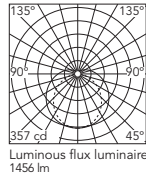
Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90



Diffused LED light module to be installed in the Infra-Structure Episode 2.
 Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile.
 The Light Tubes are only fed by one of the ends and do not communicate current through the other end.
 Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema Infra-Structure Episode 2.
 Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas.
 Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.
 Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
 L: 900 mm - 22W - 1820 lm
 03.8400.40
 03.8400.14

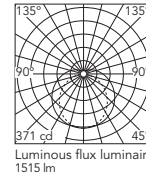


Beam Angle: 150°

h(m)	E(lx)	D(m)
1	357	7.49
2	89	14.98
3	40	22.47
4	22	29.96
5	14	37.45

Luminous flux luminaire
1456 lm

3000K
 L: 900 mm - 22W - 2048 lm
 03.8403.40
 03.8403.14

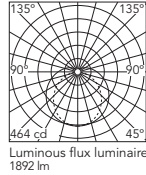


Beam Angle: 150°

h(m)	E(lx)	D(m)
1	371	7.49
2	93	14.98
3	41	22.47
4	23	29.96
5	15	37.45

Luminous flux luminaire
1515 lm

2700K
 L: 1200 mm - 29W - 2366 lm
 03.8401.40
 03.8401.14

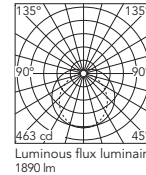


Beam Angle: 150°

h(m)	E(lx)	D(m)
1	464	7.49
2	116	14.98
3	52	22.47
4	29	29.96
5	19	37.45

Luminous flux luminaire
1892 lm

3000K
 L: 1200 mm - 29W - 2663 lm
 03.8404.40
 03.8404.14

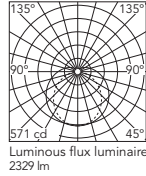


Beam Angle: 150°

h(m)	E(lx)	D(m)
1	463	7.49
2	116	14.98
3	51	22.47
4	29	29.96
5	19	37.45

Luminous flux luminaire
1890 lm

2700K
 L: 1500 mm - 35,5W - 2912 lm
 03.8402.40
 03.8402.14

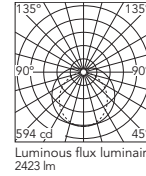


Beam Angle: 150°

h(m)	E(lx)	D(m)
1	571	7.49
2	143	14.98
3	63	22.47
4	36	29.96
5	23	37.45

Luminous flux luminaire
2329 lm

3000K
 L: 1500 mm - 35,5W - 3278 lm
 03.8405.40
 03.8405.14



Beam Angle: 150°

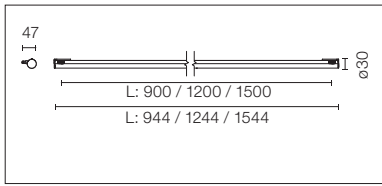
h(m)	E(lx)	D(m)
1	594	7.49
2	149	14.98
3	66	22.47
4	37	29.96
5	24	37.45

Luminous flux luminaire
2423 lm

INFRA-STRUCTURE Episode 2 – LIGHT MODULES

Light Tube Indirect

Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90



Diffused indirect LED light module to be installed in the Infra-Structure Episode 2.

Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile.

The Light Tubes are only fed by one of the ends and do not communicate current through the other end.

Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

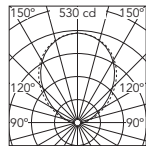
Módulo de iluminación LED de luz difusa indirecta para ser instalado en el sistema Infra-Structure Episode 2.

Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas.

Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo.

Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
L: 900 mm - 20W - 1820 lm
03.8410.40
03.8410.14

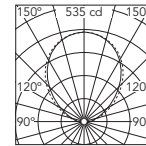


Beam Angle: 93°

h(m)	E(lx)	D(m)
1	530	2.12
2	133	4.25
3	59	6.37
4	33	8.50
5	21	10.62

Luminous flux luminaire 1239 lm

3000K
L: 900 mm - 20W - 2048 lm
03.8413.40
03.8413.14

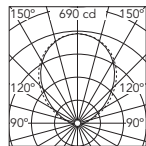


Beam Angle: 93°

h(m)	E(lx)	D(m)
1	535	2.12
2	134	4.25
3	59	6.37
4	33	8.50
5	21	10.62

Luminous flux luminaire 1249 lm

2700K
L: 1200 mm - 25,5W - 2366 lm
03.8411.40
03.8411.14

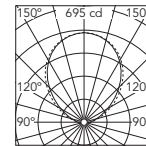


Beam Angle: 93°

h(m)	E(lx)	D(m)
1	690	2.12
2	173	4.25
3	77	6.37
4	43	8.50
5	28	10.62

Luminous flux luminaire 1612 lm

3000K
L: 1200 mm - 25,5W - 2663 lm
03.8414.40
03.8414.14

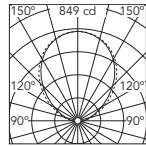


Beam Angle: 93°

h(m)	E(lx)	D(m)
1	695	2.12
2	174	4.25
3	77	6.37
4	43	8.50
5	28	10.62

Luminous flux luminaire 1624 lm

2700K
L: 1500 mm - 32,5W - 2912 lm
03.8412.40
03.8412.14

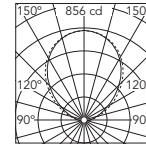


Beam Angle: 93°

h(m)	E(lx)	D(m)
1	849	2.12
2	212	4.25
3	94	6.37
4	53	8.50
5	34	10.62

Luminous flux luminaire 1984 lm

3000K
L: 1500 mm - 32,5W - 3278 lm
03.8415.40
03.8415.14



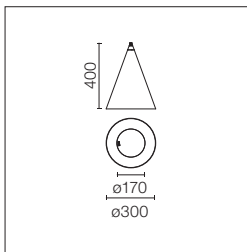
Beam Angle: 93°

h(m)	E(lx)	D(m)
1	856	2.12
2	214	4.25
3	95	6.37
4	53	8.50
5	34	10.62

Luminous flux luminaire 1999 lm

Suspension Cone 300

Light Source: Top LED 30W - 2800 lm - 2700K/CRI 90 / 30W - 3000 lm - 3000K/CRI 90



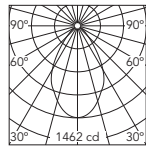
Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system.

Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2.

Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
03.8440.40
03.8440.14



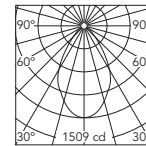
Beam Angle: 65°

h(m)	E(lx)	D(m)
1	1462	1.27
2	365	2.53
3	162	3.80
4	91	5.06
5	58	6.33

Luminous flux luminaire 1824 lm

@White (40)

3000K
03.8442.40
03.8442.14



Beam Angle: 65°

h(m)	E(lx)	D(m)
1	1509	1.27
2	377	2.53
3	168	3.80
4	94	5.06
5	60	6.33

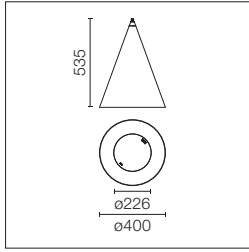
Luminous flux luminaire 1883 lm

@White (40)

INFRA-STRUCTURE Episode 2 – LIGHT MODULES

Suspension Cone 400

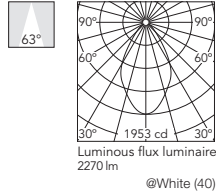
Light Source: Top LED 41W - 3750 lm - 2700K/CRI 90 / 41W - 4000 lm - 3000K/CRI 90



Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system. Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

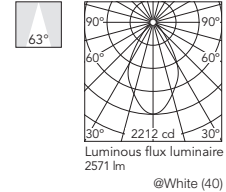
Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
 03.8441.40
 03.8441.14



h(m)	E(lx)	D(m)
1	1953	1.22
2	488	2.43
3	217	3.65
4	122	4.86
5	78	6.08

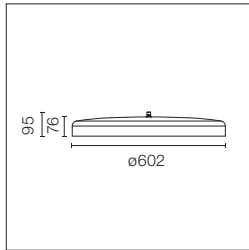
3000K
 03.8443.40
 03.8443.14



h(m)	E(lx)	D(m)
1	2212	1.22
2	553	2.43
3	246	3.65
4	138	4.86
5	88	6.08

Suspension Panel 600

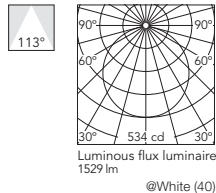
Light Source: Power LED 40W - 3195 lm - 2700K/CRI 90 / 40W - 3381 lm - 3000K/CRI 90



Suspended luminaire with locking system integrated, to be installed in the Infra-Structure Episode 2 system. Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

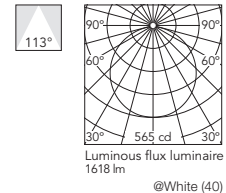
Luminaria suspendida con anclaje integrado para ser instalada en el sistema Infra-Structure Episode 2. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K
 03.8450.40
 03.8450.14



h(m)	E(lx)	D(m)
1	534	3.02
2	134	6.04
3	59	9.06
4	33	12.08
5	21	15.10

3000K
 03.8451.40
 03.8451.14

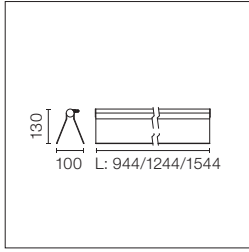


h(m)	E(lx)	D(m)
1	565	3.02
2	141	6.04
3	63	9.06
4	35	12.08
5	23	15.10

INFRA-STRUCTURE Episode 2 – LIGHT MODULES

Light Tube Covered

Light Source: Top LED 24W/m - 1978 lm/m - 2700K/CRI 90 / 24W/m - 2227 lm/m - 3000K/CRI 90



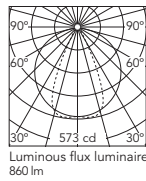
Diffused direct shielded LED light module to be installed in the Infra-Structure Episode 2. Safety fixing and locking mechanical elements integrated for a transversal installation between two rods of the profile. The Light Tubes are only fed by one of the ends and do not communicate current through the other end. Each lighting element is completed by a long 4m electrical cable equipped with an output microconnector.

Módulo de iluminación LED de luz difusa directa apantallada para ser instalado en el sistema Infra-Structure Episode 2. Elementos de fijación y bloqueo de seguridad mecánico, para instalación transversal entre dos varillas. Los Light Tubes solo se alimentan por uno de los extremos y no comunican corriente a través del otro extremo. Cada elemento luminoso se completa con un cable eléctrico de 4 m de largo equipado con un microconector de salida.

2700K

L: 900 mm - 22W - 1820 lm

- 03.8420.40
- 03.8420.14



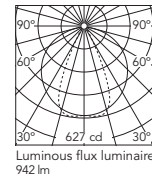
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	573	0.94
2	143	1.87
3	64	2.81
4	36	3.74
5	23	4.68

3000K

L: 900 mm - 22W - 2048 lm

- 03.8423.40
- 03.8423.14



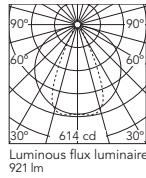
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	627	0.94
2	157	1.87
3	70	2.81
4	39	3.74
5	25	4.68

2700K

L: 1200 mm - 29W - 2366 lm

- 03.8421.40
- 03.8421.14



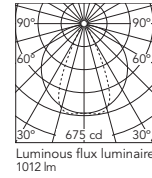
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	614	0.94
2	153	1.87
3	68	2.81
4	38	3.74
5	25	4.68

3000K

L: 1200 mm - 29W - 2663 lm

- 03.8424.40
- 03.8424.14



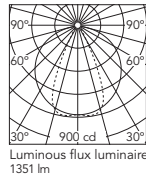
Beam Angle: 50°

h(m)	E(lx)	D(m)
1	675	0.94
2	169	1.87
3	75	2.81
4	42	3.74
5	27	4.68

2700K

L: 1500 mm - 35,5W - 2912 lm

- 03.8422.40
- 03.8422.14



Beam Angle: 50°

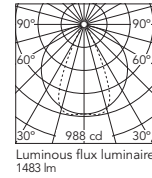
h(m)	E(lx)	D(m)
1	900	0.94
2	225	1.87
3	100	2.81
4	56	3.74
5	36	4.68

@White (40)

3000K

L: 1500 mm - 35,5W - 3278 lm

- 03.8425.40
- 03.8425.14



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	988	0.94
2	247	1.87
3	110	2.81
4	62	3.74
5	40	4.68

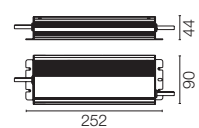
@White (40)

INFRA-STRUCTURE Episode 2

Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.

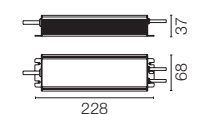
Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.



*60.8919

LED power supply source for remote installation, 48V/185W. 100/240 Vac.

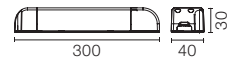
Fuente de alimentación LED para instalación remota, 48V/185W. 100/240 Vac.



*60.9024

LED power supply source for remote installation, 48V/120W. 220/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/120W. 220/240 Vac.

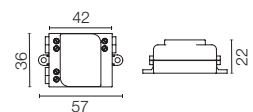


*60.9170

Casambi Broadcast

Casambi controller 220-240V. Driver and external interface required have to be ordered separately. Dimming range 0-100%.

Controlador Casambi 220-240V. Requiere fuente de alimentación y controlador, pedir por separado. Rango de regulación 0-100%.

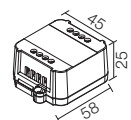


60.9392

0-10V / 1-10V / DALI / PUSH Broadcast

0-10V, 1-10V, DALI and PUSH interface. Requires a 48Vdc power supply unit (to be ordered separately). Max 312W. Dimming range 0-100%.

Controlador 0-10V, 1-10V, DALI y PUSH. Requiere fuente de alimentación 48Vdc (pedir por separado). Max 312W. Rango de regulación 0-100%.

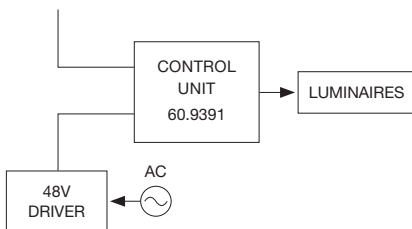


**60.9391

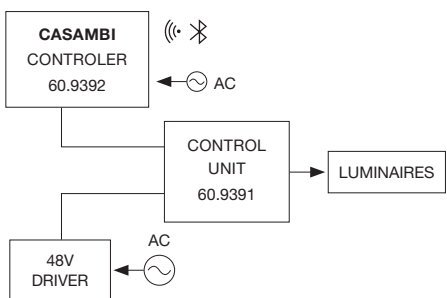
Regulation Systems

0-10V / 1-10V / DALI Installation

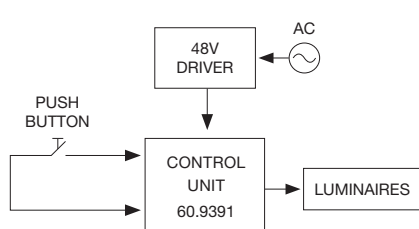
0-10V / 1-10V / DALI CONTROL SIGNAL



CASAMBI Installation



PUSH Installation

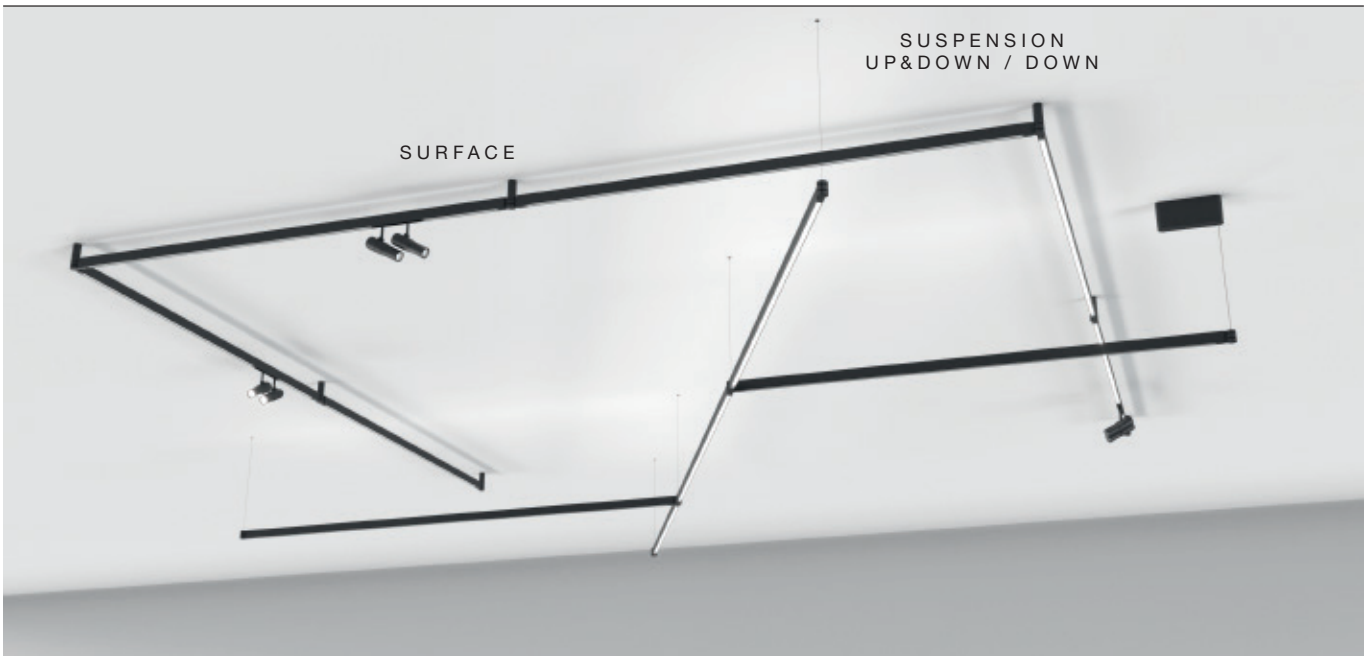


* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source. / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

** It needs an installation box. Compatible DALI interface (IEC 62386-101/102) for controlling indirect lighting. Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Flos website / Necesita caja de instalación. Interfaz DALI compatible (IEC 62386-101/102) para el control de la iluminación indirecta. Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

DIVERSION

DESIGNED BY PIERO LISSONI



Surface/Suspension Profiles 40 White
 40 Blanco 1A Anodic Ice
 1A Anodic Ice 14 Black
 14 Negro CZ Bronze
 CZ Bronze

LIGHT MODULES STRUCTURES

DOWN	UP&DOWN	DOWN + SPOTS	UP&DOWN + SPOTS
LIGHT SOURCE TOP LED 13,5W/m 1540 lm/m 2700K/CRI 90 3000K/CRI 90	LIGHT SOURCE TOP LED 20,5W/m 2284 lm/m 2700K/CRI 90 3000K/CRI 90	LIGHT SOURCE TOP LED 11W/m 1255 lm/m 2700K/CRI 90 3000K/CRI 90	LIGHT SOURCE TOP LED 18W/m 1999 lm/m 2700K/CRI 90 3000K/CRI 90

LIGHT MODULES

ATOM 90	ATOM 120
LIGHT SOURCE POWER LED 5,5W 450 lm 2700K/CRI 90 485 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 8W 635 lm 2700K/CRI 90 680 lm 3000K/CRI 90

Description

This innovative profile system for surface and suspended installation is characterized by its high flexibility. Profiles are equipped with integrated lighting available in direct and indirect emission with the possibility of adding two spots in order to combine accent and detail lighting. The spotlights available for this system are part of the Atom family designed by Piero Lissoni.

The key part of the system is the joint for powering and joining profiles together, which allows to create configurations in 360°, every 45°, as well as to easily connect up to 8 profiles to the same joint piece. Herewith, the system offers an endless number of combinations. It can be composed to create any imaginable structure and can be adapted to different architectural spaces. System of extruded aluminum profiles from 1m up to 2.5m in white, black, anodic ice and bronze finish.

Optic system

- Down linear profile - direct light output: General lighting.
- Up&down linear profile - direct/indirect light output: General lighting.
- Down linear profile + 2 spots - direct light output and accent lighting: General lighting, Spot, Medium.
- Up&down linear profile + 2 spots - direct/indirect light output and accent lighting: General lighting, Spot, Medium.

Power Supply

The system can be powered by a remote power supply which is not included. Recommended drivers can be fed between 90 and 305Vac and must be ordered separately.

Regulation System

System controlled by 1-10V, DALI or Casambi. Broadcast control system. The light dimming for the up&down version can only happen simultaneously. The upper and lower emission cannot be controlled individually. For individual regulation via Casambi, use the Casambi version of spots.

Additional Information

Electrical system powered at 24Vdc and limited to a maximum current of 5A and a maximum power of 120W. IP20 protection grade. Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Este innovador sistema de perfiles para su instalación en superficie y suspensión se caracteriza por una extraordinaria flexibilidad. Los perfiles están dotados de iluminación integrada directa e indirecta y se ofrece la posibilidad de completar cada perfil con dos spots para iluminación de acento y detalle. Los spots disponibles para este sistema son parte de la familia Atom diseñada también por Piero Lissoni.

La pieza clave del sistema es la rótula de alimentación y unión entre perfiles, que permite realizar uniones en 360°, cada 45°, por lo que permite la conexión de hasta 8 perfiles a la misma rótula. Así, el sistema ofrece infinidad de combinaciones pudiendo realizarse casi cualquier tipo de composición imaginable y garantiza su adaptación a diversos espacios arquitectónicos. Perfiles de extrusión de aluminio de longitudes entre 1 m y 2,5 m en decorados blanco, negro, anodic ice y bronce.

Sistema Óptico

- Perfil lineal down - emisión directa: General Lighting.
- Perfil lineal up&down - emisión directa/indirecta: General Lighting.
- Perfil lineal down + 2 spots - emisión directa y acento: General Lighting, Spot, Medium.
- Perfil lineal up&down + 2 spots - emisión directa/indirecta y acento: General Lighting, Spot, Medium.

Unidades de Alimentación

El sistema solo se puede alimentar mediante fuente de alimentación remota no incluida en los perfiles. Los drivers recomendados pueden ser alimentados entre 90 y 305Vac y tienen que pedirse por separado.

Sistema de Regulación

Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. La regulación para la versión up&down se realiza simultáneamente, no es posible independizar la emisión superior e inferior. Para regulación individual vía Casambi usar los spots versión Casambi.

Información Adicional

Sistema eléctrico alimentado a 24Vdc y limitado a una corriente máxima de 5 A y 120W. Índice de protección IP20. Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes secundas.



HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 m

UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 m

DOWN + SPOTS PROFILE



L: 1 / 1,5 / 2 / 2,5 m

UP&DOWN + SPOTS PROFILE



L: 1 / 1,5 / 2 / 2,5 m

2 COMPLETE WITH MOUNTING ACCESSORIES

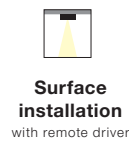


Accessories

Surface joint



Mechanical



Accessories

Recessed power joint



Electrical and mechanical

Surface joint



Mechanical

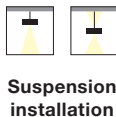
or

+

Recessed power joint with rose



Electrical and mechanical

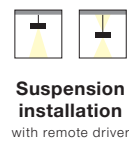


Accessories

Recessed joint



Mechanical



Power suspension joint



Electrical and mechanical

Suspension joint



Mechanical

or

+

Recessed power joint with rose



Electrical and mechanical



or



1-10V

(select the driver with the appropriate power according to the needs of your project)



or



1-10V

(select the driver with the appropriate power according to the needs of your project)

DIVERSION

3 SELECT POWER SUPPLY AND CONTROL OPTION





Surface installation

Surface power supply



1-10 / Dali / Casambi broadcast

Recessed installation

or  120W - 110 - 240 V or + or  120W - 110 - 240 V or  57W - 220 - 240 V or  120W - 110 - 240 V

Dali

Casambi broadcast

Casambi
(select the driver with the appropriate power according to the needs of your project)





Surface installation

Surface power supply



1-10V / Dali / Casambi broadcast

Suspension installation

or  120W - 110 - 240 V or + or  120W - 110 - 240 V or  57W - 220 - 240 V or  120W - 110 - 240 V

Dali

Casambi broadcast

Casambi
(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Atom 90



S/M

Atom 120



S/M

Atom 90



Casambi

Atom 120

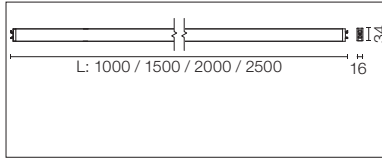


Casambi

DIVERSION – LIGHT MODULES STRUCTURES

Diversion Down

Light Source: Top LED 13,5 W/m - 1540 lm/m - 2700K/CRI 90 - 3000K/CRI 90



Electro-mechanical profile for indoor application with integrated direct linear light element for surface or suspended installation. Lengths from 1 to 2,5m. Fixation by a joint with power kit. Power kit and mechanical joint must be ordered separately.

System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.

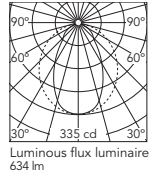
Perfil electro-mecánico de interior con iluminación lineal directa integrada para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m. Con fijación mediante kit de alimentación con rótula. Necesario pedir por separado kit de alimentación y rótula mecánica.

Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.

2700K

L: 1000 mm -13,5W - 1540 lm

- 09.8000.40
- 09.8000.1A
- 09.8000.14
- 09.8000.CZ



Beam Angle: 62°

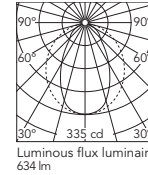
h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

Luminous flux luminaire 634 lm

3000K

L: 1000 mm -13,5W - 1540 lm

- 09.8001.40
- 09.8001.1A
- 09.8001.14
- 09.8001.CZ



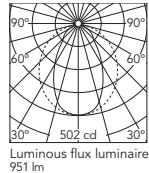
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03

Luminous flux luminaire 634 lm

L: 1500 mm -20,5W - 2310 lm

- 09.8002.40
- 09.8002.1A
- 09.8002.14
- 09.8002.CZ



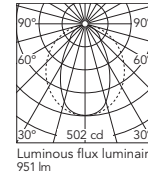
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

Luminous flux luminaire 951 lm

L: 1500 mm -20,5W - 2310 lm

- 09.8003.40
- 09.8003.1A
- 09.8003.14
- 09.8003.CZ



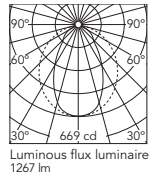
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03

Luminous flux luminaire 951 lm

L: 2000 mm -27,5W - 3080 lm

- 09.8004.40
- 09.8004.1A
- 09.8004.14
- 09.8004.CZ



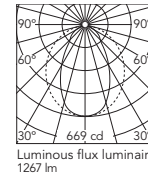
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

Luminous flux luminaire 1267 lm

L: 2000 mm -27,5W - 3080 lm

- 09.8005.40
- 09.8005.1A
- 09.8005.14
- 09.8005.CZ



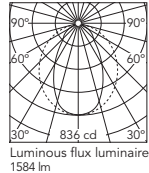
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03

Luminous flux luminaire 1267 lm

L: 2500 mm -34,5W - 3850 lm

- 09.8006.40
- 09.8006.1A
- 09.8006.14
- 09.8006.CZ



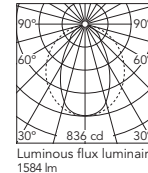
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	836	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

Luminous flux luminaire 1584 lm

L: 2500 mm -34,5W - 3850 lm

- 09.8007.40
- 09.8007.1A
- 09.8007.14
- 09.8007.CZ



Beam Angle: 62°

h(m)	E(lx)	D(m)
1	836	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

Luminous flux luminaire 1584 lm

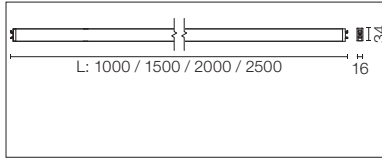
@White (40)

@White (40)

DIVERSION – LIGHT MODULES STRUCTURES

Diversion Up&Down

Light Source: Top LED 20,5 W/m - 744 lm/m UP - 1540 lm/m DOWN - 2700K/CRI 90 - 3000K/CRI 90



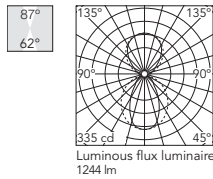
Electro-mechanical profile for indoor application with integrated direct and indirect linear light element for surface or suspended installation. Lengths from 1 to 2,5m. Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately. System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.

Perfil electro-mecánico de interior con iluminación lineal directa e indirecta integrada para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m. Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.

2700K

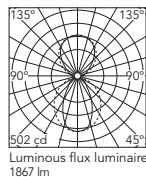
L: 1000 mm - 20,5W
744 lm UP - 1540 lm DOWN

- 09.8010.40
- 09.8010.1A
- 09.8010.14
- 09.8010.CZ



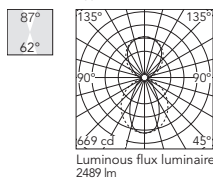
Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03



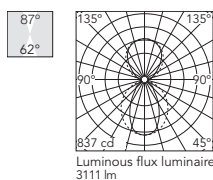
Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03



Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03



Beam Angle DIR: 62°

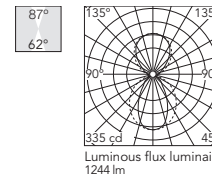
h(m)	E(lx)	D(m)
1	837	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

@White (40)

3000K

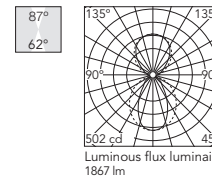
L: 1000 mm - 20,5W
744 lm UP - 1540 lm DOWN

- 09.8011.40
- 09.8011.1A
- 09.8011.14
- 09.8011.CZ



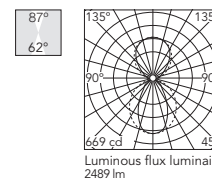
Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	335	1.21
2	84	2.41
3	37	3.62
4	21	4.82
5	13	6.03



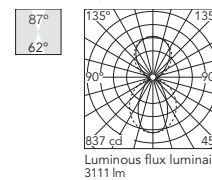
Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	502	1.21
2	125	2.41
3	56	3.62
4	31	4.82
5	20	6.03



Beam Angle DIR: 62°

h(m)	E(lx)	D(m)
1	669	1.21
2	167	2.41
3	74	3.62
4	42	4.82
5	27	6.03



Beam Angle DIR: 62°

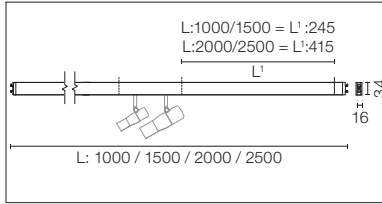
h(m)	E(lx)	D(m)
1	837	1.21
2	209	2.41
3	93	3.62
4	52	4.82
5	33	6.03

@White (40)

DIVERSION – LIGHT MODULES STRUCTURES

Diversion Down + Spots

Light Source: Top LED 11W/m* - 1255 lm/m - 2700K/CRI 90 - 3000K/CRI 90



Max. 2 spots not included



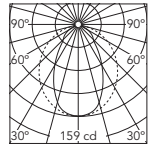
Electro-mechanical profile for indoor application with integrated direct linear light element and space for two spots, for surface or suspended installation. Lengths from 1 to 2,5m. Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately.
System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included.
For single profile structures, suspended version, balance the spot to avoid profile tilting.

Perfil electro-mecánico de interior con iluminación lineal directa integrada y espacio para dos spots, para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m. Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido.
En estructuras de suspensión compuestas por un único perfil, es necesario equilibrar los spots para evitar la inclinación del perfil.

2700K

L: 1000 mm - 11W - 1255 lm

- 09.8020.40
- 09.8020.1A
- 09.8020.14
- 09.8020.CZ



Beam Angle: 62°

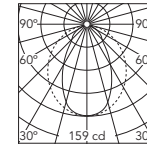
h(m)	E(lx)	D(m)
1	159	1.21
2	40	2.41
3	18	3.62
4	10	4.82
5	6	6.03

Luminous flux luminaire 301 lm

3000K

L: 1000 mm - 11W - 1255 lm

- 09.8021.40
- 09.8021.1A
- 09.8021.14
- 09.8021.CZ



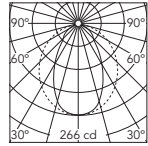
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	159	1.21
2	40	2.41
3	18	3.62
4	10	4.82
5	6	6.03

Luminous flux luminaire 301 lm

L: 1500 mm - 18W - 2097 lm

- 09.8022.40
- 09.8022.1A
- 09.8022.14
- 09.8022.CZ



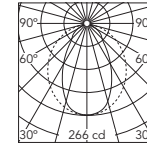
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	266	1.21
2	66	2.41
3	30	3.62
4	17	4.82
5	11	6.03

Luminous flux luminaire 503 lm

L: 1500 mm - 18W - 2097 lm

- 09.8023.40
- 09.8023.1A
- 09.8023.14
- 09.8023.CZ



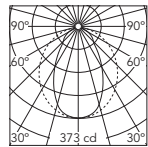
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	266	1.21
2	66	2.41
3	30	3.62
4	17	4.82
5	11	6.03

Luminous flux luminaire 503 lm

L: 2000 mm - 25W - 2939 lm

- 09.8024.40
- 09.8024.1A
- 09.8024.14
- 09.8024.CZ



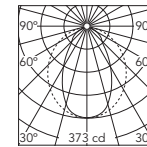
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	373	1.21
2	93	2.41
3	41	3.62
4	23	4.82
5	15	6.03

Luminous flux luminaire 706 lm

L: 2000 mm - 25W - 2939 lm

- 09.8025.40
- 09.8025.1A
- 09.8025.14
- 09.8025.CZ



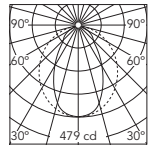
Beam Angle: 62°

h(m)	E(lx)	D(m)
1	373	1.21
2	93	2.41
3	41	3.62
4	23	4.82
5	15	6.03

Luminous flux luminaire 706 lm

L: 2500 mm - 32W - 3781 lm

- 09.8026.40
- 09.8026.1A
- 09.8026.14
- 09.8026.CZ



Beam Angle: 62°

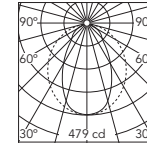
h(m)	E(lx)	D(m)
1	479	1.21
2	120	2.41
3	53	3.62
4	30	4.82
5	19	6.03

Luminous flux luminaire 908 lm

@White (40)

L: 2500 mm - 32W - 3781 lm

- 09.8027.40
- 09.8027.1A
- 09.8027.14
- 09.8027.CZ



Beam Angle: 62°

h(m)	E(lx)	D(m)
1	479	1.21
2	120	2.41
3	53	3.62
4	30	4.82
5	19	6.03

Luminous flux luminaire 908 lm

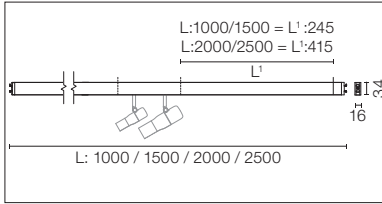
@White (40)

* Power without spots / Potencia sin spots.

DIVERSION – LIGHT MODULES STRUCTURES

Diversion Up&Down + Spots

Light Source: Top LED 18W/m* - 1999 lm/m - 2700K/CRI 90 - 3000K/CRI 90



Max. 2 spots not included



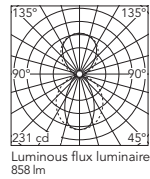
Electro-mechanical profile for indoor application with integrated direct linear light element and space for two spots, for surface or suspended installation. Lengths from 1 to 2,5m. Fixation by fed suspension kit and suspended by a joint. Power kit and mechanical joint must be ordered separately. System controlled by 1-10V driver, DALI or Casambi. Broadcast control system. Dimmer not included. For single profile structures, suspended version, balance the spot to avoid profile tilting.

Perfil electro-mecánico de interior con iluminación lineal directa integrada y espacio para dos spots, para su instalación en superficie o suspensión. Con longitudes de 1 a 2,5m. Con fijación mediante kit de suspensión alimentado y suspendido mediante rótula. Necesario pedir por separado kit de alimentación y rótula mecánica. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido. En estructuras de suspensión compuestas por un único perfil, es necesario equilibrar los spots para evitar la inclinación del perfil.

2700K

L: 1000 mm - 18W
744 lm UP - 1255 lm DOWN

- 09.8030.40
- 09.8030.1A
- 09.8030.14
- 09.8030.CZ



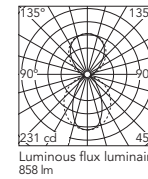
h(m)	E(lx)	D(m)
1	231	1.21
2	58	2.41
3	26	3.62
4	14	4.82
5	9	6.03

Luminous flux luminaire 858 lm

3000K

L: 1000 mm - 18W
744 lm UP - 1255 lm DOWN

- 09.8031.40
- 09.8031.1A
- 09.8031.14
- 09.8031.CZ

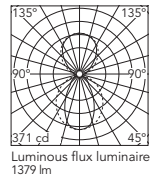


h(m)	E(lx)	D(m)
1	231	1.21
2	58	2.41
3	26	3.62
4	14	4.82
5	9	6.03

Luminous flux luminaire 858 lm

L: 1500 mm - 29,5W
1166 lm UP - 2097 lm DOWN

- 09.8032.40
- 09.8032.1A
- 09.8032.14
- 09.8032.CZ

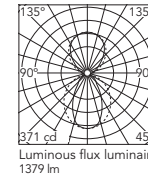


h(m)	E(lx)	D(m)
1	371	1.21
2	93	2.41
3	41	3.62
4	23	4.82
5	15	6.03

Luminous flux luminaire 1379 lm

L: 1500 mm - 29,5W
1166 lm UP - 2097 lm DOWN

- 09.8033.40
- 09.8033.1A
- 09.8033.14
- 09.8033.CZ

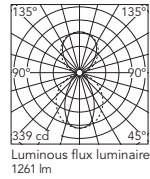


h(m)	E(lx)	D(m)
1	371	1.21
2	93	2.41
3	41	3.62
4	23	4.82
5	15	6.03

Luminous flux luminaire 1379 lm

L: 2000 mm - 40,5W
1488 lm UP - 2939 lm DOWN

- 09.8034.40
- 09.8034.1A
- 09.8034.14
- 09.8034.CZ

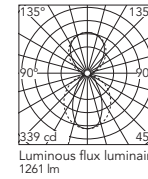


h(m)	E(lx)	D(m)
1	339	1.21
2	85	2.41
3	38	3.62
4	21	4.82
5	14	6.03

Luminous flux luminaire 1261 lm

L: 2000 mm - 40,5W
1488 lm UP - 2939 lm DOWN

- 09.8035.40
- 09.8035.1A
- 09.8035.14
- 09.8035.CZ

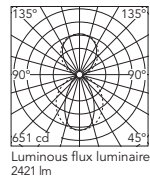


h(m)	E(lx)	D(m)
1	339	1.21
2	85	2.41
3	38	3.62
4	21	4.82
5	14	6.03

Luminous flux luminaire 1261 lm

L: 2500 mm - 52W
1816 lm UP - 3781 lm DOWN

- 09.8036.40
- 09.8036.1A
- 09.8036.14
- 09.8036.CZ

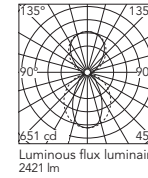


h(m)	E(lx)	D(m)
1	651	1.21
2	163	2.41
3	72	3.62
4	41	4.82
5	26	6.03

Luminous flux luminaire 2421 lm

L: 2500 mm - 52W
1816 lm UP - 3781 lm DOWN

- 09.8037.40
- 09.8037.1A
- 09.8037.14
- 09.8037.CZ



h(m)	E(lx)	D(m)
1	651	1.21
2	163	2.41
3	72	3.62
4	41	4.82
5	26	6.03

Luminous flux luminaire 2421 lm

@White (40)

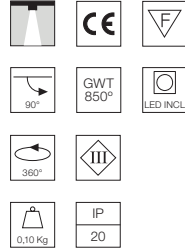
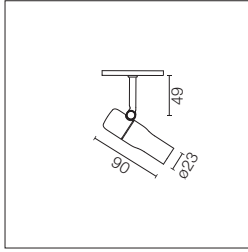
@White (40)

* Power without spots / Potencia sin spots.

DIVERSION – LIGHT MODULES

Atom 90 Designed By Piero Lissoni

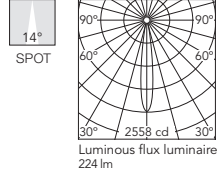
Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90



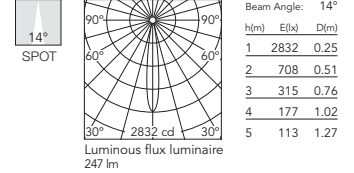
LED accent lighting module to be installed in the Diversion system. Electronic DC/DC converter incorporated. System controlled by 1-10V, DALI or Casambi. Broadcast control system. Dimmer not included. To individually control the spots via Casambi, choose the Casambi version of spots. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Diversion. Convertidor electrónico DC/DC incorporado. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido. Para controlar individualmente los spots vía Casambi seleccionar los spots versión Casambi. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

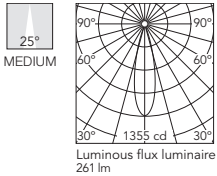
- 2700K**
- 09.3831.40
 - 09.3831.1A
 - 09.3831.14
 - 09.3831.CZ
 - Casambi
 - 09.3931.40
 - 09.3931.14
 - 09.3931.CZ



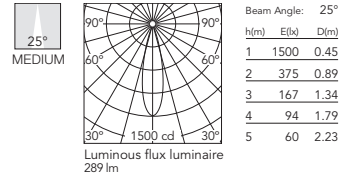
- 3000K**
- 09.3830.40
 - 09.3830.1A
 - 09.3830.14
 - 09.3830.CZ
 - Casambi
 - 09.3930.40
 - 09.3930.14
 - 09.3930.CZ



- 2700K**
- 09.3833.40
 - 09.3833.1A
 - 09.3833.14
 - 09.3833.CZ
 - Casambi
 - 09.3933.40
 - 09.3933.14
 - 09.3933.CZ

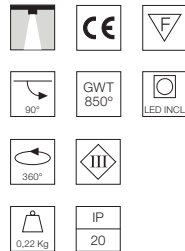
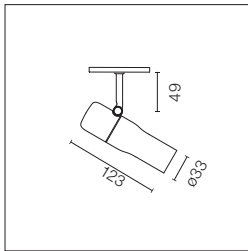


- 3000K**
- 09.3832.40
 - 09.3832.1A
 - 09.3832.14
 - 09.3832.CZ
 - Casambi
 - 09.3932.40
 - 09.3932.14
 - 09.3932.CZ



Atom 120 Designed By Piero Lissoni

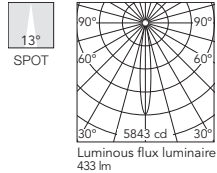
Light Source: Power LED 8W - 635 lm - 2700K/CRI 90 / 8W - 680 lm - 3000K/CRI 90



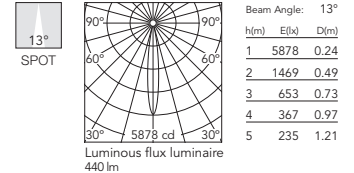
LED accent lighting module to be installed in the Diversion system. Electronic DC/DC converter incorporated. System controlled by 1-10V, DALI or Casambi. Broadcast control system. Dimmer not included. To individually control the spots via Casambi, choose the Casambi version of spots. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Diversion. Convertidor electrónico DC/DC incorporado. Sistema regulado mediante driver 1-10V, DALI o Casambi. Sistema de control broadcast. Dimmer no incluido. Para controlar individualmente los spots vía Casambi seleccionar los spots versión Casambi. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

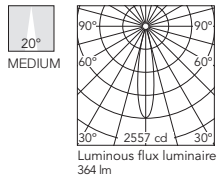
- 2700K**
- 09.3841.40
 - 09.3841.1A
 - 09.3841.14
 - 09.3841.CZ
 - Casambi
 - 09.3941.40
 - 09.3941.14
 - 09.3941.CZ



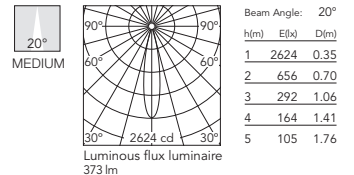
- 3000K**
- 09.3840.40
 - 09.3840.1A
 - 09.3840.14
 - 09.3840.CZ
 - Casambi
 - 09.3940.40
 - 09.3940.14
 - 09.3940.CZ



- 2700K**
- 09.3843.40
 - 09.3843.1A
 - 09.3843.14
 - 09.3843.CZ
 - Casambi
 - 09.3943.40
 - 09.3943.14
 - 09.3943.CZ



- 3000K**
- 09.3842.40
 - 09.3842.1A
 - 09.3842.14
 - 09.3842.CZ
 - Casambi
 - 09.3942.40
 - 09.3942.14
 - 09.3942.CZ



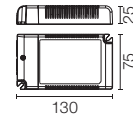
DIVERSION – DRIVERS

Drivers / Equipos

Remote Installation

Remote power supply.
Dimmable through 1/10V
protocol or Non Dimmable. 24V.

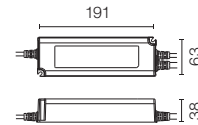
Fuente de alimentación remota.
Dimable mediante protocolo
1/10V o No Dimable. 24V.



57W - 220/240V
60.9361

Remote power supply.
Dimmable through 1/10V
protocol. 24V.

Fuente de alimentación remota.
Dimable mediante protocolo
1/10V. 24V.

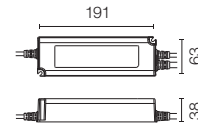


120W - 110*/240V
60.9416

*UL max 100W

Remote power supply.
Dimmable through DALI
protocol. 24V.

Fuente de alimentación remota.
Dimable mediante protocolo
DALI. 24V.

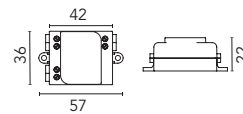


120W - 110*/240V
60.9426

*UL max 100W

Casambi controller. It is
recommended to adjust the
minimum level of regulation to 5%.
Requires 1-10V or Dali driver. It
must be ordered separately.

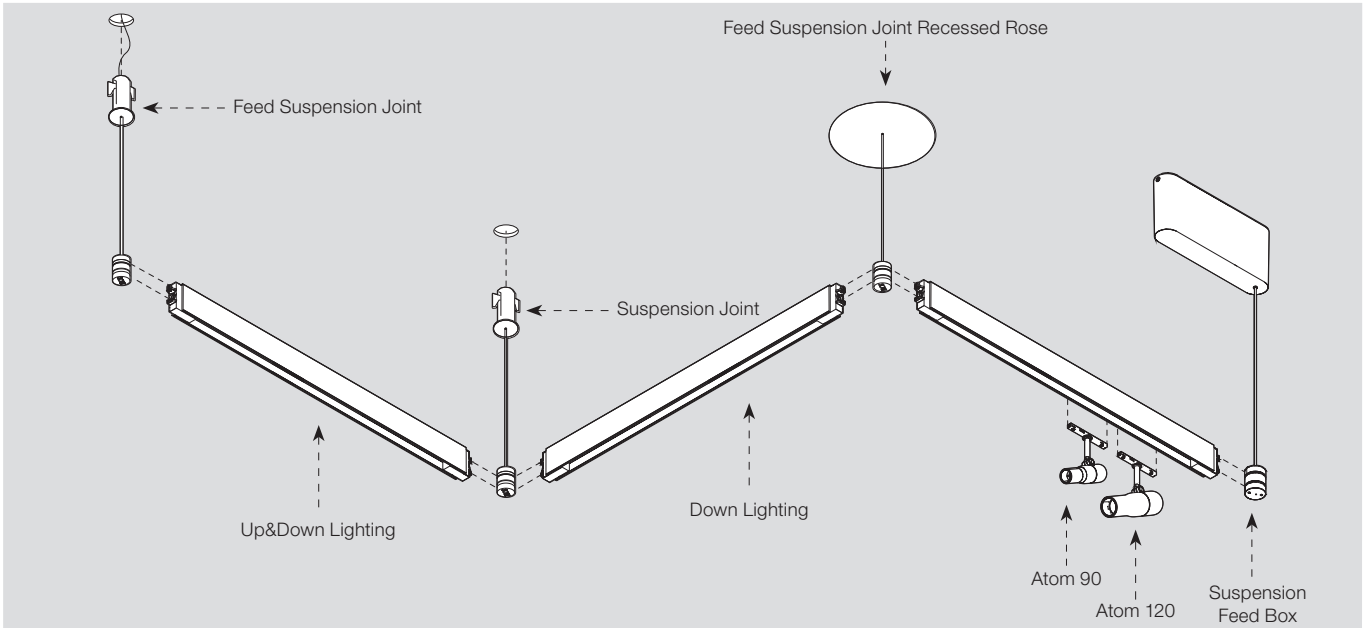
Controlador Casambi. Se
recomienda ajustar el nivel
mínimo de regulación al 5%.
Requiere driver 1-10V o Dali,
pedir por separado.



220-240Vac
60.9392

DIVERSION – INSTALLATION

SUSPENSION INSTALLATION



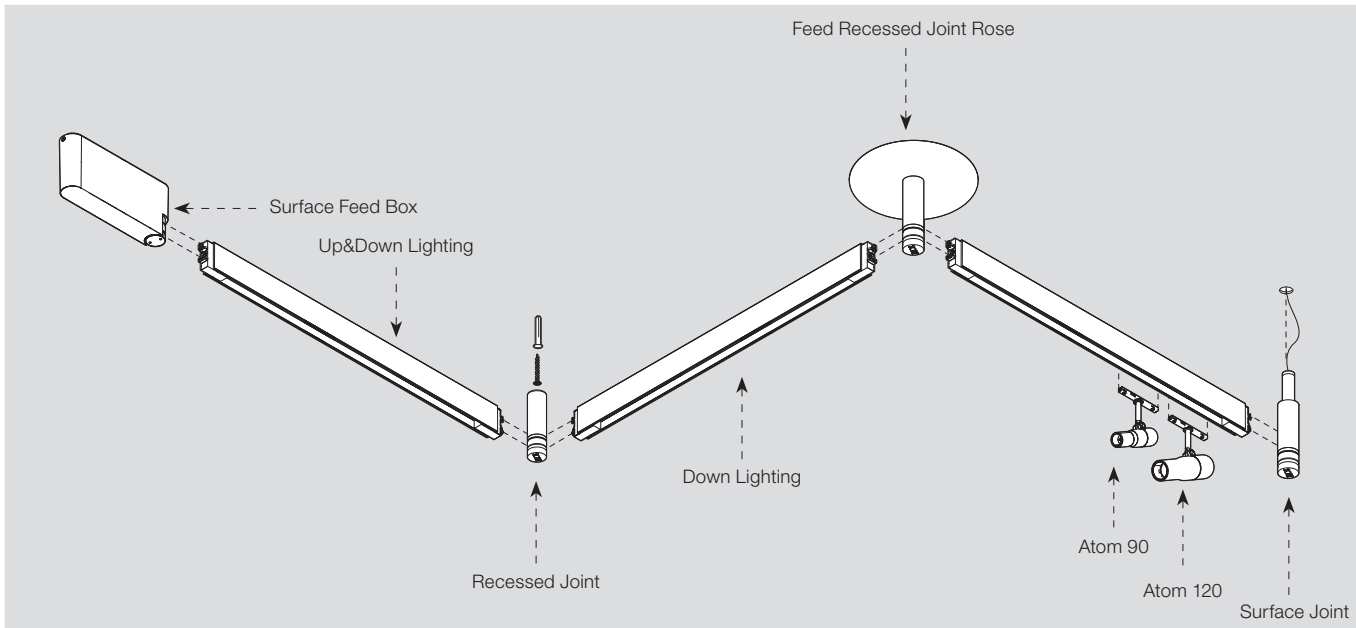
Accessories / Accesorios

Power suspension joint. 24V. Power cable: 3800 mm.	Rótula de alimentación de suspensión. 24V. Cable de alimentación: 3800 mm.			<ul style="list-style-type: none"> 06.5300.40 06.5300.1A 06.5300.14 06.5300.CZ
Suspension joint. 0.6 mm thick, 3800 mm long steel wire.	Rótula de suspensión. Alambre de acero de 0,6 mm de espesor y longitud 3800 mm.			<ul style="list-style-type: none"> 06.5301.40 06.5301.1A 06.5301.14 06.5301.CZ
Power suspension joint with rose, for recessing. 24V. Power cable: 3800 mm.	Rótula de alimentación de suspensión para empotrar con rosetón. 24V. Cable de alimentación: 3800 mm.			<ul style="list-style-type: none"> 06.5302.40 06.5302.1A 06.5302.14 06.5302.CZ
Power suspension feed box, for surface installation. 24V. Power cable: 3800 mm. Driver included (1-10V/DALI/Casambi).	Caja de alimentación de suspensión para instalación en superficie. 24V. Cable de alimentación: 3800 mm. Driver incluido (1-10V/DALI/Casambi).			<ul style="list-style-type: none"> 1-10V / 57W - 220-240Vac 06.5310.40 06.5310.1A 06.5310.14 06.5310.CZ *DALI / 57W - 220-240Vac 06.5314.40 06.5314.1A 06.5314.14 06.5314.CZ Casambi / 57W - 220-240Vac 06.5311.40 06.5311.1A 06.5311.14 06.5311.CZ
Ceiling suspension joint, for surface installation. 0.6 mm thick, 3800 mm long steel wire.	Rótula de suspensión para instalación en superficie. Alambre de acero de 0,6 mm de espesor y longitud 3800 mm.			<ul style="list-style-type: none"> 06.5303.40 06.5303.1A 06.5303.14 06.5303.CZ

* Compatible DALI interface (IEC 62386-101/102). Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Flos website / Interfaz DALI compatible (IEC 62386-101/102). Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

DIVERSION – INSTALLATION

SURFACE INSTALLATION



Accessories / Accesorios

Recessed power joint. 24V	Rótula de alimentación empotrada. 24V.			<ul style="list-style-type: none"> 06.5304.40 06.5304.1A 06.5304.14 06.5304.CZ
Recessed / surface joint.	Rótula empotrable y de superficie.			<ul style="list-style-type: none"> 06.5305.40 06.5305.1A 06.5305.14 06.5305.CZ
Recessed power joint with rose. 24V.	Rótula de alimentación empotrada con rosetón. 24V.			<ul style="list-style-type: none"> 06.5306.40 06.5306.1A 06.5306.14 06.5306.CZ
Surface feed box, for ceiling installation. 24V. Driver included (1-10V/DALI/Casambi).	Caja de alimentación para instalación en superficie. 24V. Driver incluido (1-10V/DALI/Casambi).			<ul style="list-style-type: none"> 1-10V / 57W - 220-240Vac 06.5312.40 06.5312.1A 06.5312.14 06.5312.CZ *DALI / 57W - 220-240Vac 06.5315.40 06.5315.1A 06.5315.14 06.5315.CZ Casambi / 57W - 220-240Vac 06.5313.40 06.5313.1A 06.5313.14 06.5313.CZ

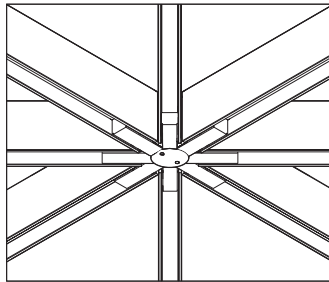
* Compatible DALI interface (IEC 62386-101/102). Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Fios website / Interfaz DALI compatible (IEC 62386-101/102). Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Fios.

• **How many profiles can I feed up with the same driver?**

Power is the limit. When using the 120W driver model, the number of luminaires must be adjusted to that maximum consumption.

• **How many profiles can I connect to one single joint?**

It is possible to connect up to 8 profiles to the same joint.



• **How many profiles can I feed up with one single feeding joint?**

The maximum quantity is 8 pieces, one every 45°. The limit is represented by their total power consumption which has to be less than 120W.

- Example 1; when using 1m profiles with direct light emission (Down).

Lighting module power consumption = 13,5W.

$120W/13,5W = 8,88$ lighting modules, which means 8 modules maximum.

The joint could therefore feature up to 8 light modules single emission without spots.

- Example 2; when using 2,5m profiles featuring direct/indirect light emission (Up&Down) with 2 Atom 120 spots.

Lighting module power consumption including 2 spots = $54,5W + 2 \times 8W = 70,5W$.

$120W/70,5W = 1,7$ modules, which means 1 module maximum.

It is therefore possible to complete a joint attaching only one lighting module Up&Down equipped with two spots. In order to add more elements to the same joint, these will need to be fed by another dedicated joint located on the opposite side of the profile.

Please make sure to set the integrated switches located at the end of each profile. This will avoid switching multiple power supplies, which would cause the entire system to malfunction.

• **¿Cuántos perfiles puedo alimentar con la misma fuente de alimentación?**

La limitación es la potencia. Usando la fuente de alimentación de 120W hay que ajustar el número de luminarias a dicho máximo.

• **¿Cuántos perfiles puedo conectar a una sola rótula?**

Se pueden conectar hasta 8 perfiles a una misma rótula.

• **¿Cuántos perfiles puedo alimentar desde una sola rótula de alimentación?**

El máximo es 8, uno cada 45° y la limitación es la potencia que tiene que ser menor de 120W.

- Ejemplo 1; usando los perfiles de 1m y de iluminación directa (Down).

Potencia Módulo de luz = 13,5W.

$120W/13,5W = 8,88$ módulos, ajustando al entero inferior resulta el máximo 8 módulos.

Por lo que se podrá completar la rótula con el máximo de 8 módulos lineales de luz sin spots.

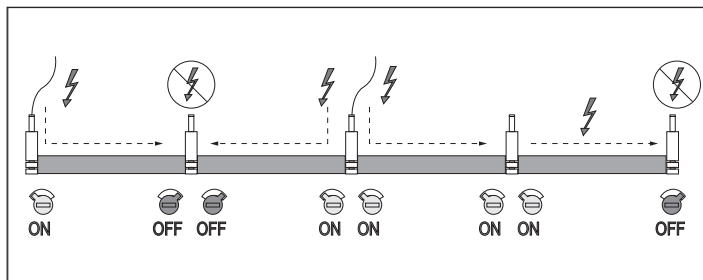
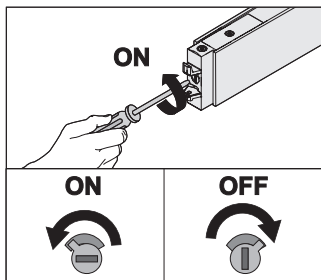
- Ejemplo 2; usando los perfiles de 2,5m con emisión directa e indirecta (Up&Down) con 2 spots Atom 120.

Potencia Módulo de luz + 2 spots = $54,5W + 2 \times 8W = 70,5W$.

$120W/70,5W = 1,7$ módulos, ajustando al entero inferior resulta el máximo 1 módulo.

Por lo que se podrá completar la rótula con un único módulo lineal de luz con dos spots. Para añadir más elementos a la misma rótula, éstos deberán ser alimentados desde otra rótula en el extremo opuesto.

Es muy importante configurar los interruptores situados en los extremos de cada perfil, para evitar conmutar varias fuentes de alimentación, lo que provocaría que el sistema no funcionase correctamente.

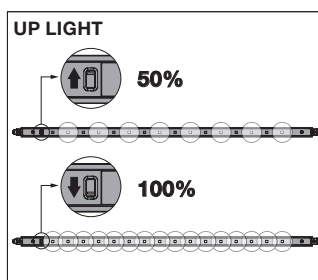


• **Can I control each luminaire individually?**

No, the entire system is controlled simultaneously (broadcast). Direct and indirect lighting cannot be separated for independent control either. Modules with indirect illumination are equipped with a switch to reduce the maximum power of 50%, establishing it as the maximum without affecting the DALI, 1-10V or Casambi dimming options.

• **¿Puedo controlar individualmente cada luminaria?**

No, todo el sistema se controla simultáneamente (broadcast). La iluminación directa e indirecta tampoco se puede separar para su control independiente. Los módulos con iluminación indirecta están dotados de un conmutador para reducir la potencia máxima de al 50%, estableciéndose éste como el máximo sin afectar a las opciones de regulación DALI, 1-10V o Casambi.



• Which is the biggest profile I can install with the surface power supply?

- Up&Down - 2500mm
- Up&Down + 2 Spots - 2000m
- Down - 2500mm
- Down + 2 Spots - 2500mm

• Which kind of layouts can be designed with Diversion?

As an example, we show the following compositions; the possibilities of configuration with this system are almost endless considering that the minimum angle between two profiles is 45° and the maximum load depends on the feeding equipment selected.

(Feeding equipment is not included, depending on the installation, the equipment can be remote or with suspension or surface boxes).

• ¿Con la alimentación de superficie cuál es el mayor perfil que puedo instalar?

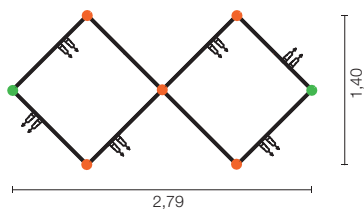
- Up&Down - 2500mm
- Up&Down + 2 Spots - 2000mm
- Down - 2500mm
- Down + 2 Spots - 2500mm

• ¿Qué tipos de esquemas de distribución de elementos (layout) se pueden realizar con el sistema Diversion?

A modo de ejemplo mostramos las siguientes composiciones, las posibilidades son infinitas teniendo en cuenta que el ángulo mínimo entre dos perfiles es de 45° y la carga máxima del equipo de alimentación seleccionado. (Equipos de alimentación no incluidos, en función de la instalación los equipos pueden ser remotos o con cajas de suspensión o de superficie).

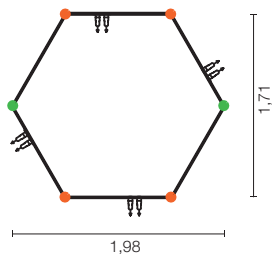
Example No.1

- 6 x Light Module Diversion Down + Spots - L 1000 mm
- 2 x Light Module Diversion Down - L 1000 mm
- 12 x Atom 120
- 5 x Joint
- 2 x Power Joint



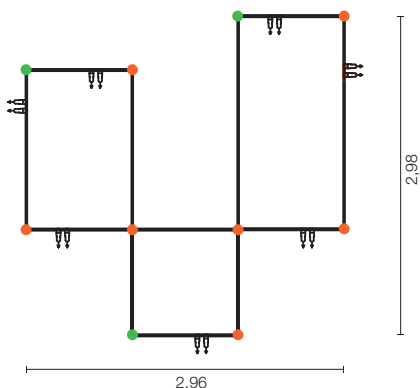
Example No.3

- 4 x Light Module Diversion Down + Spots - L 1000 mm
- 2 x Light Module Diversion Down - L 1000 mm
- 8 x Atom 120
- 4 x Joint
- 2 x Power Joint



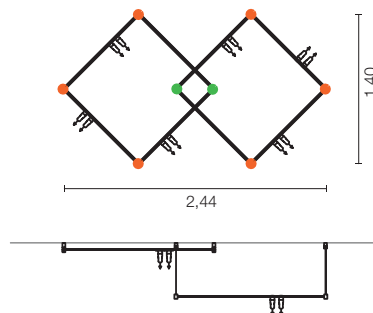
Example No.5

- 5 x Light Module Diversion Down + Spots - L 1000 mm
- 3 x Light Module Diversion Down - L 1000 mm
- 1 x Light Module Diversion Down + Spots - L 1500 mm
- 1 x Light Module Diversion Down - L 1500 mm
- 1 x Light Module Diversion Down + Spots - L 2000 mm
- 1 x Light Module Diversion Down - L 2000 mm
- 14 x Atom 90
- 6 x Joint
- 3 x Power Joint



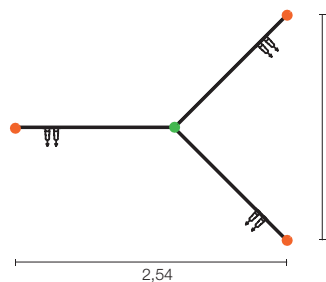
Example No.2

- 6 x Light Module Diversion Down + Spots - L 1000 mm
- 2 x Light Module Diversion Down - L 1000 mm
- 12 x Atom 90
- 1 x Power Joint Suspension
- 3 x Joint Suspension
- 1 x Power Joint Surface
- 3 x Joint Surface



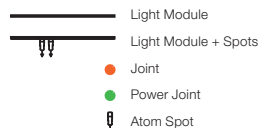
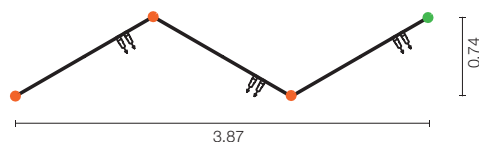
Example No.4

- 3 x Light Module Diversion Down + Spots - L 1000 mm
- 6 x Atom 90
- 3 x Joint
- 1 x Power Joint



Example No.6

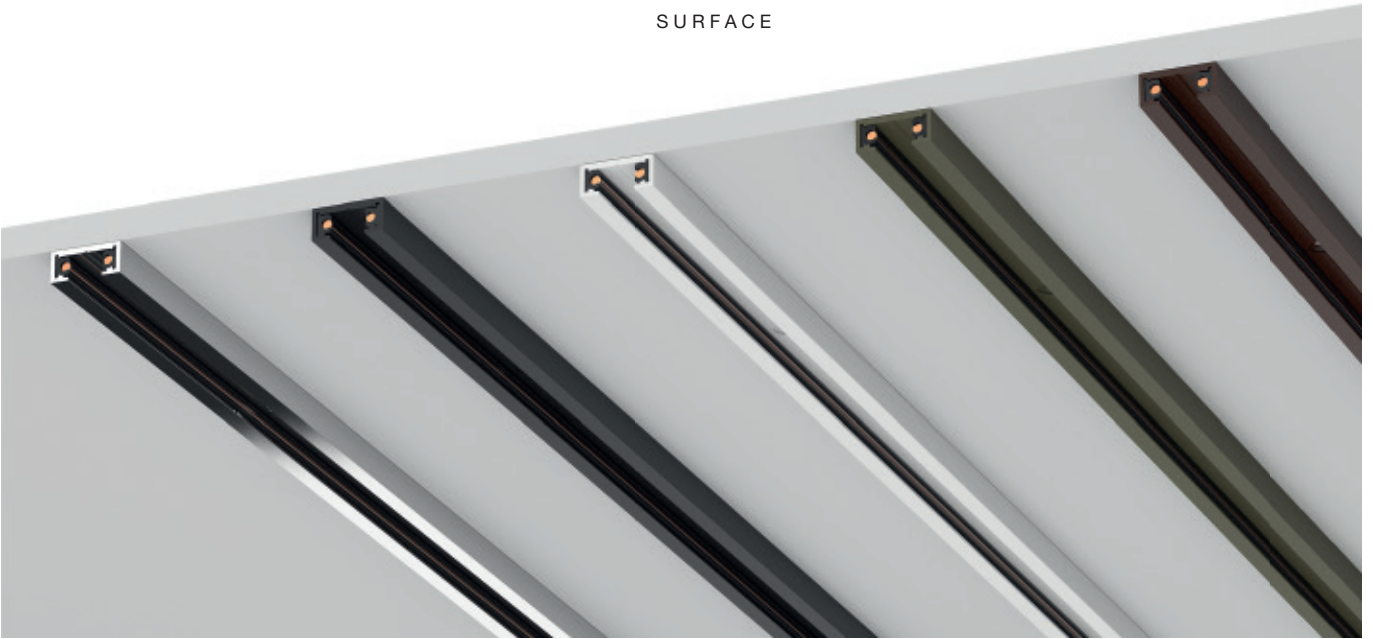
- 3 x Light Module Diversion Up&Down + Spots - L 1500 mm
- 6 x Atom 90
- 3 x Joint
- 1 x Power Joint



ZERO TRACK

DESIGNED BY FLOS ARCHITECTURAL

SURFACE



- Surface Profiles
- 40 White
40 Blanco
 - ◻ 06 Chrome
06 Cromo
 - 14 Black
14 Negro
 - CZ Bronze
CZ Bronze
 - 18 Deep brown
18 Deep brown

LIGHT MODULES

FIND ME 0	FIND ME 1	FIND ME 2	FIND ME 1 SUSPENSION
LIGHT SOURCE POWER LED 3,5W 300 lm 2700K/CRI 90 325 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 5,5W 450 lm 2700K/CRI 90 485 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 10,5W 650 lm 2700K/CRI 90 700 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 5,5W 450 lm 2700K/CRI 90 485 lm 3000K/CRI 90

ATOM 90	ATOM 120	ATOM 200
LIGHT SOURCE POWER LED 5,5W 450 lm 2700K/CRI 90 485 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 8W 635 lm 2700K/CRI 90 680 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 10,5W 1050 lm 2700K/CRI 90 1150 lm 3000K/CRI 90

Description

This new system of profiles for surface installation is characterized by its reduced dimensions, providing a minimalist aesthetic which is highly appreciated in various architectural spaces. For non-accessible ceilings, the system has integrated dimmable power supplies, controlled by 1-10V broadcast control systems. Available remote power supplies dimmable through 1/10V, DALI and Casambi Broadcast systems. Surface feeding unit available with 1/10V protocol. Casambi system available for individual bluetooth dimming of each light unit through the app FLOS Control® powered by Casambi for mobile (available on Apple Store and Google Play). The system of extruded aluminum tracks up to 3 meters in white, black, deep brown bronze and chrome. They are equipped with electric tracks supporting 24Vdc power supplies.

Optic system

- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Power Supply

The system can be powered by a remote power supply (not included) or by power supply equipments to be inserted in the track, which include a dimmable power supply.

The initial power connector has a space for cable insertion through both the upper and side parts. The power connector, middle power supply and 90° corners can be powered only from the back.

The maximum length of the track with the same driver is 10 meters.

Additional Information

Electrical system powered at 24Vdc and limited to a maximum current of 5A and a maximum power of 120W. IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Este nuevo sistema de perfiles para su instalación en superficie se caracteriza por sus dimensiones reducidas lo que le confiere una estética minimalista muy apreciada en diversos espacios arquitectónicos. Para soluciones en techos no accesibles, el sistema dispone de fuentes de alimentación atenuables integradas, mediante sistemas de control broadcast 1-10V.

Disponibles fuentes de alimentación remotas regulables mediante sistemas 1/10V, DALI y Casambi en modo broadcast. En superficie la regulación será mediante el protocolo 1/10V. Sistema Casambi para regulación individual bluetooth de cada punto de luz mediante APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

El sistema de carriles de aluminio de hasta 3m extruido en blanco, negro, deep brown, bronce y cromo. Están dotados de pistas eléctricas para ser alimentadas a 24Vdc.

Sistema Óptico

- Find Me 0: Spot, Medium.
- Find Me 1: Spot, Medium.
- Find Me 2: Spot, Medium, Flood.
- Find Me 1 Suspension: Spot, Medium.
- Atom 90: Spot, Medium.
- Atom 120: Spot, Medium.
- Atom 200: General lighting.

Unidades de Alimentación

El sistema puede alimentarse mediante fuente de alimentación remota no incluida o con los equipos de alimentación para insertar en el carril que sí incluyen una fuente de alimentación regulable.

El conector de alimentación inicial dispone de reserva para la entrada de los cables tanto por la parte superior como por el lateral. El conector de alimentación, el alimentador intermedio y las esquinas de 90° son alimentables solo por la parte trasera.

La longitud máxima del carril con un mismo driver es de 10 m.

Información Adicional

Sistema eléctrico alimentado a 24Vdc y limitado a una corriente máxima de 5A y 120W.

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes secundas.

FLOS
CONTROL BY CASAMBI



HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

SURFACE PROFILE



L: 1 / 2 / 3 m



2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector



Right & Left

End cap



Intermediate Feed connector



Straight

Stopper



Intermediate connector



Feed 90° Corner



Feed Inner 90° Corner



Feed T piece



Feed Cross piece



ZERO TRACK

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation



Non Dimmable / 1-10V



120W

Dali



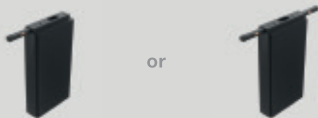
Casambi broadcast



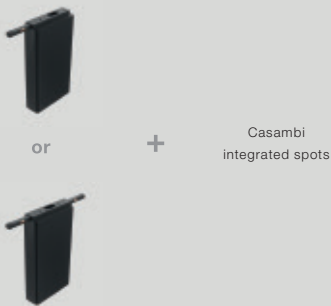
Non Dimmable / 1-10V

(select the driver with the appropriate power according to the needs of your project)

Surface installation



Non Dimmable / 1-10V



Casambi individual

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Standard / Casambi Integrated (individual control)

Find Me 0



S/M

Atom 90



S/M

Find Me 1



S/M

Atom 120



S/M

Find Me 2



S/M/F

Atom 200



General Lighting

Find Me Suspension



S/M

ZERO TRACK SURFACE – PROFILES

Profiles

Electro-mechanical indoor profile for surface installation (ceiling or wall). To be fixed with specific screw plugs that come with the profile. 1-meter to 3-meters lengths.

It is necessary to order the power connector, intermediate connectors and covers separately.

Feed unit connectors available as 90° flat corner and curve (symmetric element for left/right corner), ceiling/wall - wall/wall inner corner, as well as "T" and "X" shape.

For vertical installations, installing the stopper is mandatory. It must be ordered separately.

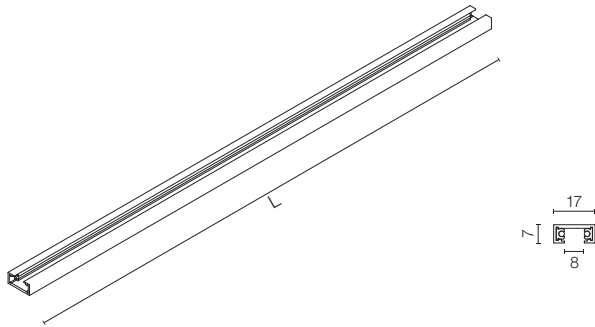
Perfiles

Perfil electromecánico de interior para su instalación en superficie(techo o pared) con fijación mediante tornillos tacos específicos servidos con el perfil. Con longitudes de 1 a 3m.

Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.

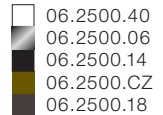
Disponibles esquinas mecánicas alimentables de 90° y curva en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquina de 90° en distinto plano (techo-pared y pared-pared interior), así como uniones en "T" y cruces.

Para instalaciones verticales es necesario instalar el tope de fijación (stopper) que se tiene que pedir por separado.

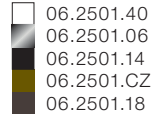


L: 1 m / 2 m / 3 m

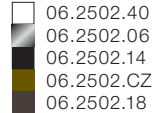
L: 1000 mm



L: 2000 mm

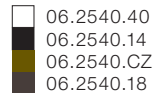
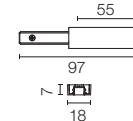


L: 3000 mm



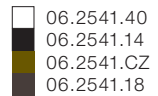
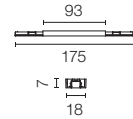
Feed unit for remote power supply unit. Power cable inserting is possible both from the top and the side.

Conector de alimentación para equipo remoto. Posible entrada del cable de alimentación tanto superior como lateral.



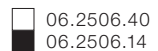
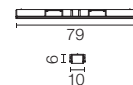
Feed intermediate connector. Upper feeding cable entry.

Conector de alimentación intermedio. Entrada del cable de alimentación superior.



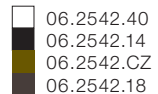
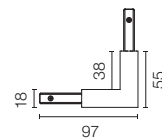
Intermediate connector.

Conector intermedio.



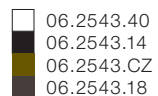
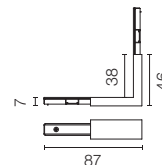
90° flat corner. Can be powered. It has a rear space for the supply connection.

Esquina plana 90°. Alimentable, con reserva para acometida por la parte trasera.



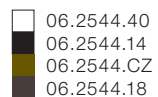
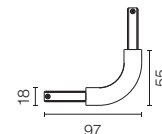
Ceiling/wall - wall/wall inner corner. Can be powered. It has two spaces for the supply connection located on each side at the rear.

Esquina interior techo/pared - pared/pared. Alimentable, con dos reservas para acometida por la parte trasera en cada lado.



Interior ceiling/ceiling-wall/wall curve. Can be powered via connections on the back.

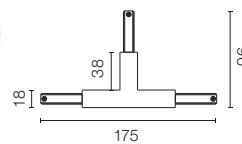
Curva interior techo/techo - pared/pared. Alimentable, con acometida por la parte trasera.



ZERO TRACK SURFACE – PROFILES

T-shaped connector. Can be powered via connections on the back.

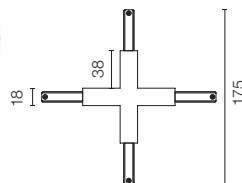
Conector en forma de "T" . Alimentable, con acometida por la parte trasera.



- 06.2545.40
- 06.2545.14
- 06.2545.CZ
- 06.2545.18

Cross-shaped connector. Can be powered via connections on the back.

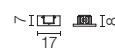
Conector en forma de cruz . Alimentable, con acometida por la parte trasera.



- 06.2546.40
- 06.2546.14
- 06.2546.CZ
- 06.2546.18

End cap.

Terminal.



- 06.2509.40
- 06.2509.14
- 06.2509.CZ
- 06.2509.18

Stopper. For fixing luminaires in vertical track installations.

Stopper. Para fijación de luminarias en instalaciones de carril vertical.

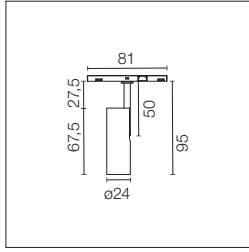


- 08.0630.40
- 08.0630.14

ZERO TRACK – LIGHT MODULES

Find Me 0 Designed By Jorge Herrera

Light Source: Power LED 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90



LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included.

To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.

Para el control individual de las luminarias seleccionar versiones Casambi integrated. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

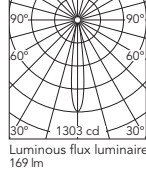
- 09.3801.40
- 09.3801.06
- 09.3801.14
- 09.3801.CZ
- 09.3801.18

**Casambi integrated

- 09.3901.40
- 09.3901.06
- 09.3901.14
- 09.3901.CZ
- 09.3901.18



SPOT



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1303	0.26
2	326	0.52
3	145	0.77
4	81	1.03
5	52	1.29

3000K

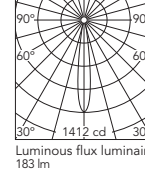
- 09.3800.40
- 09.3800.06
- 09.3800.14
- 09.3800.CZ
- 09.3800.18

**Casambi integrated

- 09.3900.40
- 09.3900.06
- 09.3900.14
- 09.3900.CZ
- 09.3900.18



SPOT



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1412	0.26
2	353	0.52
3	157	0.77
4	88	1.03
5	56	1.29

2700K

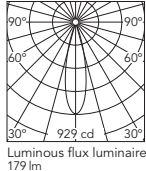
- 09.3803.40
- 09.3803.06
- 09.3803.14
- 09.3803.CZ
- 09.3803.18

**Casambi integrated

- 09.3903.40
- 09.3903.06
- 09.3903.14
- 09.3903.CZ
- 09.3903.18



MEDIUM



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	929	0.45
2	232	0.89
3	103	1.34
4	58	1.79
5	37	2.23

3000K

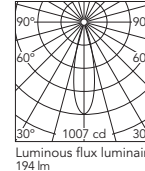
- 09.3802.40
- 09.3802.06
- 09.3802.14
- 09.3802.CZ
- 09.3802.18

**Casambi integrated

- 09.3902.40
- 09.3902.06
- 09.3902.14
- 09.3902.CZ
- 09.3902.18



MEDIUM



Beam Angle: 26°

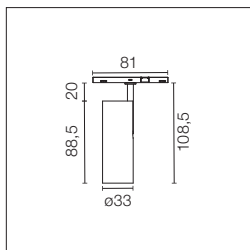
h(m)	E(lx)	D(m)
1	1007	0.45
2	252	0.89
3	112	1.34
4	63	1.79
5	40	2.23

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK – LIGHT MODULES

Find Me 1 Designed By Jorge Herrera

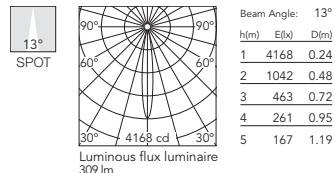
Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90



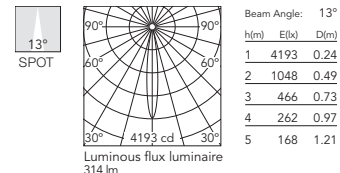
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included. To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido. Para el control individual de las luminarias seleccionar versiones Casambi integradas. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

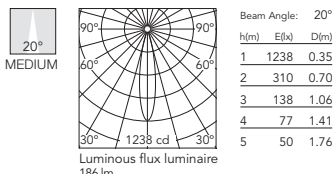
- 2700K**
- 09.3812.40
 - 09.3812.06
 - 09.3812.14
 - 09.3812.CZ
 - 09.3812.18
 - **Casambi integrated
 - 09.3912.40
 - 09.3912.06
 - 09.3912.14
 - 09.3912.CZ
 - 09.3912.18



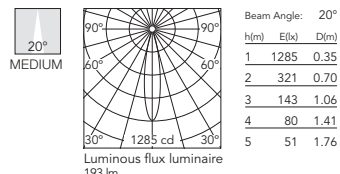
- 3000K**
- 09.3810.40
 - 09.3810.06
 - 09.3810.14
 - 09.3810.CZ
 - 09.3810.18
 - **Casambi integrated
 - 09.3910.40
 - 09.3910.06
 - 09.3910.14
 - 09.3910.CZ
 - 09.3910.18



- 2700K**
- 09.3813.40
 - 09.3813.06
 - 09.3813.14
 - 09.3813.CZ
 - 09.3813.18
 - **Casambi integrated
 - 09.3913.40
 - 09.3913.06
 - 09.3913.14
 - 09.3913.CZ
 - 09.3913.18



- 3000K**
- 09.3811.40
 - 09.3811.06
 - 09.3811.14
 - 09.3811.CZ
 - 09.3811.18
 - **Casambi integrated
 - 09.3911.40
 - 09.3911.06
 - 09.3911.14
 - 09.3911.CZ
 - 09.3911.18

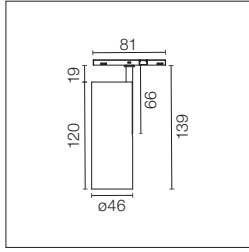


** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK – LIGHT MODULES

Find Me 2 Designed By Jorge Herrera

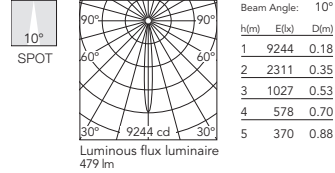
Light Source: Power LED 10,5W* - 650 lm - 2700K/CRI90 / 10,5W* - 700 lm - 3000K/CRI90



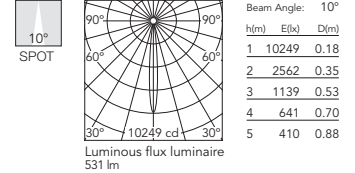
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included. To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido. Para el control individual de las luminarias seleccionar versiones Casambi integradas. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

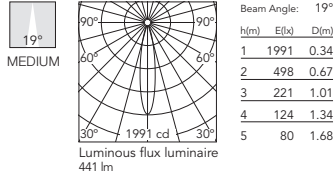
- 2700K**
- 09.3862.40
 - 09.3862.06*
 - 09.3862.14
 - 09.3862.CZ
 - 09.3862.18
- **Casambi integrated
- 09.3962.40
 - 09.3962.06*
 - 09.3962.14
 - 09.3962.CZ
 - 09.3962.18



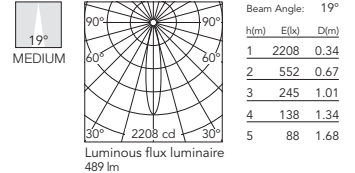
- 3000K**
- 09.3860.40
 - 09.3860.06*
 - 09.3860.14
 - 09.3860.CZ
 - 09.3860.18
- **Casambi integrated
- 09.3960.40
 - 09.3960.06*
 - 09.3960.14
 - 09.3960.CZ
 - 09.3960.18



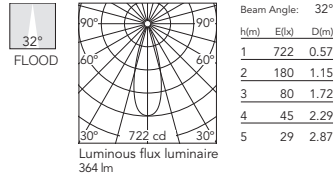
- 2700K**
- 09.3863.40
 - 09.3863.06*
 - 09.3863.14
 - 09.3863.CZ
 - 09.3863.18
- **Casambi integrated
- 09.3963.40
 - 09.3963.06*
 - 09.3963.14
 - 09.3963.CZ
 - 09.3963.18



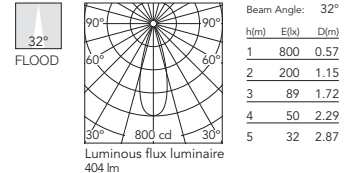
- 3000K**
- 09.3861.40
 - 09.3861.06*
 - 09.3861.14
 - 09.3861.CZ
 - 09.3861.18
- **Casambi integrated
- 09.3961.40
 - 09.3961.06*
 - 09.3961.14
 - 09.3961.CZ
 - 09.3961.18



- 2700K**
- 09.3865.40
 - 09.3865.06*
 - 09.3865.14
 - 09.3865.CZ
 - 09.3865.18
- **Casambi integrated
- 09.3965.40
 - 09.3965.06*
 - 09.3965.14
 - 09.3965.CZ
 - 09.3965.18



- 3000K**
- 09.3864.40
 - 09.3864.06*
 - 09.3864.14
 - 09.3864.CZ
 - 09.3864.18
- **Casambi integrated
- 09.3964.40
 - 09.3964.06*
 - 09.3964.14
 - 09.3964.CZ
 - 09.3964.18



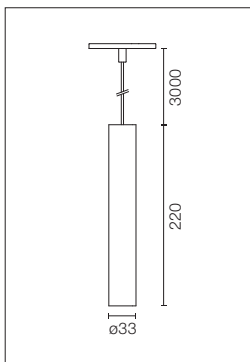
* For chrome finishes their power is 8W / Para el decorado cromo la potencia es 8W.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK – LIGHT MODULES

Find Me 1 Suspension Designed By Jorge Herrera

Light Source: Power LED 5,5W - 450 lm - 2700K/CRI 90 / 5,5W - 485 lm - 3000K/CRI 90



LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included.
To individually control the lights, select integrated Casambi versions. Not suitable for vertical installations. Accessories included (honeycomb and screening crosspiece).

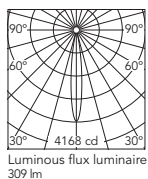
Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido.
Para el control individual de las luminarias seleccionar versiones Casambi integradas. No se puede instalar en carriles verticales. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

- 09.3822.40
- 09.3822.06
- 09.3822.14
- 09.3822.CZ
- 09.3822.18

**Casambi integrated

- 09.3922.40
- 09.3922.06
- 09.3922.14
- 09.3922.CZ
- 09.3922.18



Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	4168	0.24
2	1042	0.48
3	463	0.72
4	261	0.95
5	167	1.19

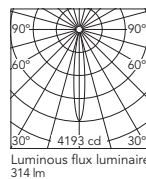
Luminous flux luminaire 309 lm

3000K

- 09.3820.40
- 09.3820.06
- 09.3820.14
- 09.3820.CZ
- 09.3820.18

**Casambi integrated

- 09.3920.40
- 09.3920.06
- 09.3920.14
- 09.3920.CZ
- 09.3920.18



Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	4193	0.24
2	1048	0.49
3	466	0.73
4	262	0.97
5	168	1.21

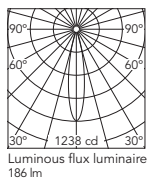
Luminous flux luminaire 314 lm

2700K

- 09.3823.40
- 09.3823.06
- 09.3823.14
- 09.3823.CZ
- 09.3823.18

**Casambi integrated

- 09.3923.40
- 09.3923.06
- 09.3923.14
- 09.3923.CZ
- 09.3923.18



Beam Angle: 20°		
h(m)	E(lx)	D(m)
1	1238	0.35
2	310	0.70
3	138	1.06
4	77	1.41
5	50	1.76

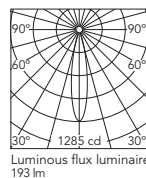
Luminous flux luminaire 186 lm

3000K

- 09.3821.40
- 09.3821.06
- 09.3821.14
- 09.3821.CZ
- 09.3821.18

**Casambi integrated

- 09.3921.40
- 09.3921.06
- 09.3921.14
- 09.3921.CZ
- 09.3921.18



Beam Angle: 20°		
h(m)	E(lx)	D(m)
1	1285	0.35
2	321	0.70
3	143	1.06
4	80	1.41
5	51	1.76

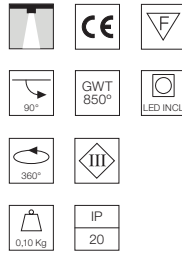
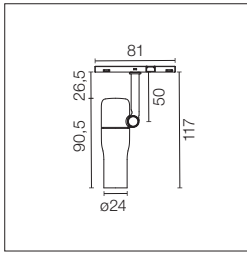
Luminous flux luminaire 193 lm

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK – LIGHT MODULES

Atom 90 Designed By Piero Lissoni

Light Source: Power LED 5,5W* - 450 lm - 2700K/CRI 90 / 5,5W* - 485 lm - 3000K/CRI 90



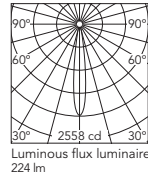
LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1–10-V DALI or Casambi driver in broadcast mode. Dimmer not included. To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido. Para el control individual de las luminarias seleccionar versiones Casambi integradas. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

09.3831.40
09.3831.06*
09.3831.14
09.3831.CZ
09.3831.18
**Casambi integrated

09.3931.40
09.3931.06*
09.3931.14
09.3931.CZ
09.3931.18



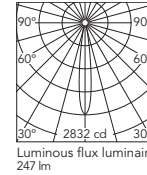
Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	2558	0.25
2	640	0.51
3	284	0.76
4	160	1.02
5	102	1.27

Luminous flux luminaire
224 lm

3000K

09.3830.40
09.3830.06*
09.3830.14
09.3830.CZ
09.3830.18
**Casambi integrated

09.3930.40
09.3930.06*
09.3930.14
09.3930.CZ
09.3930.18



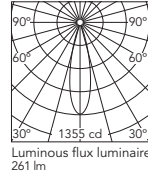
Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	2832	0.25
2	708	0.51
3	315	0.76
4	177	1.02
5	113	1.27

Luminous flux luminaire
247 lm

2700K

09.3833.40
09.3833.06*
09.3833.14
09.3833.CZ
09.3833.18
**Casambi integrated

09.3933.40
09.3933.06*
09.3933.14
09.3933.CZ
09.3933.18



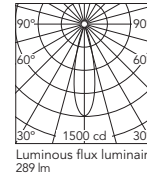
Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	1355	0.45
2	339	0.89
3	151	1.34
4	85	1.79
5	54	2.23

Luminous flux luminaire
261 lm

3000K

09.3832.40
09.3832.06*
09.3832.14
09.3832.CZ
09.3832.18
**Casambi integrated

09.3932.40
09.3932.06*
09.3932.14
09.3932.CZ
09.3932.18



Beam Angle: 25°		
h(m)	E(lx)	D(m)
1	1500	0.45
2	375	0.89
3	167	1.34
4	94	1.79
5	60	2.23

Luminous flux luminaire
289 lm

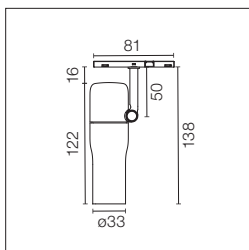
* For chrome finishes their power is 4.7W / Para el decorado cromo la potencia es 4.7W.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK – LIGHT MODULES

Atom 120 Designed By Piero Lissoni

Light Source: Power LED 8W* - 635 lm - 2700K/CRI 90 / 8W* - 680 lm - 3000K/CRI 90

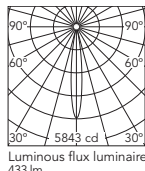


LED accent lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included. To individually control the lights, select integrated Casambi versions. Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido. Para el control individual de las luminarias seleccionar versiones Casambi integrated. Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

- 09.3841.40
- 09.3841.06*
- 09.3841.14
- 09.3841.CZ
- 09.3841.18
- **Casambi integrated
- 09.3941.40
- 09.3941.06*
- 09.3941.14
- 09.3941.CZ
- 09.3941.18

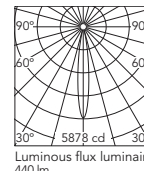


Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	5843	0.24
2	1461	0.48
3	649	0.72
4	365	0.95
5	234	1.19

Luminous flux luminaire 433 lm

3000K

- 09.3840.40
- 09.3840.06*
- 09.3840.14
- 09.3840.CZ
- 09.3840.18
- **Casambi integrated
- 09.3940.40
- 09.3940.06*
- 09.3940.14
- 09.3940.CZ
- 09.3940.18

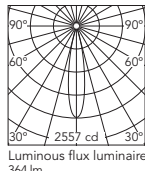


Beam Angle: 13°		
h(m)	E(lx)	D(m)
1	5878	0.24
2	1469	0.49
3	653	0.73
4	367	0.97
5	235	1.21

Luminous flux luminaire 440 lm

2700K

- 09.3843.40
- 09.3843.06*
- 09.3843.14
- 09.3843.CZ
- 09.3843.18
- **Casambi integrated
- 09.3943.40
- 09.3943.06*
- 09.3943.14
- 09.3943.CZ
- 09.3943.18

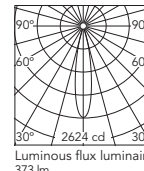


Beam Angle: 20°		
h(m)	E(lx)	D(m)
1	2557	0.35
2	639	0.70
3	284	1.06
4	160	1.41
5	102	1.76

Luminous flux luminaire 364 lm

3000K

- 09.3842.40
- 09.3842.06*
- 09.3842.14
- 09.3842.CZ
- 09.3842.18
- **Casambi integrated
- 09.3942.40
- 09.3942.06*
- 09.3942.14
- 09.3942.CZ
- 09.3942.18

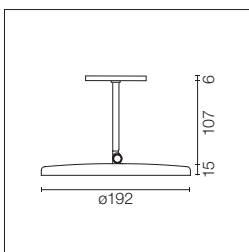


Beam Angle: 20°		
h(m)	E(lx)	D(m)
1	2624	0.35
2	656	0.70
3	292	1.06
4	164	1.41
5	105	1.76

Luminous flux luminaire 373 lm

Atom 200 Designed By Piero Lissoni

Light Source: Power LED 10,5W - 1050 lm - 2700K/CRI 90 / 10,5W - 1150 lm - 3000K/CRI 90

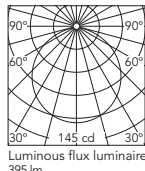


LED general lighting module to be installed in the Zero Track system. Incorporated DC/DC electronic converter. Module regulated via 1-10-V DALI or Casambi driver in broadcast mode. Dimmer not included. To individually control the lights, select integrated Casambi versions. Not suitable for vertical installations.

Módulo de iluminación LED general para ser instalado en el sistema Zero Track. Convertidor electrónico DC/DC incorporado. Módulo regulado mediante driver 1-10V, DALI o Casambi, modo broadcast. Dimmer no incluido. Para el control individual de las luminarias seleccionar versiones Casambi integrated. No se puede instalar en carriles verticales.

2700K

- 09.3851.40
- 09.3851.06
- 09.3851.14
- 09.3851.CZ
- 09.3851.18
- **Casambi integrated
- 09.3951.40
- 09.3951.06
- 09.3951.14
- 09.3951.CZ
- 09.3951.18

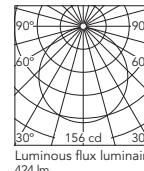


Beam Angle: 110°		
h(m)	E(lx)	D(m)
1	145	2.86
2	36	5.73
3	16	8.59
4	9	11.45
5	6	14.32

Luminous flux luminaire 395 lm

3000K

- 09.3850.40
- 09.3850.06
- 09.3850.14
- 09.3850.CZ
- 09.3850.18
- **Casambi integrated
- 09.3950.40
- 09.3950.06
- 09.3950.14
- 09.3950.CZ
- 09.3950.18



Beam Angle: 110°		
h(m)	E(lx)	D(m)
1	156	2.86
2	39	5.73
3	17	8.59
4	10	11.45
5	6	14.32

Luminous flux luminaire 424 lm

* For chrome finishes their power is 6W / Para el decorado cromo la potencia es 6W.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® powered by Casambi. Other types of regulation are broadcast (all lights are regulated at the same time) / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® por Casambi. El resto de regulaciones serán tipo broadcast (todas las luminarias se regulan a la vez).

ZERO TRACK

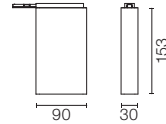
Drivers / Equipos

1-10V Broadcast / Non Dimmable

Surface Installation

Power supply surface end.
Dimmable through 1/10V protocol or Non Dimmable. Cannot be installed on wall tracks.
Dimming range 20-100%.

Fuente de alimentación inicial para instalación en superficie.
Dimable mediante protocolo 1/10V o No Dimable. No se puede instalar en carriles en pared.
Rango de regulación 20-100%.



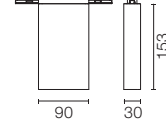
57W - 220/240V
06.2510.40
06.2510.06
06.2510.14
06.2510.CZ
06.2510.18

1-10V Broadcast / Non Dimmable

Surface Installation

Power supply surface middle.
Dimmable through 1/10V protocol or Non Dimmable. Cannot be installed on wall tracks.
Dimming range 20-100%.

Fuente de alimentación intermedia para instalación en superficie.
Dimable mediante protocolo 1/10V o No Dimable. No se puede instalar en carriles en pared.
Rango de regulación 20-100%.



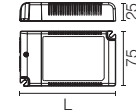
57W - 220/240V
06.2511.40
06.2511.06
06.2511.14
06.2511.CZ
06.2511.18

1-10V Broadcast / Non Dimmable

Remote Installation

Remote power supply. Dimmable through 1/10V protocol or Non Dimmable.
Dimming range 20-100%.

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V o No Dimable.
Rango de regulación 20-100%.



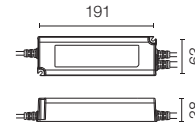
25W - 110/240V - L:110
60.9359
36W-110V / 45W-240V - L:120
60.9360
57W - 220/240V - L:130
60.9361

1-10V Broadcast / Non Dimmable

Remote Installation

Remote power supply. Dimmable through 1/10V protocol.
Dimming range 20-100%.

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V.
Rango de regulación 20-100%.



120W - 110*/240V
60.9416

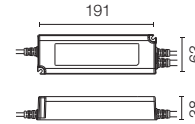
*UL max 100W

DALI

Remote Installation

Remote power supply. Dimmable through DALI protocol.
Dimming range 10-100%.

Fuente de alimentación remota.
Dimable mediante protocolo DALI.
Rango de regulación 10-100%.



120W - 110*/240V
60.9426

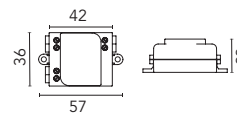
*UL max 100W

Casambi

Remote Installation

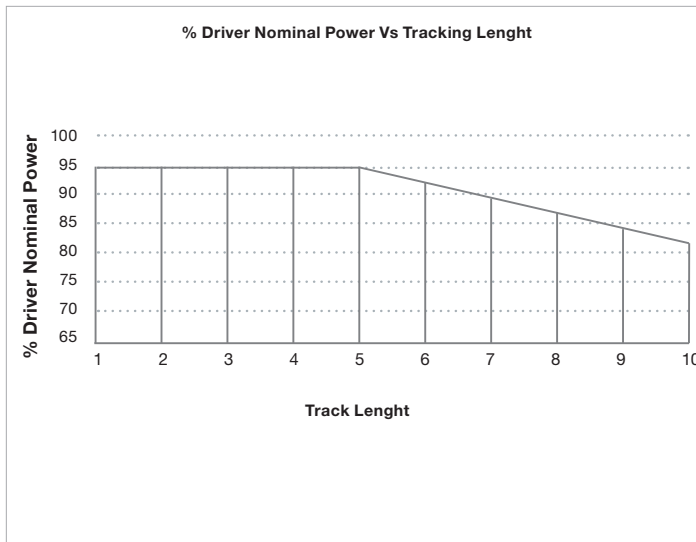
Casambi controller 220-240V.
Requires 1-10V or Dali driver. It must be ordered separately.
Dimming range 10-100%.

Controlador Casambi 220-240V.
Requiere driver 1-10V o Dali, pedir por separado.
Rango de regulación 10-100%.



60.9392

Track Length (m)	% Driver Nominal Power
1	95
2	95
3	95
4	95
5	95
6	93
7	91
8	89
9	87
10	85



Example:

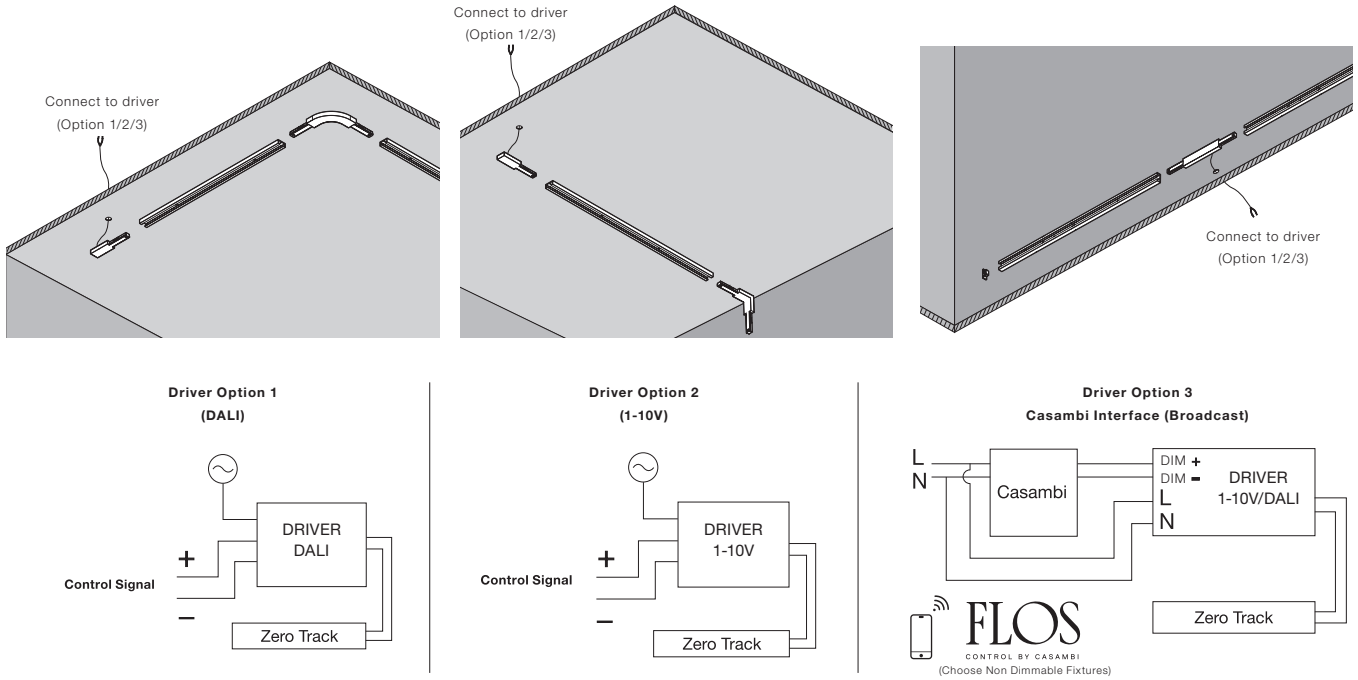
Ref. 60.9361: 57W / 4 m track
57W * 0,95 = 54,15W available

	W luminary	N° luminaries	W luminaries
Find Me 0	3,5	3	10,5
Find Me 1	5,5	0	0
Find Me 2	10,5	0	0
Atom 90	5,5	3	16,5
Atom 120	8	2	16
Atom 200	10,5	1	10,5
Total system power: 53,5W			

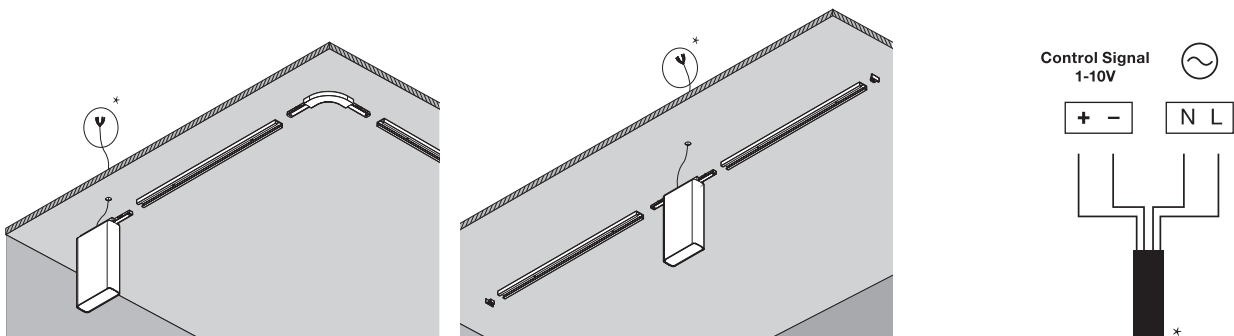
Maximum cable length: (driver to track): 5 m
Cable section: 2x1,5 mm²
Maximum track length: 10 m
Maximum power: 120W

ZERO TRACK - REGULATION SYSTEMS

Remote Driver Installations - Broadcast



Surface Driver Installations - Broadcast



Individual Control Casambi Bluetooth



ZERO TRACK – EASY PACKS – FIND ME 1

Power supply surface end + 2m track + 2 spots (Find Me 1)



09.3880.40
09.3880.14

Power supply surface end + 2m track + 3 spots (Find Me 1)



09.3881.40
09.3881.14

Power supply surface middle + 2x1m track + 2 spots (Find Me 1)



09.3882.40
09.3882.14

Power supply surface middle + 2x1m track + 4 spots (Find Me 1)



09.3883.40
09.3883.14

Power supply surface end + 3m track + 3 spots (Find Me 1)



09.3884.40
09.3884.14

Power supply surface end + 3m track + 4 spots (Find Me 1)



09.3885.40
09.3885.14

Power supply surface end + 2x2m track + Intermediate connector + 4 spots (Find Me 1)



09.3886.40
09.3886.14

Power supply surface middle + 2x2m track + 4 spots (Find Me 1)



09.3887.40
09.3887.14

ZERO TRACK – EASY PACKS – FIND ME 1

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	2
Black/White	TRACK 2 MT SURF ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2m track + 2 spots (Find Me 1)

09.3880.40
 09.3880.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	3
Black/White	TRACK 2m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2m track + 3 spots (Find Me 1)

09.3881.40
 09.3881.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	2
Black/White	TRACK 1m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x1m track + 2 spots (Find Me 1)

09.3882.40
 09.3882.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	4
Black/White	TRACK 1m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x1m track + 4 spots (Find Me 1)

09.3883.40
 09.3883.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	3
Black/White	TRACK 3m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 3m track + 3 spots (Find Me 1)

09.3884.40
 09.3884.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	4
Black/White	TRACK 3m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 3m track + 4 spots (Find Me 1)

09.3885.40
 09.3885.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	4
Black/White	TRACK 2m SURFACE ZERO TRACK	2
Black/White	STRAIGHT CONNECTOR ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2x2m track + Intermediate connector + 4 spots (Find Me 1)

09.3886.40
 09.3886.14

COLOURS	MODEL	UNITS
Black/White	FINDME 1 ZERO TRACK POWER LED 2700K CRI90 SPOT 5.5W	4
Black/White	TRACK 2m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x2m track + 4 spots (Find Me 1)

09.3887.40
 09.3887.14

ZERO TRACK – EASY PACKS – ATOM 120

Power supply surface end + 2m track + 2 spots (Atom 120)

□ 09.3890.40
■ 09.3890.14

Power supply surface end + 2m track + 3 spots (Atom 120)

□ 09.3891.40
■ 09.3891.14

Power supply surface middle + 2x1m track + 2 spots (Atom 120)

□ 09.3892.40
■ 09.3892.14

Power supply surface middle + 2x1m track + 4 spots (Atom 120)

□ 09.3893.40
■ 09.3893.14

Power supply surface end + 3m track + 3 spots (Atom 120)

□ 09.3894.40
■ 09.3894.14

Power supply surface end + 3m track + 4 spots (Atom 120)

□ 09.3895.40
■ 09.3895.14

Power supply surface end + 2x2m track + Intermediate connector + 4 spots (Atom 120)

□ 09.3896.40
■ 09.3896.14

Power supply surface middle + 2x2m track + 4 spots (Atom 120)

□ 09.3897.40
■ 09.3897.14

ZERO TRACK – EASY PACKS – ATOM 120

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	2
Black/White	TRACK 2m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2m track + 2 spots (Atom 120)

09.3890.40
 09.3890.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	3
Black/White	TRACK 2m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2m track + 3 spots (Atom 120)

09.3891.40
 09.3891.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	2
Black/White	TRACK 1m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x1m track + 2 spots (Atom 120)

09.3892.40
 09.3892.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	4
Black/White	TRACK 1m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x1m track + 4 spots (Atom 120)

09.3893.40
 09.3893.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	3
Black/White	TRACK 3m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 3m track + 3 spots (Atom 120)

09.3894.40
 09.3894.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	4
Black/White	TRACK 3m SURFACE ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	1
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 3m track + 4 spots (Atom 120)

09.3895.40
 09.3895.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	4
Black/White	TRACK 2m SURFACE ZERO TRACK	2
Black/White	STRAIGHT CONNECTOR ZERO TRACK	1
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE END 57W 1-10V ZERO TRACK	1

Power supply surface end + 2x2m track + Intermediate connector + 4 spots (Atom 120)

09.3896.40
 09.3896.14

COLOURS	MODEL	UNITS
Black/White	ATOM 120 ZERO TRACK POWER LED CCT=2700K CRI>90 SPOT 8W	4
Black/White	TRACK 2m SURFACE ZERO TRACK	2
Black/White	BLIND END ZERO TRACK	2
Black/White	POWER SUPPLY SURFACE MIDDLE 57W 1-10V ZERO TRACK	1

Power supply surface middle + 2x2m track + 4 spots (Atom 120)

09.3897.40
 09.3897.14

THE MICRO RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles 14 Black
14 Negro

Surface Profiles 40 White
40 Blanco 14 Black
14 Negro

LIGHT MODULES

NANO SPOT



LIGHT SOURCE
POWER LED
2W
165 lm
2700K/CRI 90
170 lm
3000K/CRI 90
185 lm
4000K/CRI 90
200 lm
5000K/CRI 90

MICRO SPOT



LIGHT SOURCE
POWER LED
3W
275 lm
2700K/CRI 90
295 lm
3000K/CRI 90
315 lm
4000K/CRI 90
335 lm
5000K/CRI 90

SPOT



LIGHT SOURCE
POWER LED
6W
545 lm
2700K/CRI 90
585 lm
3000K/CRI 90
625 lm
4000K/CRI 90
665 lm
5000K/CRI 90

LIGHT SHADOW SPOT



LIGHT SOURCE
POWER LED
3W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90
300 lm
4000K/CRI 90
320 lm
5000K/CRI 90

LIGHT STRIPE DIFFUSED



LIGHT STRIPE WALL-WASHER



LIGHT SOURCE
TOP LED
15W/m
1440 lm/m
2700K/CRI 90
1550 lm/m
3000K/CRI 90
1660 lm
4000K/CRI 90
1775 lm
5000K/CRI 90

Description

Innovative program of ultra-miniaturized structures in recessed and surface versions. Compatible with a wide range of professional lighting solutions by means of magnetic fixing. The Micro Running Magnet is the ultimate solution for exhibition lighting. A complete and professional program that, in addition to its reduced dimensions, provides a balanced and attractive light to highlight each object in the best way and in 360°.

The quintessence of integrated light obtained thanks to a profile of only 5 mm that allows the total integration of micro-devices designed to be combined with the structure until they disappear almost completely.

The incredibly small profile size that characterizes the program enhances the light's flexibility and its relationship with the architecture. The light-ing bodies are installed by means of a magnetic support inside the profile, providing an unparalleled ease of use.

Magnetic fixing of the luminaries, which allows hot handling. The lighting bodies can be moved when they are still on, achieving enormous flexibility and adaptability in the configuration at any time. The profile of all The Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaries are installed simply by insertion.

Complete range of micro-projectors available in various powers and sizes. They all include professional acrylic stabilized micro-lenses for a maximum control of lighting effects.

Control

- DALI: broadcasting remote control (dimming of all the luminaires in a single group).

- 1/10V: broadcasting remote control (dimming of all the luminaires in a single group).

- Casambi: broadcast control through a tablet or smartphone application (FLOS Control®).

App needed for mobile devices (available in Apple Store y Google Play).

Optic system

The accent light modules are available with intensive optics (spot lens) and extensive optics (medium, flood and wide flood lens). Linear lighting modules with direct diffused or wall-washer light emission, available in different lengths from 300mm up to 1200mm.

Power Supply

Remote 24V power supply not included.

Additional Information

The Micro Running Magnet is a 24V electrical system limited to a maximum power current of 5A and 120W to avoid overloads. After every 120W make a new connection with a feed unit profile. IP20 protection grade. Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions

Descripción

Innovador programa de estructuras ultra miniaturizadas en versión empotrada y de superficie. Compatible con una amplia gama de soluciones de iluminación profesional mediante fijación magnética.

The Micro Running Magnet es la solución definitiva para la iluminación de exposiciones. Un programa completo y profesional que además de dimensiones reducidas proporciona una luz equilibrada y atractiva para resaltar cada objeto de la mejor manera en 360°.

La quinta esencia de la luz integrada, obtenida gracias a un perfil de solo 5 mm que permite la integración total de micro dispositivos diseñados para combinarse con la estructura hasta casi desaparecer.

El increíble tamaño reducido del perfil que caracteriza el programa realiza la flexibilidad de la luz y su relación con la arquitectura.

La instalación de los cuerpos iluminantes se realiza mediante un soporte magnético dentro del perfil para una facilidad de uso sin igual.

Fijación magnética de las luminarias, lo que permite su manipulación en caliente. Los cuerpos iluminantes se pueden mover estando encendidos, consiguiendo así una gran flexibilidad y adaptabilidad de la configuración en cualquier momento.

Todos los perfiles estructurales de Micro Running Magnet han sido fabricados con periferia de aluminio extruido en blanco y negro, provisto de pistas eléctricas alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.

Gama completa de micro proyectores disponibles en varias potencias y tamaños. Todos incluyen micro lentes profesionales estabilizadas en acrílico para un control máximo de los efectos de iluminación.

Control

- DALI: control broadcast, todas las luminarias a la vez.

- 1/10V: control remoto en broadcasting (dimado de todas las luminarias en grupo).

- Casambi: control broadcast a través de una aplicación para tablet o smartphone (FLOS Control®).

Necesaria app para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico

Los módulos de luz de acento se encuentran disponibles con óptica intensiva (spot lens) y con ópticas extensivas (medium, flood y wide flood).

Módulos de iluminación lineal de entre 300mm y hasta 1200mm en versiones de luz directa para iluminación general y bañador de pared.

Unidades de Alimentación

Fuente de alimentación remota de 24V no incluida.

Información Adicional

The Micro Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 5A y 120W para evitar sobrecargas. Cada vez que completemos los 120W deberemos realizar nuevamente la conexión mediante un perfil de alimentación. Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

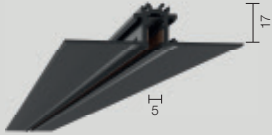
FLOS
CONTROL BY CASAMBI



HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed connector



Intermediate connector



Straight

End cap



90° Corner



Electrical / Mechanical joint

Inner corner



Electrical / Mechanical joint

3 SELECT POWER SUPPLY

Recessed installation
Remote power supply



or



25W / 45W / 75W

120W

1/10V or Non Dimmable

(select the driver with the appropriate power according to the needs of your project)



120W

Dali



+

or



+



25W / 45W / 75W



120W

Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

SURFACE/SUSPENSION DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

Feed connector



Intermediate connector



Straight

End cap



90° Corner



Inner corner



Recessed installation
Remote power supply



or



25W / 45W / 75W

120W

1/10V or Non Dimmable

(select the driver with the appropriate power according to the needs of your project)



120W

Dali



+

or



+



25W / 45W / 75W



120W

Casambi broadcast

(select the driver with the appropriate power according to the needs of your project)

THE MICRO RUNNING MAGNET

4 SELECT A LIGHT MODULE

Light Stripe Diffused



L: 3 m / 6 m / 9 m / 12 m



General lighting

Light Stripe Wall-Washer



L: 3 m / 6 m / 9 m / 12 m



Wall-Washer

Nano Spot



M/F

Micro Spot



S/M

Spot



S/M

Light Shadow Spot

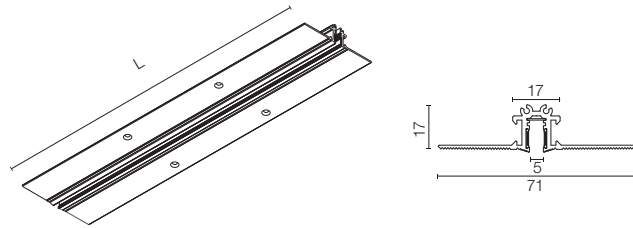


S/M/F/WF

THE MICRO RUNNING MAGNET RECESSED – PROFILES

Profiles

Electromechanical profile of reduced size for recessed installation in plasterboard ceilings/walls with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).



L: 1 m / 1,5 m / 2m / 2,5m / 3 m

Perfiles

Perfil electro-mecánico de dimensiones mínimas para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).

Feed Unit Profiles

L: 1000 mm

■ 06.6000.14

L: 1500 mm

■ 06.6001.14

L: 2000 mm

■ 06.6002.14

L: 2500 mm

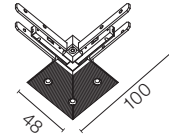
■ 06.6003.14

L: 3000 mm

■ 06.6004.14

90° Corner.

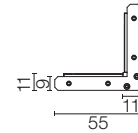
Esquina 90°.



■ 06.6030.14

Inner corner.

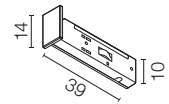
Esquina interior.



■ 06.6032.14

Feed connector.
2m cable included.

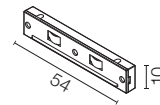
Conector de alimentación.
Cable de 2m incluido.



■ 06.6034.14

Intermediate connector.

Conector intermedio.



■ 06.6035.14

End cap. 1 unit kit.

Tapa. Kit de 1 unidad.



■ 06.6036.14

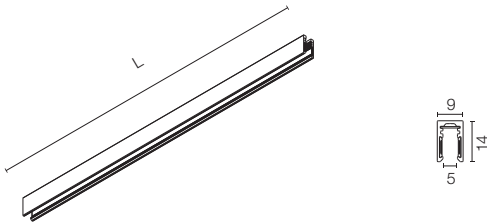
THE MICRO RUNNING MAGNET SURFACE – PROFILES

Profiles

Electromechanical profile of reduced size for installation on surfaces (ceiling or wall) with lengths from 1 to 3 m.
Fastening accessories included with the profiles.
90° corners available in the same plane (symmetrical element for left and right corners).
The inner part of the profile is always supplied in black.

Perfiles

Perfil electro-mecánico de dimensiones mínimas para instalaciones en superficie (techo o pared) con longitudes de 1 m a 3 m.
Accesorios de fijación incluidos en los perfiles.
Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
La parte interior del perfil se suministra siempre en negro.



L: 1 m / 1,5 m / 2m / 2,5m / 3 m

Feed Unit Profiles

L: 1000 mm

06.6010.40
06.6010.14

L: 1500 mm

06.6011.40
06.6011.14

L: 2000 mm

06.6012.40
06.6012.14

L: 2500 mm

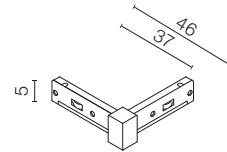
06.6013.40
06.6013.14

L: 3000 mm

06.6014.40
06.6014.14

90° Corner.

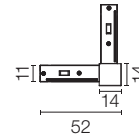
Esquina 90°.



06.6031.40
06.6031.14

Inner corner.

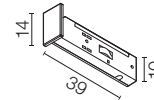
Esquina interior.



06.6033.40
06.6033.14

Feed connector.

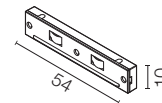
Conector de alimentación.



06.6034.40
06.6034.14

Intermediate connector.

Conector intermedio.



06.6035.14

End cap. 1 unit kit.

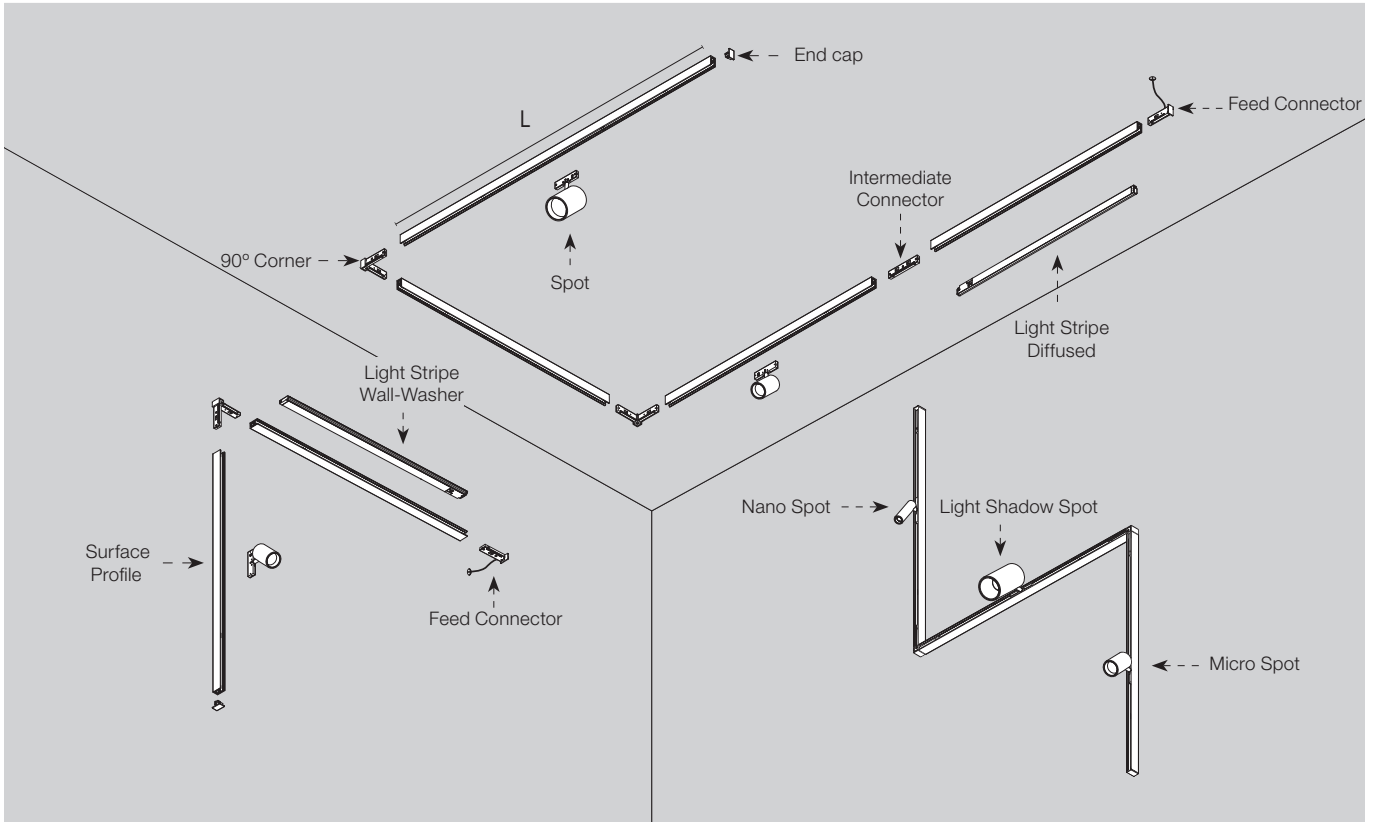
Tapa. Kit de 1 unidad.



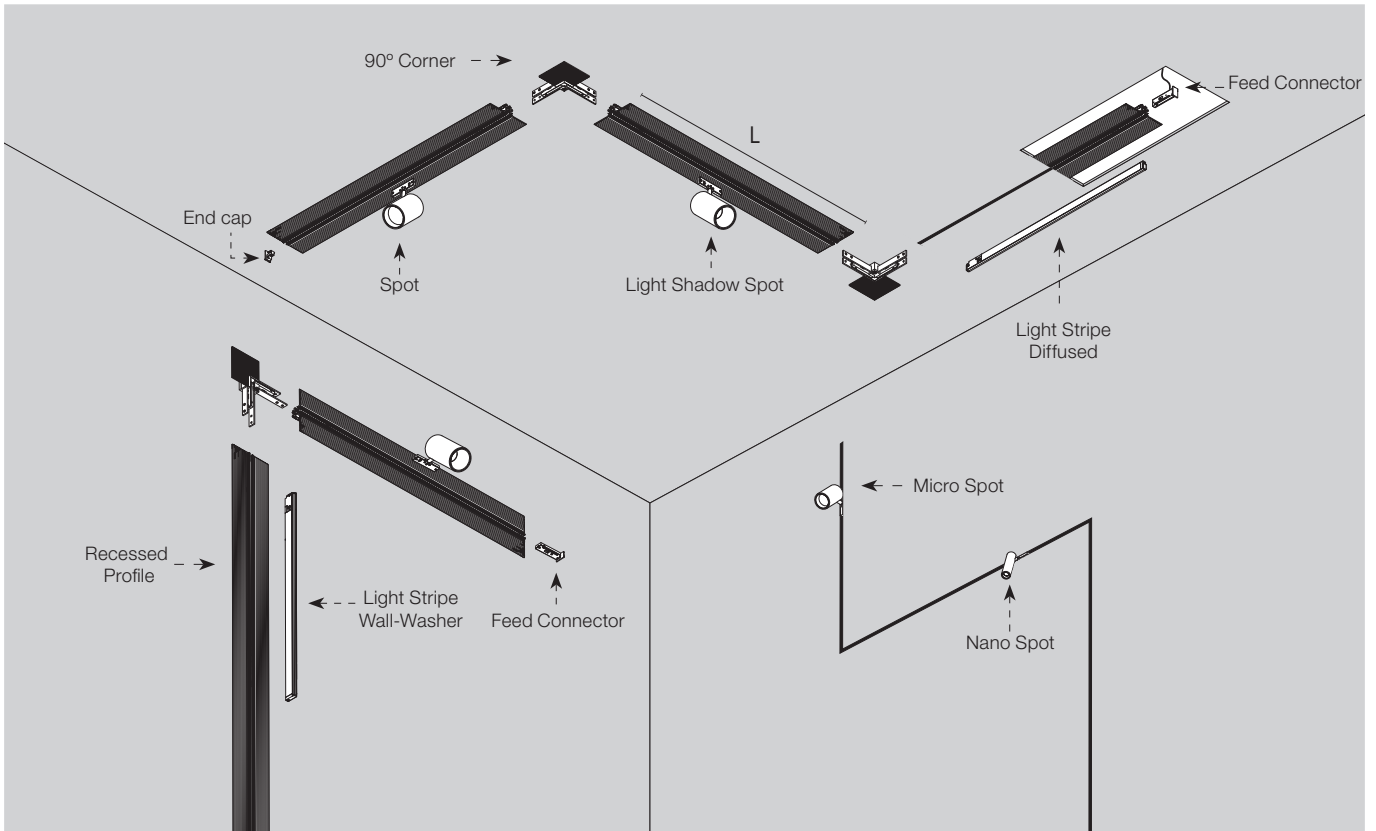
06.6036.40
06.6036.14

THE MICRO RUNNING MAGNET – INSTALLATION PROFILES

SURFACE INSTALLATION



RECESSED INSTALLATION

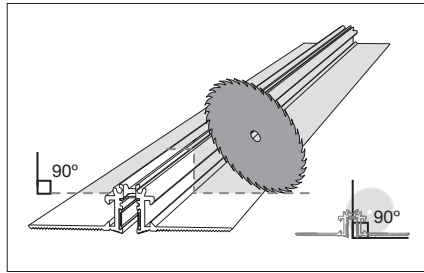


• Can I cut the profiles?

Yes. The profiles can be cut at any point and the electrical connection continued using the intermediate connector.

• ¿Puedo cortar los perfiles?

Sí, los perfiles se pueden cortar en cualquier punto y se continúa la conexión eléctrica con el conector intermedio.



• Can I place a spotlight at the corners?

No. The corner pieces do not have a free hole to house the spotlights. The corner contains the electrical connection as an intermediate connector.

• ¿Puedo ubicar un foco en las esquinas?

No, las piezas de las esquinas no tienen hueco libre para albergar los focos, la esquina contiene la conexión eléctrica a modo de conector intermedio.

• Can I dim the luminaires individually?

No. By using the recommended equipment, they can be adjusted, but all at once.

• ¿Puedo atenuar la luz de las luminarias individualmente?

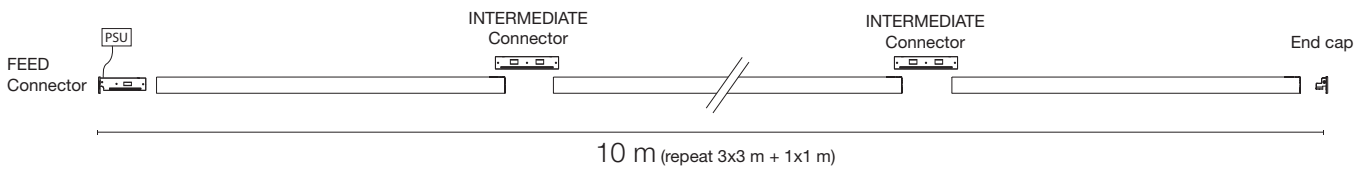
No, utilizando los equipos recomendados es posible regular, pero siempre se regularán todas las luminarias a la vez.

• What is the maximum length that can be powered with one power supply on a structure?

The maximum length of a profile that can be powered with one power source is 10 metres.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?

La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es de 10 metros.



• Can I power a structure from a corner or intermediate connector?

No. The corners and intermediate connector of this system cannot be powered.

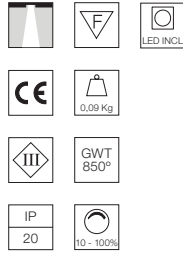
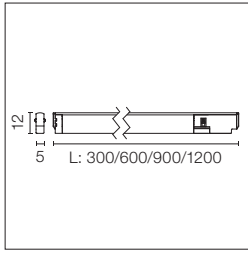
• ¿Puedo alimentar una estructura desde una esquina o conector intermedio?

No, las esquinas y el conector intermedio de este sistema no son alimentables.

THE MICRO RUNNING MAGNET – LIGHT MODULES

Light Stripe Diffused

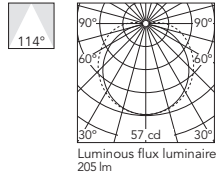
Light Source: Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90



Diffused LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

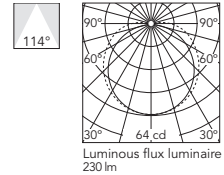
2700K
L: 300 mm
03.2260.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	57	3.11
2	14	6.21
3	6	9.32
4	4	12.43
5	2	15.53

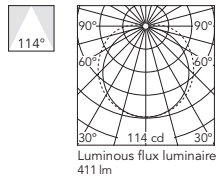
3000K
L: 300 mm
03.2261.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	64	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

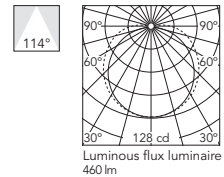
2700K
L: 600 mm
03.2264.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	114	3.11
2	29	6.21
3	13	9.32
4	7	12.43
5	5	15.53

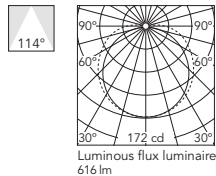
3000K
L: 600 mm
03.2265.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	128	3.11
2	32	6.21
3	14	9.32
4	8	12.43
5	5	15.53

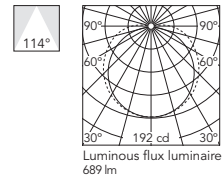
2700K
L: 900 mm
03.2268.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	172	3.11
2	43	6.21
3	19	9.32
4	11	12.43
5	7	15.53

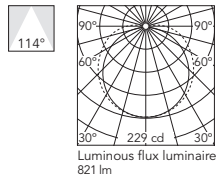
3000K
L: 900 mm
03.2269.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	192	3.11
2	48	6.21
3	21	9.32
4	12	12.43
5	8	15.53

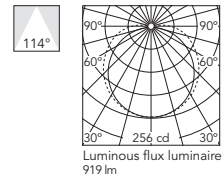
2700K
L: 1200 mm
03.2272.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	229	3.11
2	57	6.21
3	25	9.32
4	14	12.43
5	9	15.53

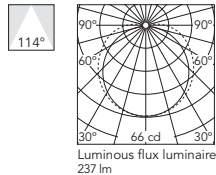
3000K
L: 1200 mm
03.2273.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	256	3.11
2	64	6.21
3	28	9.32
4	16	12.43
5	10	15.53

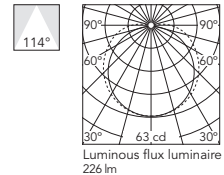
4000K
L: 300 mm
03.2262.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	66	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

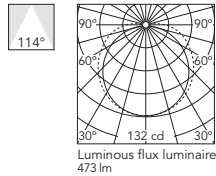
5000K
L: 300 mm
03.2263.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	63	3.11
2	16	6.21
3	7	9.32
4	4	12.43
5	3	15.53

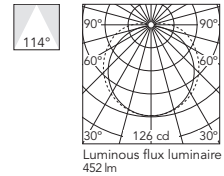
4000K
L: 600 mm
03.2266.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	132	3.11
2	33	6.21
3	15	9.32
4	8	12.43
5	5	15.53

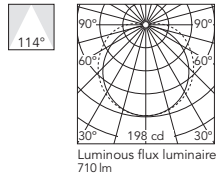
5000K
L: 600 mm
03.2267.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	126	3.11
2	31	6.21
3	14	9.32
4	8	12.43
5	5	15.53

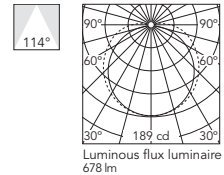
4000K
L: 900 mm
03.2270.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	198	3.11
2	49	6.21
3	22	9.32
4	12	12.43
5	8	15.53

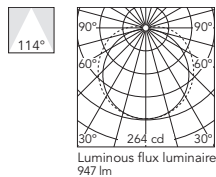
5000K
L: 900 mm
03.2271.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	189	3.11
2	47	6.21
3	21	9.32
4	12	12.43
5	8	15.53

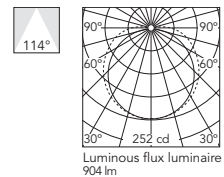
4000K
L: 1200 mm
03.2274.14



Beam Angle: 114°

h(m)	Et(x)	D(m)
1	264	3.11
2	66	6.21
3	29	9.32
4	16	12.43
5	11	15.53

5000K
L: 1200 mm
03.2275.14



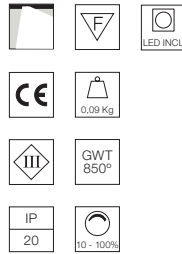
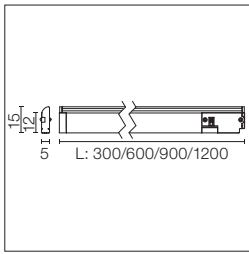
Beam Angle: 114°

h(m)	Et(x)	D(m)
1	252	3.11
2	63	6.21
3	28	9.32
4	16	12.43
5	10	15.53

THE MICRO RUNNING MAGNET – LIGHT MODULES

Light Stripe Wall-Washer

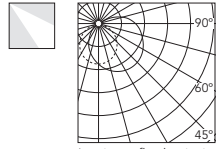
Light Source: Top LED 15W/m - 1440 lm/m - 2700K/CRI 90 / 15W/m - 1550 lm/m - 3000K/CRI 90 / 15W/m - 1660 lm/m - 4000K/CRI 90 / 15W/m -1775 lm/m - 5000K/CRI 90



Asymmetric wall-washer LED light module to be installed in The Micro Running Magnet System. Built-in DC/DC electronic voltage converter.

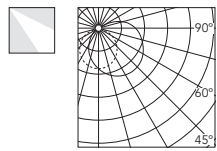
Módulo de iluminación LED de luz asimétrica wall-washer para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

2700K
L: 300 mm
03.2280.14



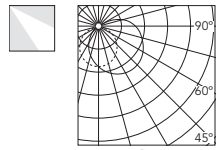
Luminous flux luminaire 185 lm

2700K
L: 600 mm
03.2284.14



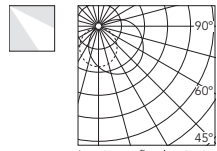
Luminous flux luminaire 370 lm

2700K
L: 900 mm
03.2288.14



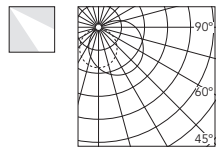
Luminous flux luminaire 555 lm

2700K
L: 1200 mm
03.2292.14



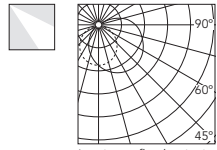
Luminous flux luminaire 740 lm

4000K
L: 300 mm
03.2282.14



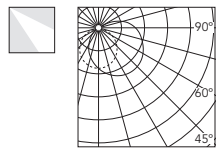
Luminous flux luminaire 213 lm

4000K
L: 600 mm
03.2286.14



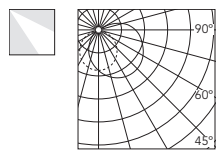
Luminous flux luminaire 427 lm

4000K
L: 900 mm
03.2290.14



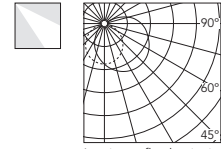
Luminous flux luminaire 640 lm

4000K
L: 1200 mm
03.2294.14



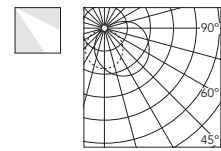
Luminous flux luminaire 853 lm

3000K
L: 300 mm
03.2281.14



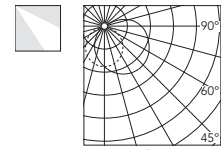
Luminous flux luminaire 207 lm

3000K
L: 600 mm
03.2285.14



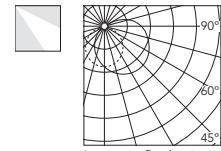
Luminous flux luminaire 414 lm

3000K
L: 900 mm
03.2289.14



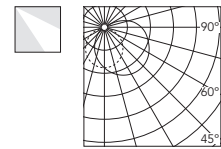
Luminous flux luminaire 621 lm

3000K
L: 1200 mm
03.2293.14



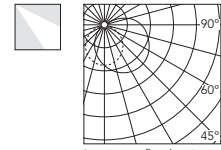
Luminous flux luminaire 829 lm

5000K
L: 300 mm
03.2283.14



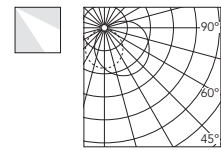
Luminous flux luminaire 204 lm

5000K
L: 600 mm
03.2287.14



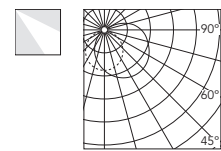
Luminous flux luminaire 408 lm

5000K
L: 900 mm
03.2291.14



Luminous flux luminaire 611 lm

5000K
L: 1200 mm
03.2295.14

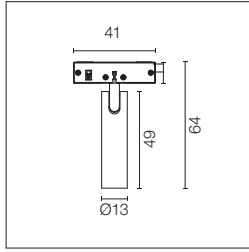


Luminous flux luminaire 815 lm

THE MICRO RUNNING MAGNET – LIGHT MODULES

Nano Spot

Light Source: Power LED 2W - 165 lm - 2700K/CRI 90 / 2W - 170 lm - 3000K/CRI 90 / 2W - 185 lm - 4000K/CRI 90 / 2W -200 lm - 5000K/CRI 90

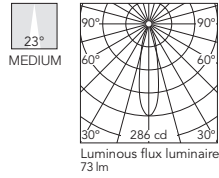


Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

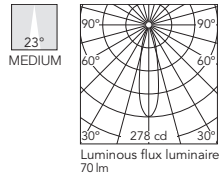
Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Optic Medium 2700K

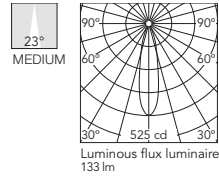
- 03.2210.40
- 03.2210.14



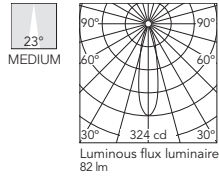
- ### 3000K
- 03.2211.40
 - 03.2211.14



- ### 4000K
- 03.2212.40
 - 03.2212.14

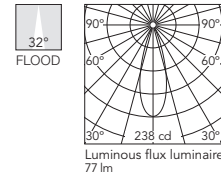


- ### 5000K
- 03.2213.40
 - 03.2213.14

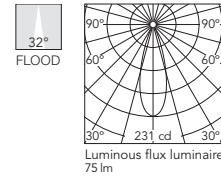


Optic Flood 2700K

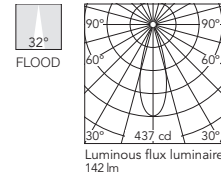
- 03.2215.40
- 03.2215.14



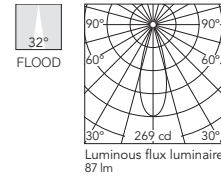
- ### 3000K
- 03.2216.40
 - 03.2216.14



- ### 4000K
- 03.2217.40
 - 03.2217.14



- ### 5000K
- 03.2218.40
 - 03.2218.14

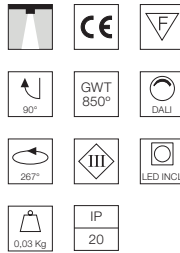
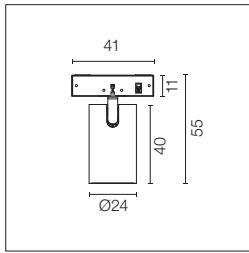


THE MICRO RUNNING MAGNET – LIGHT MODULES

NEW

Micro Spot

Light Source: Power LED 3W - 275 lm - 2700K/CRI 90 / 3W - 295 lm - 3000K/CRI 90 / 3W - 315 lm - 4000K/CRI 90 / 3W - 335 lm - 5000K/CRI 90



Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

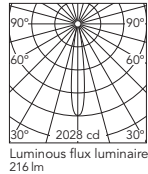
Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Honeycomb accessory available. Must be ordered separately.

Accesorio honeycomb disponible. Se ha de pedir por separado.

Optic Spot 2700K

- 03.2300.40
- 03.2300.14

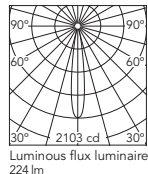


Beam Angle: 16°	h(m)	E(lx)	D(m)
1	2028	0.27	
2	507	0.54	
3	225	0.82	
4	127	1.09	
5	81	1.36	

Luminous flux luminaire 216 lm

3000K

- 03.2301.40
- 03.2301.14

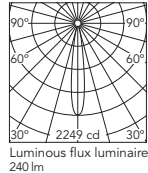


Beam Angle: 16°	h(m)	E(lx)	D(m)
1	2103	0.27	
2	526	0.54	
3	234	0.82	
4	131	1.09	
5	84	1.36	

Luminous flux luminaire 224 lm

4000K

- 03.2302.40
- 03.2302.14

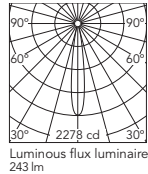


Beam Angle: 16°	h(m)	E(lx)	D(m)
1	2249	0.27	
2	562	0.54	
3	250	0.82	
4	141	1.09	
5	90	1.36	

Luminous flux luminaire 240 lm

5000K

- 03.2303.40
- 03.2303.14

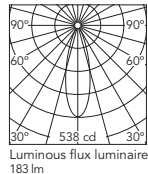


Beam Angle: 16°	h(m)	E(lx)	D(m)
1	2278	0.27	
2	570	0.54	
3	253	0.82	
4	142	1.09	
5	91	1.36	

Luminous flux luminaire 243 lm

Optic Flood 2700K

- 03.2225.40
- 03.2225.14

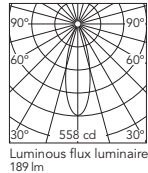


Beam Angle: 30°	h(m)	E(lx)	D(m)
1	538	0.54	
2	134	1.09	
3	60	1.63	
4	34	2.17	
5	22	2.72	

Luminous flux luminaire 183 lm

3000K

- 03.2226.40
- 03.2226.14

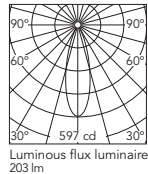


Beam Angle: 30°	h(m)	E(lx)	D(m)
1	558	0.54	
2	139	1.09	
3	62	1.63	
4	35	2.17	
5	22	2.72	

Luminous flux luminaire 189 lm

4000K

- 03.2227.40
- 03.2227.14

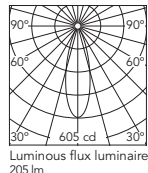


Beam Angle: 30°	h(m)	E(lx)	D(m)
1	597	0.54	
2	149	1.09	
3	66	1.63	
4	37	2.17	
5	24	2.72	

Luminous flux luminaire 203 lm

5000K

- 03.2228.40
- 03.2228.14

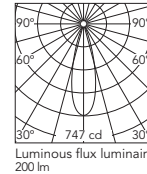


Beam Angle: 30°	h(m)	E(lx)	D(m)
1	605	0.54	
2	151	1.09	
3	67	1.63	
4	38	2.17	
5	24	2.72	

Luminous flux luminaire 205 lm

Optic Medium 2700K

- 03.2220.40
- 03.2220.14

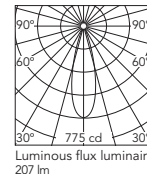


Beam Angle: 29°	h(m)	E(lx)	D(m)
1	747	0.51	
2	187	1.02	
3	83	1.54	
4	47	2.05	
5	30	2.56	

Luminous flux luminaire 200 lm

3000K

- 03.2221.40
- 03.2221.14

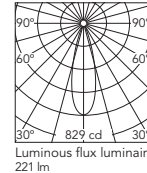


Beam Angle: 29°	h(m)	E(lx)	D(m)
1	775	0.51	
2	194	1.02	
3	86	1.54	
4	48	2.05	
5	31	2.56	

Luminous flux luminaire 207 lm

4000K

- 03.2222.40
- 03.2222.14

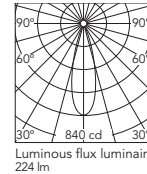


Beam Angle: 29°	h(m)	E(lx)	D(m)
1	829	0.51	
2	207	1.02	
3	92	1.54	
4	52	2.05	
5	33	2.56	

Luminous flux luminaire 221 lm

5000K

- 03.2223.40
- 03.2223.14



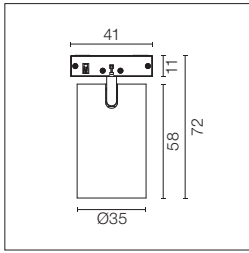
Beam Angle: 29°	h(m)	E(lx)	D(m)
1	840	0.51	
2	210	1.02	
3	93	1.54	
4	52	2.05	
5	34	2.56	

Luminous flux luminaire 224 lm

THE MICRO RUNNING MAGNET – LIGHT MODULES

Spot

Light Source: Power LED 6W - 545 lm - 2700K/CRI 90 / 6W - 585 lm - 3000K/CRI 90 / 6W - 625 lm - 4000K/CRI 90 / 6W - 665 lm - 5000K/CRI 90



Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

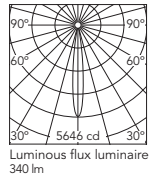
Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

Honeycomb accessory available. Must be ordered separately.

Accesorio honeycomb disponible. Se ha de pedir por separado.

Optic Spot 2700K

- 03.2230.40
- 03.2230.14



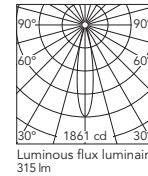
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	5646	0.23
2	1411	0.45
3	627	0.68
4	353	0.90
5	226	1.13

Luminous flux luminaire 340 lm

Optic Medium 2700K

- 03.2235.40
- 03.2235.14



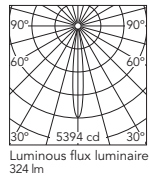
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1861	0.35
2	465	0.71
3	207	1.06
4	116	1.41
5	74	1.77

Luminous flux luminaire 315 lm

3000K

- 03.2231.40
- 03.2231.14



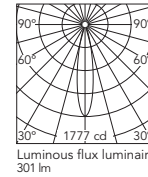
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	5394	0.23
2	1349	0.45
3	599	0.68
4	337	0.90
5	216	1.13

Luminous flux luminaire 324 lm

3000K

- 03.2236.40
- 03.2236.14



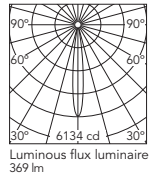
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	1777	0.35
2	444	0.71
3	197	1.06
4	111	1.41
5	71	1.77

Luminous flux luminaire 301 lm

4000K

- 03.2232.40
- 03.2232.14



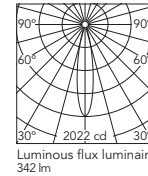
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	6134	0.23
2	1534	0.45
3	682	0.68
4	383	0.90
5	245	1.13

Luminous flux luminaire 369 lm

4000K

- 03.2237.40
- 03.2237.14



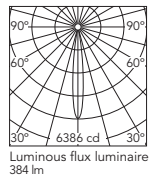
Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2022	0.35
2	505	0.71
3	225	1.06
4	126	1.41
5	81	1.77

Luminous flux luminaire 342 lm

5000K

- 03.2233.40
- 03.2233.14



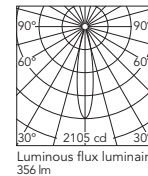
Beam Angle: 13°

h(m)	E(lx)	D(m)
1	6386	0.23
2	1597	0.45
3	710	0.68
4	399	0.90
5	255	1.13

Luminous flux luminaire 384 lm

5000K

- 03.2238.40
- 03.2238.14



Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2105	0.35
2	526	0.71
3	234	1.06
4	132	1.41
5	84	1.77

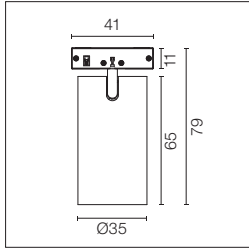
Luminous flux luminaire 356 lm

THE MICRO RUNNING MAGNET – LIGHT MODULES

NEW

Light Shadow Spot

Light Source: Power LED 3W - 270 lm - 2700K/CRI 90 / 3W - 285 lm - 3000K/CRI 90 / 3W - 300 lm - 4000K/CRI 90 / 3W - 320 lm - 5000K/CRI 90

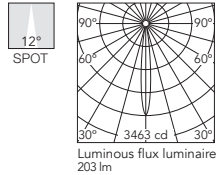


Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter.

Módulo de iluminación LED de acento para ser instalado en el sistema The Micro Running Magnet. Convertidor electrónico de corriente DC/DC incorporado.

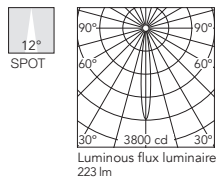
Optic Spot 2700K

- 03.2240.40
- 03.2240.14



Beam Angle: 12°

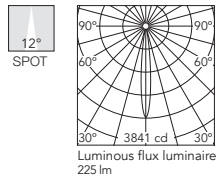
h(m)	E(lx)	D(m)
1	346.3	0.21
2	86.6	0.42
3	38.5	0.63
4	21.6	0.84
5	13.9	1.05



Beam Angle: 12°

h(m)	E(lx)	D(m)
1	380.0	0.21
2	95.0	0.42
3	42.2	0.63
4	23.7	0.84
5	15.2	1.05

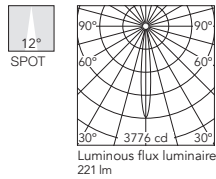
- ### 3000K
- 03.2241.40
 - 03.2241.14



Beam Angle: 12°

h(m)	E(lx)	D(m)
1	384.1	0.21
2	96.0	0.42
3	42.7	0.63
4	24.0	0.84
5	15.4	1.05

- ### 4000K
- 03.2242.40
 - 03.2242.14



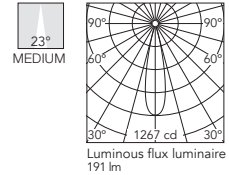
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	377.6	0.21
2	94.4	0.42
3	42.0	0.63
4	23.6	0.84
5	15.1	1.05

- ### 5000K
- 03.2243.40
 - 03.2243.14

Optic Medium 2700K

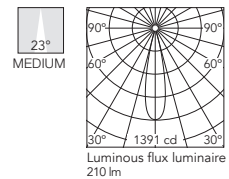
- 03.2245.40
- 03.2245.14



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	126.7	0.40
2	31.7	0.80
3	14.1	1.20
4	7.9	1.60
5	5.1	2.00

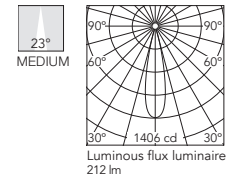
- ### 3000K
- 03.2246.40
 - 03.2246.14



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	139.1	0.40
2	34.8	0.80
3	15.5	1.20
4	8.7	1.60
5	5.6	2.00

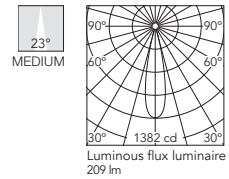
- ### 4000K
- 03.2247.40
 - 03.2247.14



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	140.6	0.40
2	35.1	0.80
3	15.6	1.20
4	8.8	1.60
5	5.6	2.00

- ### 5000K
- 03.2248.40
 - 03.2248.14

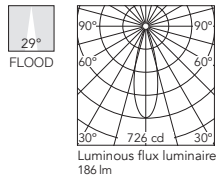


Beam Angle: 23°

h(m)	E(lx)	D(m)
1	138.2	0.40
2	34.5	0.80
3	15.4	1.20
4	8.6	1.60
5	5.5	2.00

Optic Flood 2700K

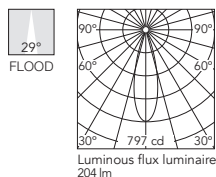
- 03.2250.40
- 03.2250.14



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	72.6	0.51
2	18.2	1.03
3	8.1	1.54
4	4.5	2.05
5	2.9	2.57

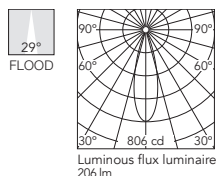
- ### 3000K
- 03.2251.40
 - 03.2251.14



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	79.7	0.51
2	19.9	1.03
3	8.9	1.54
4	5.0	2.05
5	3.2	2.57

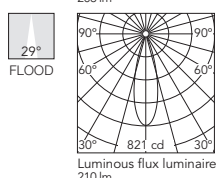
- ### 4000K
- 03.2252.40
 - 03.2252.14



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	80.6	0.51
2	20.1	1.03
3	9.0	1.54
4	5.0	2.05
5	3.2	2.57

- ### 5000K
- 03.2253.40
 - 03.2253.14

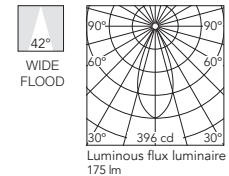


Beam Angle: 29°

h(m)	E(lx)	D(m)
1	82.1	0.51
2	20.5	1.03
3	9.1	1.54
4	5.1	2.05
5	3.3	2.57

Optic Wide Flood 2700K

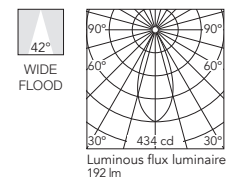
- 03.2255.40
- 03.2255.14



Beam Angle: 42°

h(m)	E(lx)	D(m)
1	39.6	0.77
2	9.9	1.53
3	4.4	2.30
4	2.5	3.07
5	1.6	3.83

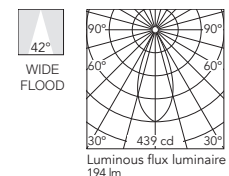
- ### 3000K
- 03.2256.40
 - 03.2256.14



Beam Angle: 42°

h(m)	E(lx)	D(m)
1	43.4	0.77
2	10.8	1.53
3	4.8	2.30
4	2.7	3.07
5	1.7	3.83

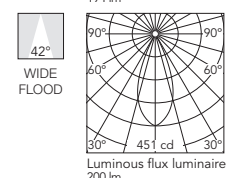
- ### 4000K
- 03.2257.40
 - 03.2257.14



Beam Angle: 42°

h(m)	E(lx)	D(m)
1	43.9	0.77
2	11.0	1.53
3	4.9	2.30
4	2.7	3.07
5	1.8	3.83

- ### 5000K
- 03.2258.40
 - 03.2258.14



Beam Angle: 42°

h(m)	E(lx)	D(m)
1	45.1	0.77
2	11.3	1.53
3	5.0	2.30
4	2.8	3.07
5	1.8	3.83

THE MICRO RUNNING MAGNET

Accessories / Accesorios

Micro Spot

Honeycomb.

Honeycomb.



08.0190.14

Spot

Honeycomb.

Honeycomb.



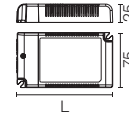
08.0191.14

Drivers / Equipos

Remote Installation

Remote power supply.
Dimmable through 1/10V protocol or
Non Dimmable.
Dimming range 20-100%.

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V
o No Dimable.
Rango de regulación 20-100%.

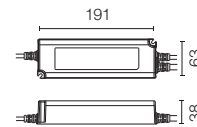


25W 110/240V – L:110
60.9359
45W 110/240V – L:120
60.9360
57W 220/240V – L:130
60.9361

Remote Installation

Remote power supply.
Dimmable through 1/10V protocol.
Dimming range 20-100%.

Fuente de alimentación remota.
Dimable mediante protocolo 1/10V.
Rango de regulación 20-100%.



120W 110*/240V
60.9416

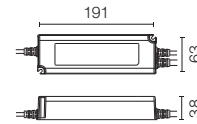
*UL max 100W

DALI

Remote Installation

Remote power supply.
Dimmable through DALI protocol.
Dimming range 10-100%.

Fuente de alimentación remota.
Dimable mediante protocolo DALI.
Rango de regulación 10-100%.



120W 110*/240V
60.9426

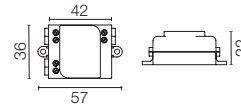
*UL max 100W

Casambi

Remote Installation

Casambi controller 220-240V.
It is recommended to adjust the
minimum level of regulation to 5%.
Requires 1-10V or Dali driver. It must
be ordered separately.
Dimming range 20-100%.

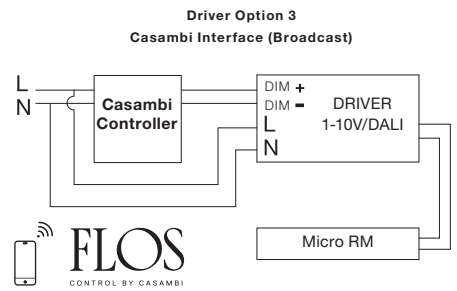
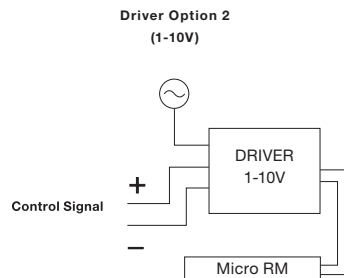
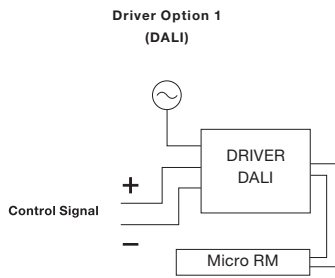
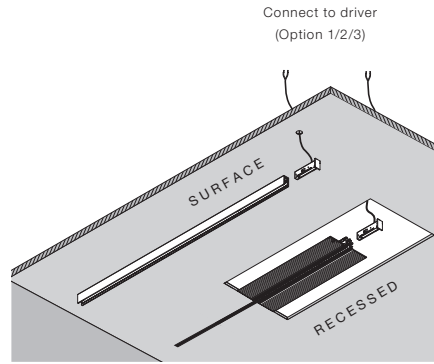
Controlador Casambi 220-240V.
Se recomienda ajustar el nivel
mínimo de regulación al 5%.
Requiere driver 1-10V o Dali, pedir
por separado.
Rango de regulación 20-100%.



60.9392

THE MICRO RUNNING MAGNET

Remote Driver Installations - Broadcast



THE RUNNING MAGNET

DESIGNED BY FLOS ARCHITECTURAL



Recessed Profiles

■ 14 Black
■ 14 Negro

Surface/Suspension Profiles

□ 40 White
□ 40 Blanco

■ 14 Black
■ 14 Negro

LIGHT MODULES

<p>LIGHT STRIPE</p>  <p>■</p> <p>LIGHT SOURCE TOP LED 25W/m 2060 lm/m 2700K/CRI 90 2178 lm/m 3000K/CRI 90</p>	<p>SPOT MODULE</p>  <p>■</p> <p>LIGHT SOURCE POWER LED 8W 560 lm 2700K/CRI 90 600 lm 3000K/CRI 90</p>	<p>SPOT 120</p>  <p>■ □</p> <p>LIGHT SOURCE POWER LED 12,5W/14W DALI 985 lm 2700K/CRI 90 1060 lm 3000K/CRI 90</p>	<p>MULTI SPOT 4</p>  <p>■</p> <p>LIGHT SOURCE POWER LED 10W 4x226 lm 2700K/CRI 90 4x240 lm 3000K/CRI 90</p>	<p>LIGHT SHADOW</p>  <p>■ □</p> <p>LIGHT SOURCE POWER LED 10,8W 4x270 lm 2700K/CRI 90 4x285 lm 3000K/CRI 90</p>
<p>LIGHT SHADOW W-W</p>  <p>■ □</p> <p>LIGHT SOURCE POWER LED 10,8W 4x270 lm 2700K/CRI 90 4x285 lm 3000K/CRI 90</p>	<p>STRING LIGHT</p>  <p>■</p> <p>LIGHT SOURCE POWER LED 16W 1310 lm 2700K/CRI 90 1404 lm 3000K/CRI 90</p>	<p>MINI GLO-BALL</p>  <p>■</p> <p>LIGHT SOURCE POWER LED 3,5/7W 2700K/CRI 80 3000K/CRI 80</p>	<p>FIND ME SUSPENSION</p>  <p>■ □</p> <p>LIGHT SOURCE POWER LED 8W 560 lm 2700K/CRI 90 600 lm 3000K/CRI 90</p>	<p>ANTHONY SPOT TRACK</p>  <p>■ □</p> <p>LIGHT SOURCE POWER LED 16W 1310 lm 2700K/CRI 90 1404 lm 3000K/CRI 90</p>



Light Stripe



Spot



Surface



Suspension



Recessed
Flos Kit
Installation



Recessed
Conventional
Installation

THE RUNNING MAGNET

Description

Innovative lighting system for indoor use, for surface, suspended or recessed mounting on plasterboard walls or ceilings, comprising a series of magnetic tracks that house the LED lighting modules.

The profile of all The Running Magnet structural tracks is extruded aluminum, painted black or white, housing a graphite electric track fed at 24V, on which all magnetic luminaires are installed simply by insertion.

Suspended track is also available with the option of indirect lighting.

The Running Magnet family is completed with ambient lighting units and accent units with different optics, as well as a selection of decorative luminaires taken and adapted from FLOS Home Collection.

The lighting modules incorporate a magnetic mounting system for total mobility and flexibility. All light modules are available with on board potentiometer, DALI dimmable option and Casambi.

Control

- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.
- To manage using Casambi (Max. 200 luminaires) it is necessary to order fixtures in the Casambi version, these are compatible with all profiles available for the system. The app FLOS Control® powered by Casambi for mobile devices is also necessary (available on Apple Store and Google Play).

Optic system

The accent light module is available with intensive optics (spot lens) and extensive optics (narrow and wide narrow lens).

Power Supply

Remote 24V power supply not included.

Accessories

- Different lenses for Spot Module and Multi Spot 4.
- Screening external ring for Spot Module.
- Elliptical, flood lens and honeycomb for Anthony Spot Track.
- Honeycomb and crosspiece included in Spot 120.

Additional Information

The Recessed version can only be installed on 12.5 mm thick plasterboard surfaces.

The Running Magnet 2.0 is a 24V electrical system limited to a maximum power current of 8A and 185W to avoid overloads.

After every 185W make a new connection with a feed unit profile.

In the Up&Down version indirect illumination and the electromechanical track are powered independently. IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Innovador sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso. Compuesto por perfilera magnética donde se posicionan, mediante sistema de fijación magnética, módulos de iluminación.

Todos los perfiles estructurales de Running Magnet han sido fabricados con perfilera de aluminio extruido en blanco y negro, provisto de pistas eléctricas de grafito alimentadas a 24V, sobre las cuales se instalan mediante un sistema de fijación magnética las luminarias LED.

La versión suspendida también está disponible para luz indirecta.

La familia The Running Magnet se completa con módulos de iluminación ambiental y de acento con diferentes ópticas además de una selección de luminarias decorativas extraídas y adaptadas de FLOS Home Collection.

Los módulos de iluminación incorporan un sistema de fijación magnética que permite una completa movilidad y flexibilidad. Todos los módulos de luz disponen de un potenciómetro instalado, regulación DALI o Casambi según se desee.

Control

- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.
- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema. Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Sistema Óptico

El módulo de luz de acento se encuentra disponible con óptica intensiva (spot lens) y con ópticas extensivas (narrow y wide narrow lens).

Unidades de Alimentación

Fuente de alimentación remota de 24V no incluida.

Accesorios

- Diferentes lentes para Spot Module y Multi Spot 4.
- Aro exterior apantallador para Spot Module.
- Lente elíptica, flood y honeycomb para Anthony Spot track.
- Honeycomb y cruceta incluidos en Spot 120.

Información Adicional

Únicamente instalable en superficies de cartón yeso de 12,5mm de espesor para la versión Recessed.

The Running Magnet es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 8A y 185W para evitar sobrecargas.

Cada vez que completemos los 185W deberemos realizar nuevamente la conexión mediante un perfil de alimentación.

En la versión Up&Down la iluminación indirecta y el Perfil electro-mecánico tienen alimentaciones independientes. Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI

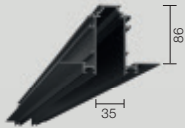


HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

RECESSED PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap



Included with feed profile

90° Corner



Electrical / mechanical joint

Inner corner



Electrical / mechanical joint

Outer corner



Electrical / mechanical joint



Recessed installation

Accessories

Fixed ceiling kit

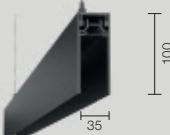
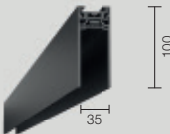


Adjustable ceiling kit



or

SURFACE/SUSPENSION DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap



Included with feed profile

90° Corner



Electrical / mechanical joint

Inner corner



Electrical / mechanical joint



Surface installation



Suspension Down installation

Accessories

Fixed ceiling kit (Included)



Suspension kit



+



Included with profile

Surface rose



or

Recessed rose



SUSPENSION UP&DOWN PROFILE



L: 1 / 1,5 / 2 / 2,5 / 3 m

End cap



Included with feed profile

90° Corner



Electrical / mechanical joint



Suspension Up&Down installation

Accessories

Intermediate suspension kit



+



Included with profile

Surface rose



or

Recessed rose



THE RUNNING MAGNET

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation

Remote power supply



(select the driver with the appropriate power according to the needs of your project)

Surface installation

Remote power supply



Non Dimmable / Dali / Casambi

(select the driver with the appropriate power according to the needs of your project)

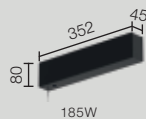
Suspension Down installation

Remote power supply



(select the driver with the appropriate power according to the needs of your project)

Surface power supply



185W

Non Dimmable / Dali / Casambi

Suspension Up&Down installation

Remote power supply

Surface power supply

Down instal.

Up instal.

Down instal.

Up instal.

Non Dim / Casambi



(select the driver with the appropriate power according to the needs of your project)



185W

Dali



60W / 120W

or



200W

(select the driver with the appropriate power according to the needs of your project)



60W / 120W

(select the driver with the appropriate power according to the needs of your project)



185W

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Non Dimmable / Dali / Casambi

Light Stripe



Spot Module



Spot 120



Multi Spot 4



Light Shadow



Light shadow W-W



String Light



Mini Glo-Ball



Find Me Suspension



Anthony Spot Track



THE RUNNING MAGNET RECESSED – PROFILES

Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls.

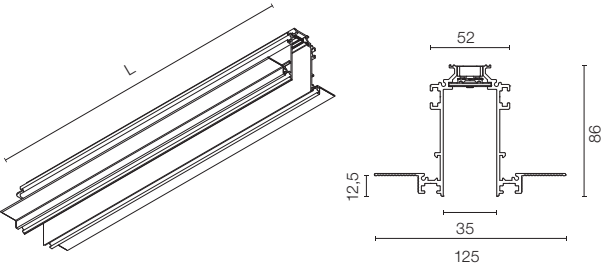
Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m. Covers included with the power feed profiles.

90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.

For connection to the driver.

Permanent or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminium fastening profiles.

Recommended for installations where the Running Magnet cannot be installed before the suspended plasterboard ceiling.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso.

Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m. Tapas incluidas en los perfiles de alimentación.

Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior. Provistos para conexión a driver.

Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción.

Recomendado para instalaciones en las que se puede instalar el perfil Running Magnet antes que el falso techo de cartón yeso.

Feed Unit Profiles

L: 1000 mm

■ 06.1638.14

L: 1500 mm

■ 06.1639.14

L: 2000 mm

■ 06.1640.14

L: 2500 mm

■ 06.1641.14

L: 3000 mm

■ 06.1642.14

Intermediate Profiles

L: 1000 mm

■ 06.1643.14

L: 1500 mm

■ 06.1644.14

L: 2000 mm

■ 06.1645.14

L: 2500 mm

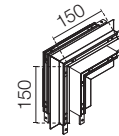
■ 06.1646.14

L: 3000 mm

■ 06.1647.14

90° Corner.

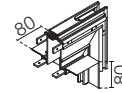
Esquina 90°.



■ 06.1648.14

Inner corner.

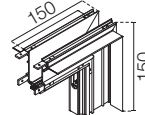
Esquina interior.



■ 06.1650.14

Outer corner.

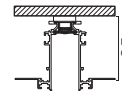
Esquina exterior.



■ 06.1651.14

Fixed ceiling kit (optional).
2 unit kit.

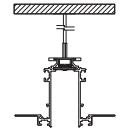
Kit de sujeción a techo fijo
(opcional). Kit de 2 unidades.



■ 08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable
(opcional). Kit de 2 unidades.



■ 08.8867.14

Profile (mm)	Quantities Ceiling Kit (units)
1000 / 1500	2
2000 / 2500	3
3000	4

The installation minimum height can not exceed 121mm.
La altura mínima de empotramiento es 121 mm.

End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



■ 08.8865.14A

THE RUNNING MAGNET SURFACE – PROFILES

Profiles

Electromechanical profile for surface-mounting.

Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.

Covers included with the power feed profiles. Attachment accessories included with all products.

90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane, for the Surface and Down versions. For connection to the driver.

The inner part of the profile is always supplied in black.

Perfiles

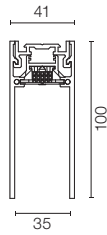
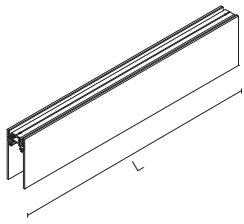
Perfil electro-mecánico para instalaciones en superficie.

Perfiles lineales disponibles en dos versiones: perfil de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.

Tapas incluidas en los perfiles de alimentación. Accesorios de fijación incluidos en todos los productos.

Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior, comunes en versiones Surface y Down. Provistos para conexión a driver.

La parte interior del perfil se suministra siempre en negro.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Feed Unit Profiles

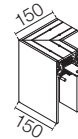
L: 1000 mm
☐ 06.1600.40
■ 06.1600.14
L: 1500 mm
☐ 06.1601.40
■ 06.1601.14
L: 2000 mm
☐ 06.1602.40
■ 06.1602.14
L: 2500 mm
☐ 06.1603.40
■ 06.1603.14
L: 3000 mm
☐ 06.1604.40
■ 06.1604.14

Intermediate Profiles

L: 1000 mm
☐ 06.1605.40
■ 06.1605.14
L: 1500 mm
☐ 06.1606.40
■ 06.1606.14
L: 2000 mm
☐ 06.1607.40
■ 06.1607.14
L: 2500 mm
☐ 06.1608.40
■ 06.1608.14
L: 3000 mm
☐ 06.1609.40
■ 06.1609.14

90° Corner. Can be powered.

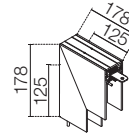
Esquina 90°. Alimentable.



☐ 06.1610.40
■ 06.1610.14

Inner corner.

Esquina interior.



☐ 06.1612.40
■ 06.1612.14

End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.

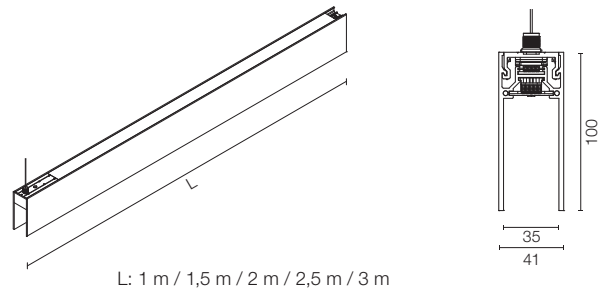


☐ 08.8887.40A
■ 08.8887.14A

THE RUNNING MAGNET SUSPENSION UP&DOWN – PROFILES

Profiles

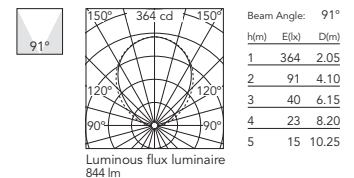
Electromechanical profile for suspended installations. Linear elements in the Up&Down version include indirect LED illumination in the upper part of the profile. Shared or separate power feed. Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m. Covers included with the power feed profiles. Ceiling connection (4.2 m feed cable) and suspension (4m steel cable) accessories included in all linear feed or intermediate products. 90° corners in the same plane (symmetrical element for right and left corners). Not provided for connection to the driver. The corners of the Suspended Running Magnet versions are not fitted with indirect illumination. Indirect illumination can be managed as a separate circuit if powered by a dedicated driver and, in the case of the DALI installation, if equipped with a dedicated optional DALI controller. To be ordered separately. Profiles cannot be cut. The inner part of the profile is always supplied in black.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Perfiles

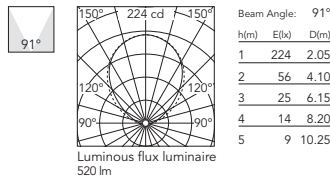
Perfil electro-mecánico para instalaciones suspendidas. Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil. Pueden alimentarse con alimentación común o independiente. Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m. Tapas incluidas en los perfiles de alimentación. Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios. Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha). No provistos para conexión a driver. Las esquinas de las versiones Suspendidas del Running Magnet no incorporan iluminación indirecta. La iluminación indirecta puede ser controlada como un circuito separado si se alimenta con un equipo especial y, en el caso de una instalación DALI, equipada con un equipo opcional de control DALI se debe pedir por separado. Los perfiles no se pueden cortar. La parte interior del perfil se suministra siempre en negro.



Light Source: Top LED 8,4W/m Up - 950 lm/m Up - 3000K/CRI 90

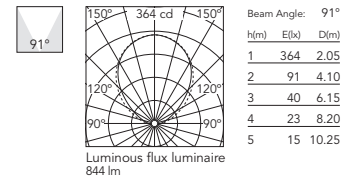
Feed Unit Profiles

L: 1000 mm
 06.1614.40A
 06.1614.14A

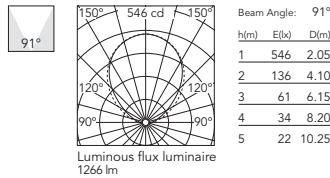


Intermediate Profiles

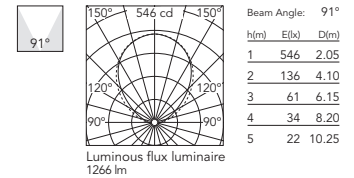
L: 1000 mm
 06.1619.40A
 06.1619.14A



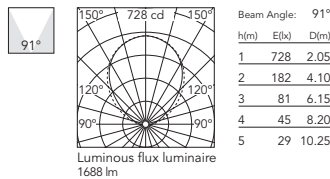
L: 1500 mm
 06.1615.40A
 06.1615.14A



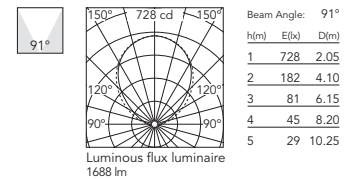
L: 1500 mm
 06.1620.40A
 06.1620.14A



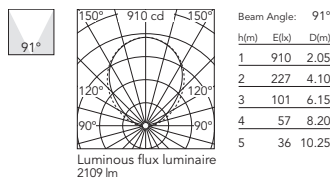
L: 2000 mm
 06.1616.40A
 06.1616.14A



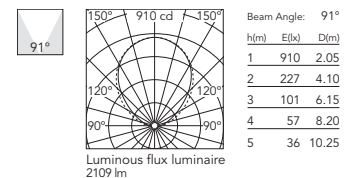
L: 2000 mm
 06.1621.40A
 06.1621.14A



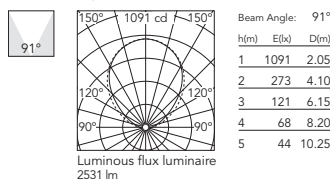
L: 2500 mm
 06.1617.40A
 06.1617.14A



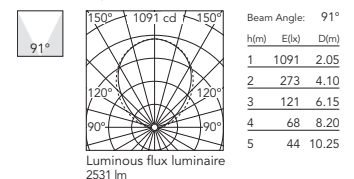
L: 2500 mm
 06.1622.40A
 06.1622.14A



L: 3000 mm
 06.1618.40A
 06.1618.14A



L: 3000 mm
 06.1623.40A
 06.1623.14A



90° Corner.
 Cannot be powered. Includes
 1 cable suspension kit.

Esquina 90°.
 No alimentable. Incluye 1 kit de
 suspensión con cable.

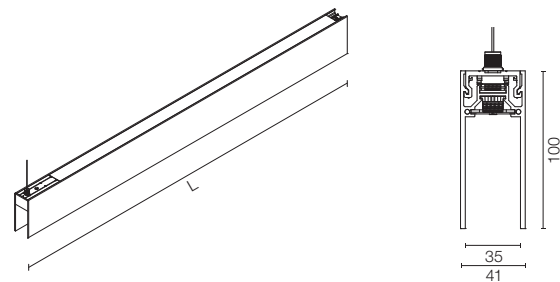


06.1624.40
 06.1624.14

THE RUNNING MAGNET SUSPENSION DOWN – PROFILES

Profiles

Electromechanical profile for suspended installations.
 Linear profiles available in two versions: power feed profiles for connecting to a driver, and intermediate profiles. Both versions available in lengths from 1 m to 3 m.
 Covers included with the power feed profiles.
 Ceiling connection (4.2 m feed cable) and suspension (4 m steel cable) accessories included in all linear feed or intermediate products. 90° corners in the same plane (symmetrical element for right and left corners) for the Surface and Down versions. Provided for connection to the driver.
 The inner part of the profile is always supplied in black.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
 Perfiles lineales disponibles en dos versiones: perfiles de alimentación, para conexión a driver, y perfiles intermedios. Ambas versiones con longitudes de 1 m a 3 m.
 Tapas incluidas en los perfiles de alimentación.
 Accesorios para conexión (cable alimentación 4,2 m) y suspensión (cable de acero 4 m) a techo incluidos en todos los productos lineales de alimentación o intermedios.
 Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), comunes en versiones Surface y Down.
 Provistos para conexión a driver.
 La parte interior del perfil se suministra siempre en negro.

Feed Unit Profiles

L: 1000 mm	
☐	06.1626.40
■	06.1626.14
L: 1500 mm	
☐	06.1627.40
■	06.1627.14
L: 2000 mm	
☐	06.1628.40
■	06.1628.14
L: 2500 mm	
☐	06.1629.40
■	06.1629.14
L: 3000 mm	
☐	06.1630.40
■	06.1630.14

Intermediate Profiles

L: 1000 mm	
☐	06.1631.40
■	06.1631.14
L: 1500 mm	
☐	06.1632.40
■	06.1632.14
L: 2000 mm	
☐	06.1633.40
■	06.1633.14
L: 2500 mm	
☐	06.1634.40
■	06.1634.14
L: 3000 mm	
☐	06.1635.40
■	06.1635.14

90° Corner.

Cannot be powered. Includes 1 cable suspension kit.

Can be powered. Includes 2 cable suspension kits.

Esquina 90°.

No alimentable. Incluye 1 kit de suspensión con cable.

Alimentable. Incluye 2 kits de suspensión con cable.



Cannot be powered

☐	06.1657.40
■	06.1657.14

Can be powered

☐	06.1656.40
■	06.1656.14

The Running Magnet Suspension Up&Down / Down

End caps come complete with all the feed unit profiles. These should only be ordered separately if the installation is exclusively composed of intermediate profiles and fed by corners.

Las tapas van incluidas con todos los perfiles de alimentación. Se deben pedir por separado, solo si la instalación está compuesta por perfiles intermedios y alimentada en las esquinas, exclusivamente.



☐	08.8887.40A
■	08.8887.14A

Down grid structures (square or rectangle shapes) / Para estructuras cerradas (cuadrados o rectángulos)

Corner 90° Grid.
 Corner to build grid structures perfectly closed. Feed unit.
 Dimensions 153x153.

Esquina 90° para estructuras en cuadrículas.
 Esquina para la construcción de estructuras en cuadrícula perfectamente cerradas.
 Alimentable. Dimensiones 153x153.



■	06.1740.14
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T-Joint Grid Down.
 T piece to build grid structures perfectly closed. Feed unit.
 Dimensions 265x153.

Unión en T para estructuras en cuadrículas.
 Pieza en forma de T, para la construcción de estructuras en cuadrícula perfectamente cerradas.
 Alimentable. Dimensiones 265x153.



■	06.1741.14
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X-Joint Grid Down.
 Cross piece to build grid structures perfectly closed. Feed unit.
 Dimensions 265x265.

Unión en cruz para estructuras en cuadrículas.
 Pieza en forma de cruz, para la construcción de estructuras en cuadrícula perfectamente cerradas.
 Alimentable. Dimensiones 265x265.



■	06.1742.14
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THE RUNNING MAGNET SUSPENSION

Accessories / Accesorios

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.

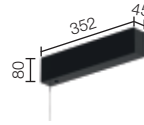
Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.



08.8883.40A
08.8883.14A

Surface power supply for direct and indirect lighting with housing for the driver. 24V/185W - 110/240V equipment included. Cables not included.

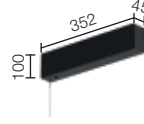
Caja de alimentación de superficie tanto para luz directa como luz indirecta con alojamiento para driver. Equipo 24V/185W - 110/240V incluido. Cables no incluidos.



08.8886.40
08.8886.14

DALI controller and 24V/185W - 110/240V equipment to supply and control both the direct and indirect lighting, included. Cables not included.

Controlador DALI y equipo 24V/185W - 110/240V para alimentar y controlar tanto la iluminación directa como la indirecta, incluido. Cables no incluidos.



08.8886.40.DA
08.8886.14.DA

Recessed power supply rose. Equipment not included. To be ordered separately.

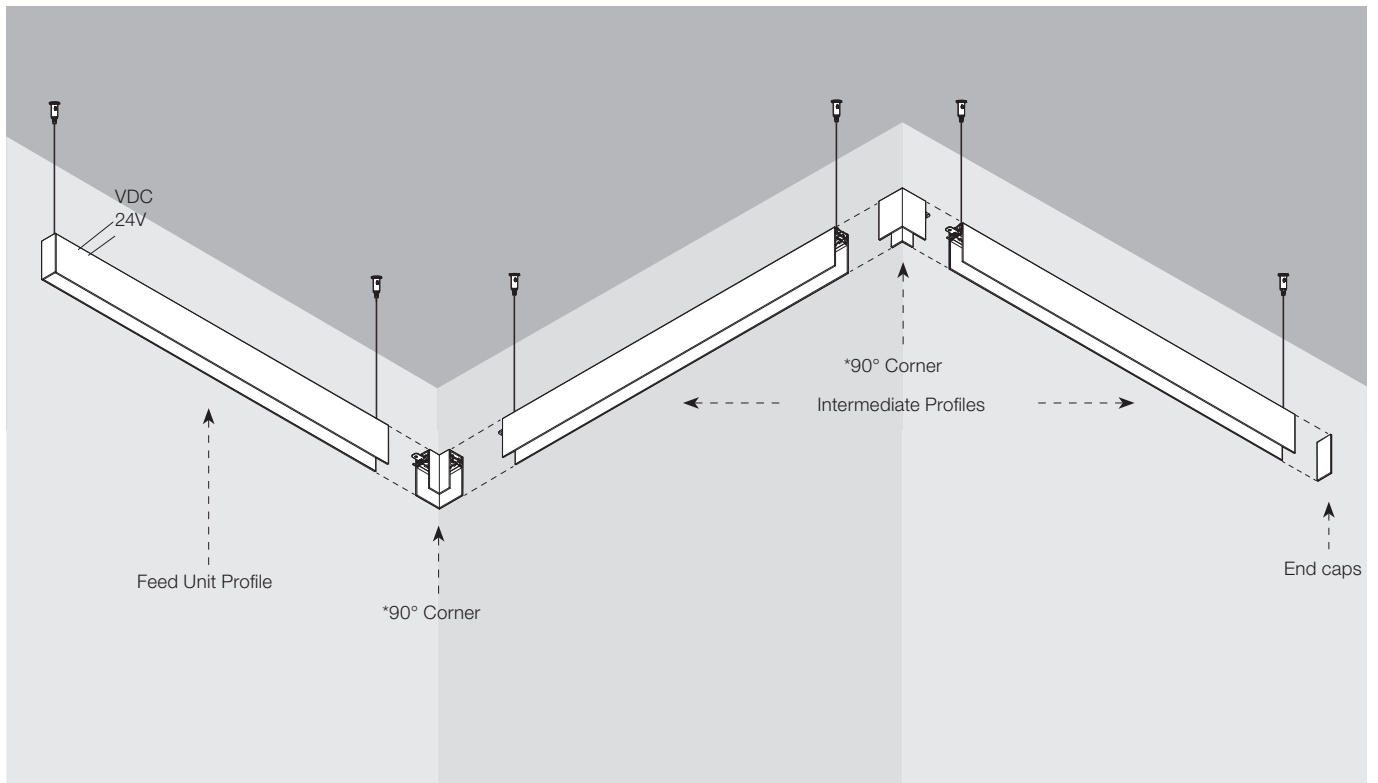
Rosetón de alimentación empotrado. Equipo no incluido, pedir por separado.



08.8889.40
08.8889.14

THE RUNNING MAGNET – INSTALLATION PROFILES

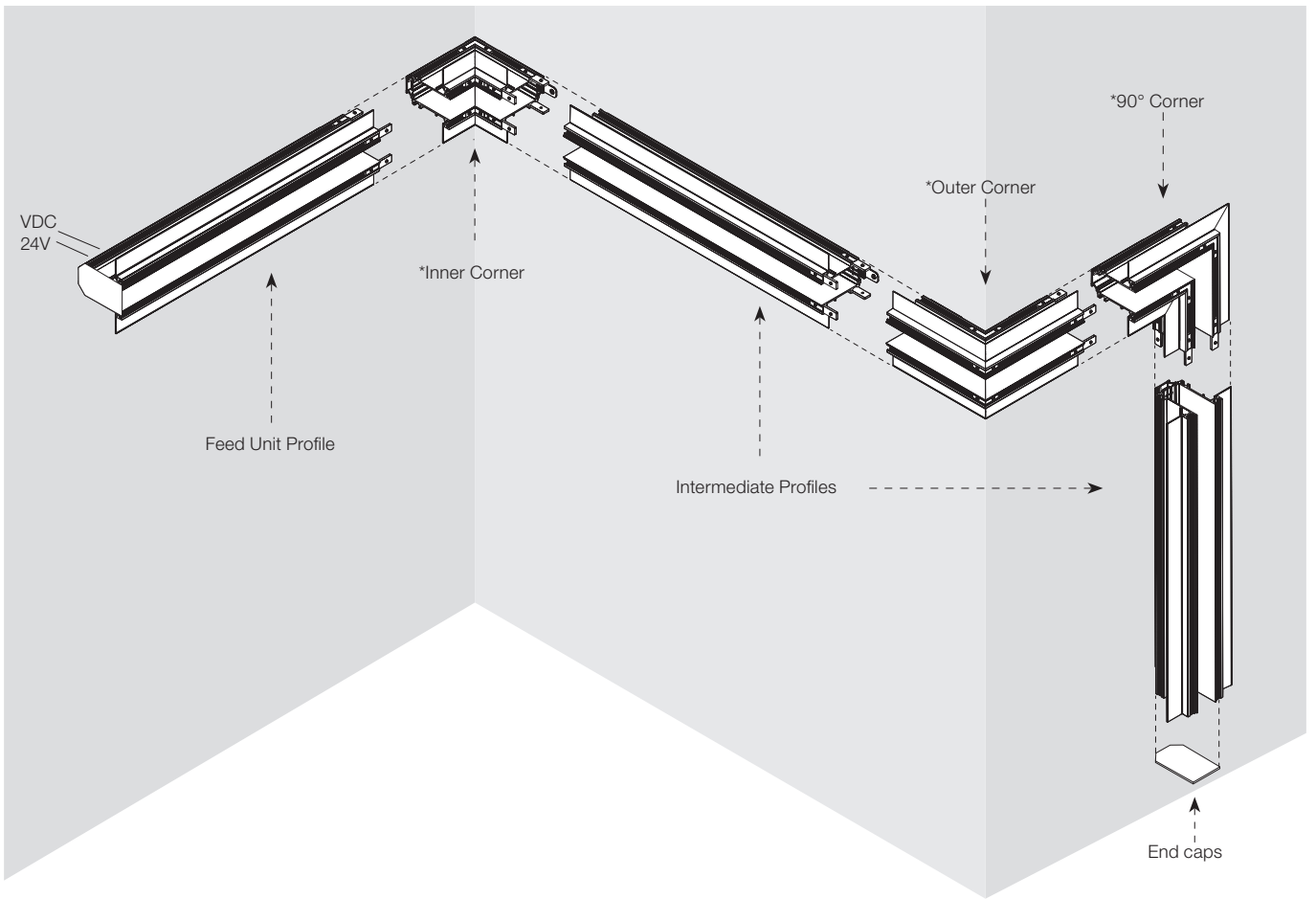
SUSPENSION INSTALLATION



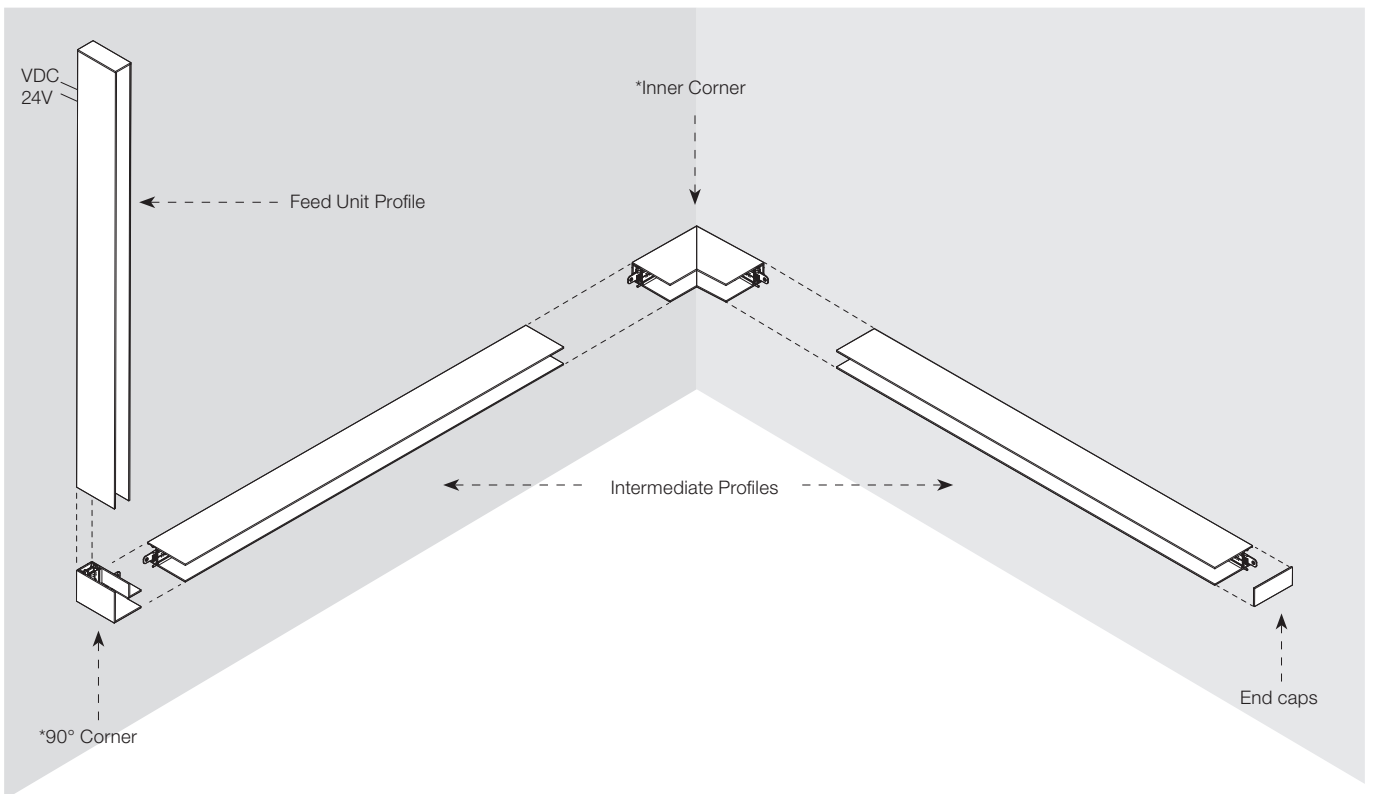
* Corners provided to feed the structure, only in the DOWN version / Esquinas provistas para alimentar la estructura, solo en versión DOWN.

THE RUNNING MAGNET – INSTALLATION PROFILES

RECESSED INSTALLATION



SURFACE INSTALLATION



* Corners provided to feed the structure / Esquinas provistas para alimentar la estructura.

THE RUNNING MAGNET – FAQ

• Can I feed a structure directly from a corner without using a feed unit profile?

Yes, corners are prepared to feed a structure in both directions without the need for a feed unit profile. Simply remember that you'll have to order the End cap profiles separately because they are not included in corners and intermediate profiles.

Take note that corners in Up&Down versions cannot be fed.

• ¿Puedo alimentar una estructura directamente desde una esquina sin utilizar un perfil de alimentación?

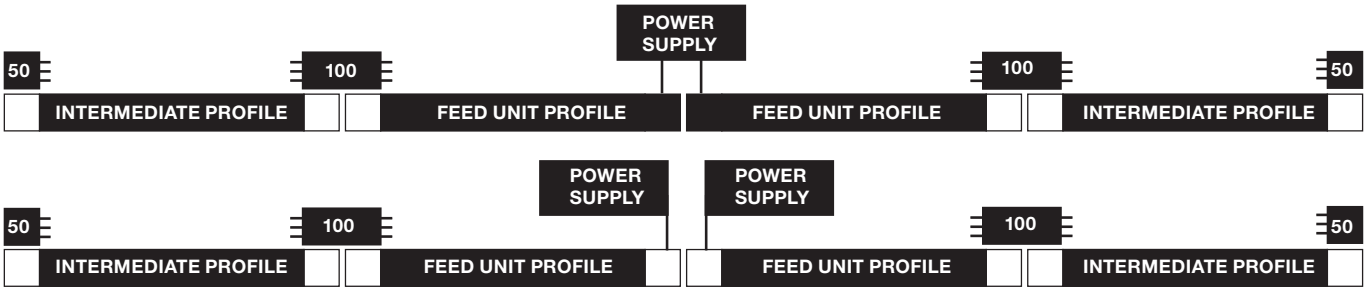
Sí, las esquinas están preparadas para alimentar una estructura en ambas direcciones sin la necesidad de utilizar un perfil de alimentación. Simplemente se ha de tener en cuenta que se deberán pedir por separado las tapas de los perfiles ya que no están incluidas en las esquinas y perfiles intermedios. Las esquinas en la versión Up&Down no se pueden alimentar.

• Can I use a feed unit profile to feed a surface structure from the center?

Yes, to feed a surface structure from the center (in both directions), you'll need to use two feed unit profiles with two power supplies connected, one to each feed unit profile, or connect the same power supply to both feed unit profiles, respecting any potential electrical limitations. The mechanical connection can be made between profiles without any problem.

• ¿Puedo utilizar un perfil de alimentación para alimentar una estructura de superficie desde el centro?

Sí, para alimentar una estructura de superficie desde el centro (en ambas direcciones), se necesitarán dos perfiles de alimentación con dos fuentes de alimentación, una para cada perfil de alimentación, o la misma fuente de alimentación para ambos perfiles de alimentación, respetando las limitaciones eléctricas. La conexión mecánica entre los dos perfiles se puede realizar sin ningún problema.



• Can I cut a profile?

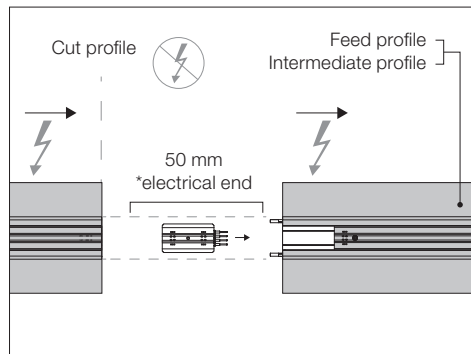
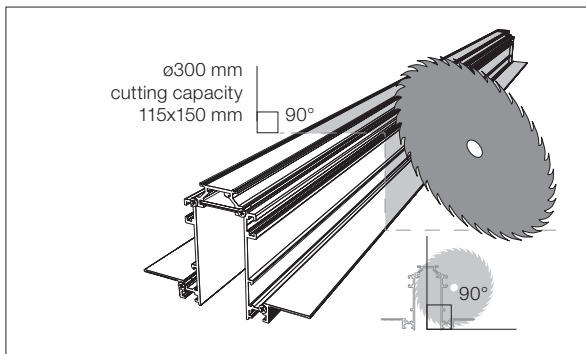
Yes, profiles can be cut to the desired length (except Up&Down version). Once a profile is cut, the electrical continuity is lost. If the cut element is not the one that closes the structure (in that case you don't need electrical continuity) the next section must be fed with a corner or a feed unit profile.

If the cut side is at the end, the metallic end cap must be electrically insulated.

• ¿Puedo cortar un perfil?

Sí, los perfiles se pueden cortar a la medida deseada (excepto en la versión Up&Down). Una vez se corta un perfil se pierde la continuidad eléctrica. Si el perfil cortado no es el que cierra la estructura (en ese caso no se necesita continuidad eléctrica) el siguiente tramo se deberá volver a alimentar con una esquina o un perfil de alimentación.

Si el lado cortado es final, hay que aislar eléctricamente la tapa (end cap) metálica.



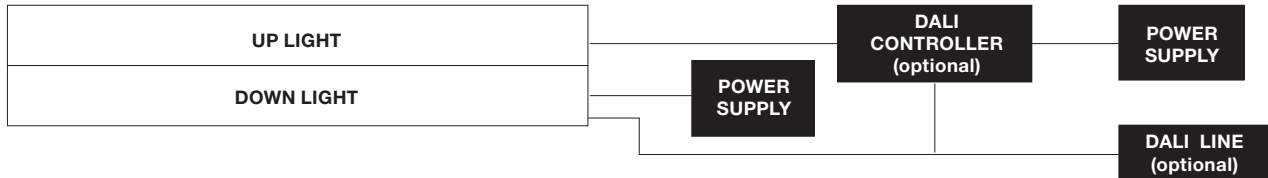
* Included with feed profiles or end caps /
Incluido en los perfiles de alimentación o end caps.

THE RUNNING MAGNET – FAQ

• Can I independently control the Up Light and the Down Light in the Up&Down version?

Yes, to control the Up Light and Down Light independently you just have to connect one power supply to the down electrical connector and another one to the up electrical connector. This allows you to manage the different light sources independently.

If you want to use a DALI Dimmable system for the Up Light and the Down Light, then the power supply connected to Up Light must be connected to a Dali controller (60.8635).



• ¿Puedo controlar de manera independiente la iluminación directa e indirecta en la versión Up&Down?

Sí, para controlar la iluminación directa e indirecta de forma independiente simplemente se ha de conectar una fuente de alimentación a la conexión de iluminación indirecta y otra a la directa, permitiendo de esta forma controlar las diferentes fuentes de manera independiente.

Si se desea usar un sistema de regulación DALI, entonces la fuente de alimentación conectada a la iluminación indirecta tiene que conectarse a un controlador DALI (60.8635).

• Can I independently control the luminaires installed in the structure with a DALI controller?

Yes, the DALI system will identify each luminaire installed in the profile with a unique address, and will allow you to independently manage each one.

• Do I need the Dimmable Dali controller 60.8635 to make the DALI structure?

The luminaires to be installed in the track are already equipped with Dali electronic, so a Dali controller is not required for these.

The 60.8635 DALI Controller is only required to make the Up indirect Light controllable with a DALI system in the Up&Down version.

• ¿Puedo controlar de manera independiente las luminarias instaladas en una estructura con un controlador DALI?

Sí, el sistema DALI identificará cada luminaria que se instale individualmente y permitirá su control de manera independiente.

• ¿Necesito la unidad de control dimmable DALI 60.8635 para hacer la estructura DALI?

Las luminarias ya van equipadas con electrónica DALI, por lo que la unidad de control DALI no será necesaria.

La unidad de control DALI 60.8635 solo será necesaria para controlar la iluminación indirecta con un sistema DALI en la versión Up&Down.

• What is the maximum distance allowed between the driver and the profile?

With the 200W power supply (60.9352) in our catalogue, the maximum distance allowed is:

- . Ø 1.5 mm cable: 3 m
- . Ø 2.5 mm cable: 5 m

• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?

Con la fuente de alimentación de 200W (60.9352) de nuestro catálogo, la distancia máxima permitida es:

- . Cable de Ø 1,5 mm: 3 m
- . Cable de Ø 2,5 mm: 5 m

• What is the maximum length that can be fed with one power supply?

The maximum profile length that can be fed with a power supply is 8 m.

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?

La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 8 m.

• Can I use a different, less powerful power supply?

All the information published on our website, and in our catalogue and installation instructions sheets is adjusted to the tests we perform with our 200W power supply (60.9352), which we recommend for our products. However, a different power supply can be used to feed the profiles but the electrical limitations that it will have to accomplish should be taken into account.

It should be a 24V power supply with a maximum electric current of 8A.

• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?

Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con nuestra fuente de alimentación de 200W (60.9352) recomendada para nuestros productos.

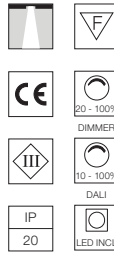
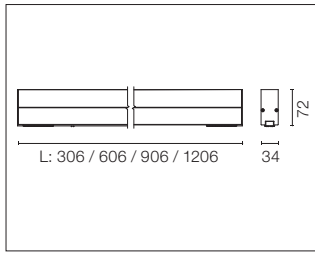
De todas formas, se puede utilizar una fuente de alimentación diferente para alimentar los perfiles, pero teniendo en cuenta las limitaciones eléctricas que debe cumplir.

Debe ser una fuente de alimentación de 24V con una corriente eléctrica máxima de 8A.

THE RUNNING MAGNET – LIGHT MODULES

Light Stripe

Light Source: Top LED 25W/m - 2060 lm/m - 2700K/CRI 90 / 25W/m - 2178 lm/m - 3000K/CRI 90



Diffused LED light module to be installed in The Running Magnet System. Opaline end caps to create continuous lines of light included. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Running Magnet. Tapas opalinas para crear líneas de luz continuas incluidas. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

2700K

L: 300 mm - 7,5W - 618lm

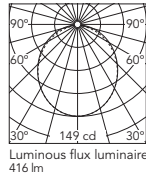
03.7000.14

Dali Version

03.7000.14.DA

**Casambi Integrated

03.7000.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	149	2.76
2	37	5.52
3	17	8.28
4	9	11.04
5	6	13.81

Luminous flux luminaire 416 lm

3000K

L: 300 mm - 7,5W - 653lm

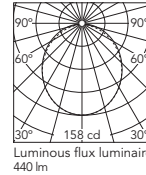
03.7001.14

Dali Version

03.7001.14.DA

**Casambi Integrated

03.7001.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	158	2.76
2	39	5.52
3	18	8.28
4	10	11.04
5	6	13.81

Luminous flux luminaire 440 lm

2700K

L: 600 mm - 15W - 1237lm

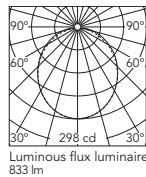
03.7002.14

Dali Version

03.7002.14.DA

**Casambi Integrated

03.7002.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	298	2.76
2	75	5.52
3	33	8.28
4	19	11.04
5	12	13.81

Luminous flux luminaire 833 lm

3000K

L: 600 mm - 15W - 1307lm

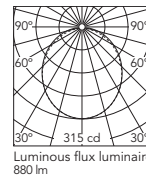
03.7003.14

Dali Version

03.7003.14.DA

**Casambi Integrated

03.7003.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	315	2.76
2	79	5.52
3	35	8.28
4	20	11.04
5	13	13.81

Luminous flux luminaire 880 lm

2700K

L: 900 mm - 22,5W - 1855lm

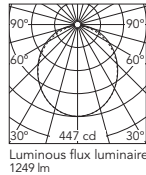
03.7004.14

Dali Version

03.7004.14.DA

**Casambi Integrated

03.7004.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	447	2.76
2	112	5.52
3	50	8.28
4	28	11.04
5	18	13.81

Luminous flux luminaire 1249 lm

3000K

L: 900 mm - 22,5W - 1960lm

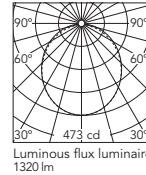
03.7005.14

Dali Version

03.7005.14.DA

**Casambi Integrated

03.7005.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	473	2.76
2	118	5.52
3	53	8.28
4	30	11.04
5	19	13.81

Luminous flux luminaire 1320 lm

2700K

L: 1200 mm - 30W - 2473lm

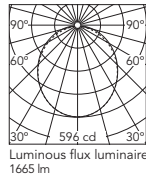
03.7006.14

Dali Version

03.7006.14.DA

**Casambi Integrated

03.7006.14.CB



Beam Angle: 105°

h(m)	Ef(x)	D(m)
1	596	2.76
2	149	5.52
3	66	8.28
4	37	11.04
5	24	13.81

Luminous flux luminaire 1665 lm

3000K

L: 1200 mm - 30W - 2614lm

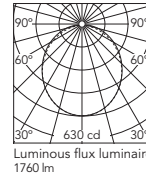
03.7007.14

Dali Version

03.7007.14.DA

**Casambi Integrated

03.7007.14.CB



Beam Angle: 105°

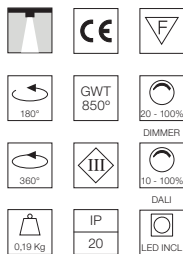
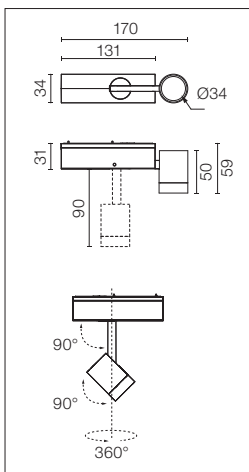
h(m)	Ef(x)	D(m)
1	630	2.76
2	158	5.52
3	70	8.28
4	39	11.04
5	25	13.81

Luminous flux luminaire 1760 lm

THE RUNNING MAGNET – LIGHT MODULES

Spot Module

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Maximum 64 spots for a single DALI controller.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

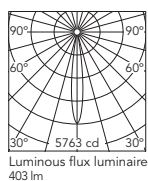
Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

Máximo 64 spots para un mismo controlador DALI.

Ver accesorios disponibles.

2700K

- 03.6303.14A
Dali Version
- 03.6303.14ADA
**Casambi Integrated
- 03.6303.14ACB

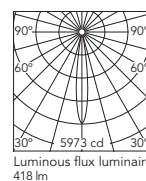


Beam Angle: 14°

h(m)	Ef(lx)	D(m)
1	5763	0.24
2	1441	0.49
3	640	0.73
4	360	0.98
5	231	1.22

3000K

- 03.6302.14A
Dali Version
- 03.6302.14ADA
**Casambi Integrated
- 03.6302.14ACB



Beam Angle: 14°

h(m)	Ef(lx)	D(m)
1	5973	0.24
2	1493	0.49
3	664	0.73
4	373	0.98
5	239	1.22

Accessories / Accesorios

Spot Module

Screening external ring for Running Magnet spot module in aluminium with a black finish to enhance the visual comfort.

Aro exterior apantallador para spot module Running Magnet realizado en aluminio y acabado en negro, para un incremento del confort visual.



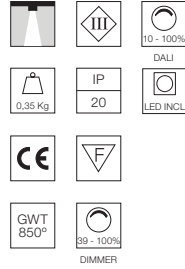
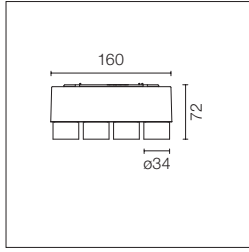
08.8427.14

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE RUNNING MAGNET – LIGHT MODULES

Multi Spot 4

Light Source: Power LED 10W - 4x226 lm - 2700K/CRI 90 / 10W - 4x240 lm - 3000K/CRI 90



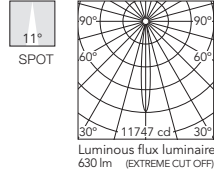
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

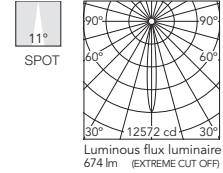
Ver accesorios disponibles.

- 2700K**
- 03.6305.14
Dali Version
 - 03.6305.14.DA
**Casambi Integrated
 - 03.6305.14.CB



Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	11747	0.20
2	2937	0.40
3	1305	0.60
4	734	0.80
5	470	1.00

- 3000K**
- 03.6306.14
Dali Version
 - 03.6306.14.DA
**Casambi Integrated
 - 03.6306.14.CB



Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	12572	0.20
2	3143	0.40
3	1397	0.60
4	786	0.80
5	503	1.00

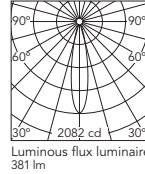
Accessories / Accesorios

Spot Module & Multi Spot 4

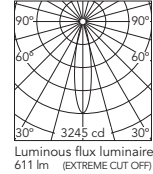
Frosted medium lens.
Medium lens accessory.



08.8760.00



Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	2082	0.36
2	520	0.73
3	231	1.09
4	130	1.46
5	83	1.82

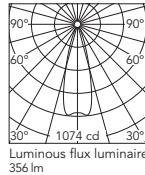


Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	3245	0.37
2	811	0.75
3	361	1.12
4	203	1.50
5	130	1.87

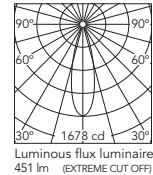
Frosted flood lens.
Flood lens accessory.



08.8761.00



Beam Angle: 31°		
h(m)	E(lx)	D(m)
1	1074	0.55
2	269	1.09
3	119	1.64
4	67	2.19
5	43	2.73

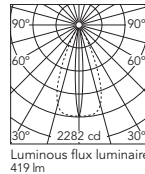


Beam Angle: 28°		
h(m)	E(lx)	D(m)
1	1678	0.50
2	420	1.00
3	186	1.51
4	105	2.01
5	67	2.51

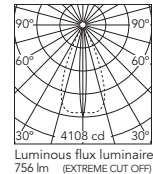
Elliptical lens.



08.8759.00



Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	2282	0.17
2	571	0.34
3	254	0.51
4	143	0.68
5	91	0.85



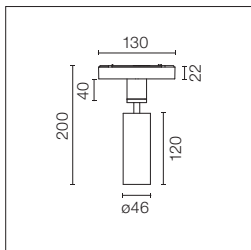
Beam Angle: 8°		
h(m)	E(lx)	D(m)
1	4108	0.15
2	1027	0.30
3	456	0.44
4	257	0.59
5	164	0.74

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THE RUNNING MAGNET – LIGHT MODULES

Spot 120

Light Source: Power LED 12,5W/14W DALI - 985 lm - 2700K/CRI 90 / 12,5W/14W DALI - 1060 lm - 3000K/CRI 90



-
-
-
-
-
-

Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 14 spots for a single driver.
Spot Module DALI:
Maximum 11 spots for a single driver.

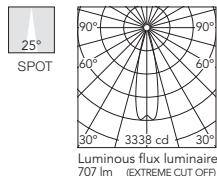
Accessories included (honeycomb and screening crosspiece).

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI:
Máximo 14 spots para un mismo driver.
Spot Module DALI:
Máximo 11 spots para un mismo driver.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

- 2700K**
- 03.6285.40
 - 03.6285.14
 - Dali Version
 - 03.6285.40.DA
 - 03.6285.14.DA
 - **Casambi Integrated
 - 03.6285.40.CB
 - 03.6285.14.CB

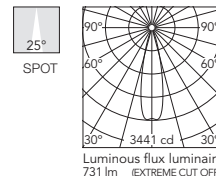


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3338	0.44
2	835	0.89
3	371	1.33
4	209	1.78
5	134	2.22

Luminous flux luminaire
707 lm (EXTREME CUT OFF)

- 3000K**
- 03.6284.40
 - 03.6284.14
 - Dali Version
 - 03.6284.40.DA
 - 03.6284.14.DA
 - **Casambi Integrated
 - 03.6284.40.CB
 - 03.6284.14.CB

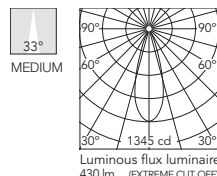


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3441	0.45
2	860	0.89
3	382	1.34
4	215	1.78
5	138	2.23

Luminous flux luminaire
731 lm (EXTREME CUT OFF)

- 2700K**
- 03.6286.40
 - 03.6286.14
 - Dali Version
 - 03.6286.40.DA
 - 03.6286.14.DA
 - **Casambi Integrated
 - 03.6286.40.CB
 - 03.6286.14.CB

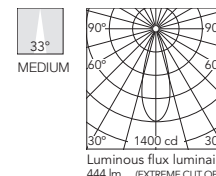


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1345	0.59
2	336	1.17
3	149	1.76
4	84	2.34
5	54	2.93

Luminous flux luminaire
430 lm (EXTREME CUT OFF)

- 3000K**
- 03.6287.40
 - 03.6287.14
 - Dali Version
 - 03.6287.40.DA
 - 03.6287.14.DA
 - **Casambi Integrated
 - 03.6287.40.CB
 - 03.6287.14.CB



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1400	0.58
2	350	1.16
3	156	1.75
4	88	2.33
5	56	2.91

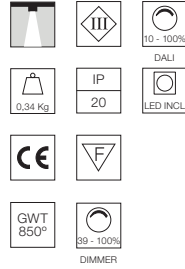
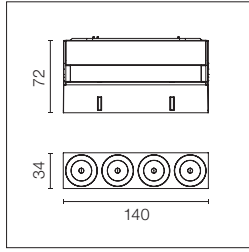
Luminous flux luminaire
444 lm (EXTREME CUT OFF)

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THE RUNNING MAGNET – LIGHT MODULES

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90



LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

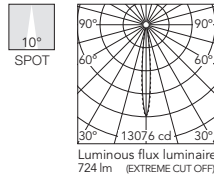
Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I	03.8949.40A
E I	03.8949.14A
E I	Dali Version
E I	03.8949.40ADA
E I	03.8949.14ADA
E I	**Casambi Integrated
E I	03.8949.40ACB
E I	03.8949.14ACB



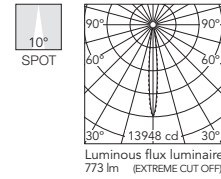
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

Luminous flux luminaire 724 lm (EXTREME CUT OFF)

Optic Spot 3000K

E I	03.8953.40A
E I	03.8953.14A
E I	Dali Version
E I	03.8953.40ADA
E I	03.8953.14ADA
E I	**Casambi Integrated
E I	03.8953.40ACB
E I	03.8953.14ACB



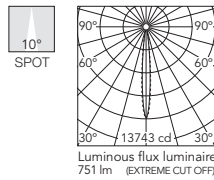
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

Luminous flux luminaire 773 lm (EXTREME CUT OFF)

2700K

E I	03.8948.40A
E I	03.8948.14A
E I	Dali Version
E I	03.8948.40ADA
E I	03.8948.14ADA
E I	**Casambi Integrated
E I	03.8948.40ACB
E I	03.8948.14ACB



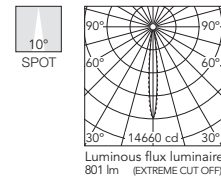
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Luminous flux luminaire 751 lm (EXTREME CUT OFF)

3000K

E I	03.8952.40A
E I	03.8952.14A
E I	Dali Version
E I	03.8952.40ADA
E I	03.8952.14ADA
E I	**Casambi Integrated
E I	03.8952.40ACB
E I	03.8952.14ACB



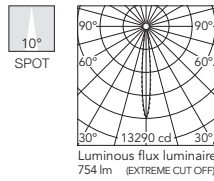
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Luminous flux luminaire 801 lm (EXTREME CUT OFF)

2700K

E I	03.8950.40A
E I	03.8950.14A
E I	Dali Version
E I	03.8950.40ADA
E I	03.8950.14ADA
E I	**Casambi Integrated
E I	03.8950.40ACB
E I	03.8950.14ACB



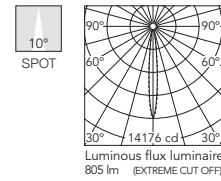
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

Luminous flux luminaire 754 lm (EXTREME CUT OFF)

3000K

E I	03.8954.40A
E I	03.8954.14A
E I	Dali Version
E I	03.8954.40ADA
E I	03.8954.14ADA
E I	**Casambi Integrated
E I	03.8954.40ACB
E I	03.8954.14ACB



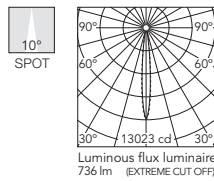
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

Luminous flux luminaire 805 lm (EXTREME CUT OFF)

2700K

E I	03.8951.40A
E I	03.8951.14A
E I	Dali Version
E I	03.8951.40ADA
E I	03.8951.14ADA
E I	**Casambi Integrated
E I	03.8951.40ACB
E I	03.8951.14ACB



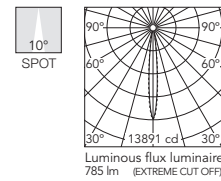
Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

3000K

E I	03.8955.40A
E I	03.8955.14A
E I	Dali Version
E I	03.8955.40ADA
E I	03.8955.14ADA
E I	**Casambi Integrated
E I	03.8955.40ACB
E I	03.8955.14ACB



Beam Angle: 10°

h(m)	Ef(lx)	D(m)
1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

Luminous flux luminaire 785 lm (EXTREME CUT OFF)

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THE RUNNING MAGNET – LIGHT MODULES

Optic Medium 2700K

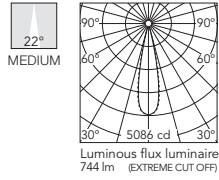
E I 03.9621.40A
03.9621.14A

E I Dali Version

E I 03.9621.40ADA
03.9621.14ADA

E I **Casambi Integrated

E I 03.9621.40ACB
03.9621.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

Optic Medium 3000K

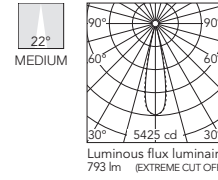
E I 03.9631.40A
03.9631.14A

E I Dali Version

E I 03.9631.40ADA
03.9631.14ADA

E I **Casambi Integrated

E I 03.9631.40ACB
03.9631.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

2700K

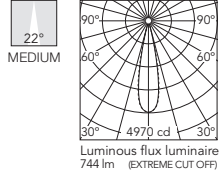
E I 03.9620.40A
03.9620.14A

E I Dali Version

E I 03.9620.40ADA
03.9620.14ADA

E I **Casambi Integrated

E I 03.9620.40ACB
03.9620.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

3000K

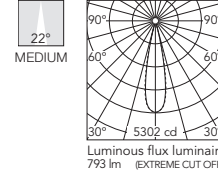
E I 03.9630.40A
03.9630.14A

E I Dali Version

E I 03.9630.40ADA
03.9630.14ADA

E I **Casambi Integrated

E I 03.9630.40ACB
03.9630.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

2700K

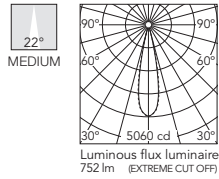
E I 03.9622.40A
03.9622.14A

E I Dali Version

E I 03.9622.40ADA
03.9622.14ADA

E I **Casambi Integrated

E I 03.9622.40ACB
03.9622.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5060	0.39
2	1265	0.77
3	562	1.16
4	316	1.55
5	202	1.94

3000K

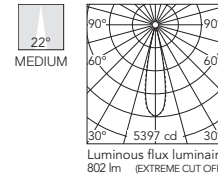
E I 03.9632.40A
03.9632.14A

E I Dali Version

E I 03.9632.40ADA
03.9632.14ADA

E I **Casambi Integrated

E I 03.9632.40ACB
03.9632.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5397	0.39
2	1349	0.77
3	600	1.16
4	337	1.55
5	216	1.94

2700K

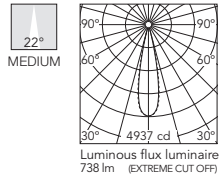
E I 03.9623.40A
03.9623.14A

E I Dali Version

E I 03.9623.40ADA
03.9623.14ADA

E I **Casambi Integrated

E I 03.9623.40ACB
03.9623.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4937	0.39
2	1234	0.78
3	549	1.17
4	309	1.56
5	197	1.95

3000K

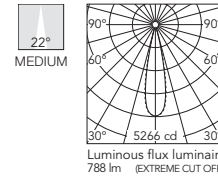
E I 03.9633.40A
03.9633.14A

E I Dali Version

E I 03.9633.40ADA
03.9633.14ADA

E I **Casambi Integrated

E I 03.9633.40ACB
03.9633.14ACB



Beam Angle: 22°

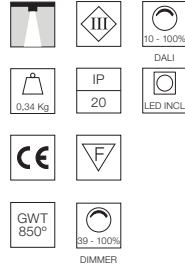
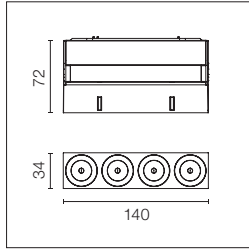
h(m)	E(lx)	D(m)
1	5266	0.39
2	1316	0.78
3	585	1.17
4	329	1.56
5	211	1.95

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE RUNNING MAGNET – LIGHT MODULES

Light Shadow

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90



LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system.
DC/DC, built-in electronic current converter.
For wireless lighting control, choose integrated Casambi versions.

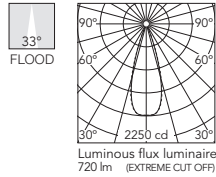
Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet.
Convertidor electrónico de corriente DC/DC incorporado.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

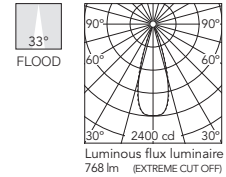
Optic Flood 2700K

E I	03.9626.40A
	03.9626.14A
E I	Dali Version
	03.9626.40ADA
	03.9626.14ADA
E I	**Casambi Integrated
	03.9626.40ACB
	03.9626.14ACB



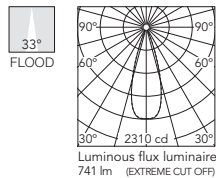
Optic Flood 3000K

E I	03.9636.40A
	03.9636.14A
E I	Dali Version
	03.9636.40ADA
	03.9636.14ADA
E I	**Casambi Integrated
	03.9636.40ACB
	03.9636.14ACB



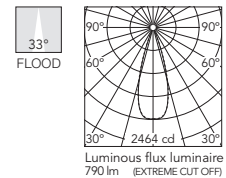
2700K

E I	03.9625.40A
	03.9625.14A
E I	Dali Version
	03.9625.40ADA
	03.9625.14ADA
E I	**Casambi Integrated
	03.9625.40ACB
	03.9625.14ACB



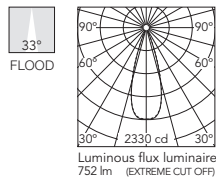
3000K

E I	03.9635.40A
	03.9635.14A
E I	Dali Version
	03.9635.40ADA
	03.9635.14ADA
E I	**Casambi Integrated
	03.9635.40ACB
	03.9635.14ACB



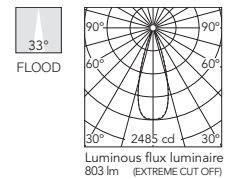
2700K

E I	03.9627.40A
	03.9627.14A
E I	Dali Version
	03.9627.40ADA
	03.9627.14ADA
E I	**Casambi Integrated
	03.9627.40ACB
	03.9627.14ACB



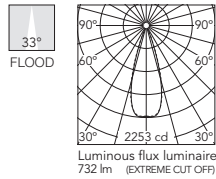
3000K

E I	03.9637.40A
	03.9637.14A
E I	Dali Version
	03.9637.40ADA
	03.9637.14ADA
E I	**Casambi Integrated
	03.9637.40ACB
	03.9637.14ACB



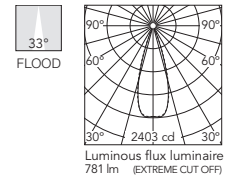
2700K

E I	03.9628.40A
	03.9628.14A
E I	Dali Version
	03.9628.40ADA
	03.9628.14ADA
E I	**Casambi Integrated
	03.9628.40ACB
	03.9628.14ACB



3000K

E I	03.9638.40A
	03.9638.14A
E I	Dali Version
	03.9638.40ADA
	03.9638.14ADA
E I	**Casambi Integrated
	03.9638.40ACB
	03.9638.14ACB











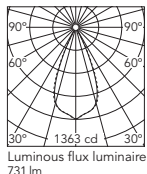
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE RUNNING MAGNET – LIGHT MODULES

Optic Wide Flood

2700K

-  03.9661.40A
-  03.9661.14A
-  Dali Version
-  03.9661.40ADA
-  03.9661.14ADA
-  **Casambi Integrated
-  03.9661.40ACB
-  03.9661.14ACB










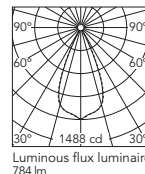
Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Optic Wide Flood

3000K









-  03.9665.40A
-  03.9665.14A
-  Dali Version
-  03.9665.40ADA
-  03.9665.14ADA
-  **Casambi Integrated
-  03.9665.40ACB
-  03.9665.14ACB

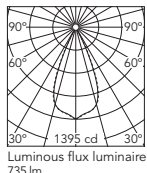


Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

2700K









-  03.9660.40A
-  03.9660.14A
-  Dali Version
-  03.9660.40ADA
-  03.9660.14ADA
-  **Casambi Integrated
-  03.9660.40ACB
-  03.9660.14ACB

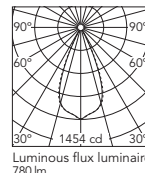


Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

3000K









-  03.9664.40A
-  03.9664.14A
-  Dali Version
-  03.9664.40ADA
-  03.9664.14ADA
-  **Casambi Integrated
-  03.9664.40ACB
-  03.9664.14ACB

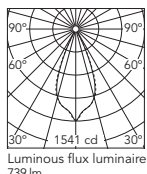


Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

2700K









-  03.9662.40A
-  03.9662.14A
-  Dali Version
-  03.9662.40ADA
-  03.9662.14ADA
-  **Casambi Integrated
-  03.9662.40ACB
-  03.9662.14ACB

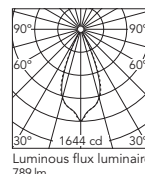


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1541	0.80
2	385	1.60
3	171	2.40
4	96	3.19
5	62	3.99

3000K









-  03.9666.40A
-  03.9666.14A
-  Dali Version
-  03.9666.40ADA
-  03.9666.14ADA
-  **Casambi Integrated
-  03.9666.40ACB
-  03.9666.14ACB

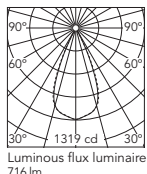


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1644	0.80
2	411	1.60
3	183	2.40
4	103	3.19
5	66	3.99

2700K









-  03.9663.40A
-  03.9663.14A
-  Dali Version
-  03.9663.40ADA
-  03.9663.14ADA
-  **Casambi Integrated
-  03.9663.40ACB
-  03.9663.14ACB

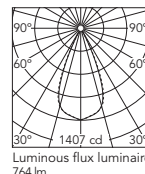


Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1319	0.84
2	330	1.69
3	147	2.53
4	82	3.38
5	53	4.22

3000K

-  03.9667.40A
-  03.9667.14A
-  Dali Version
-  03.9667.40ADA
-  03.9667.14ADA
-  **Casambi Integrated
-  03.9667.40ACB
-  03.9667.14ACB



Beam Angle: 47°

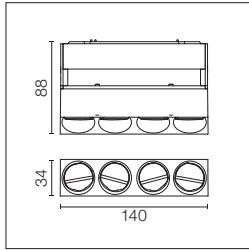
h(m)	E(lx)	D(m)
1	1407	0.84
2	352	1.69
3	156	2.53
4	88	3.38
5	56	4.22

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE RUNNING MAGNET – LIGHT MODULES

Light Shadow Wall-Washer

Light Source: Power LED 10,8W - 4x270 lm - 2700K/CRI 90 / 10,8W - 4x285 lm - 3000K/CRI 90



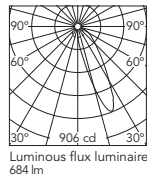
- LED INCL
- III
- 0.34 Kg
- IP 20
- CE
- F
- GWT 850°
- 10 - 100% DALI

LED lighting module, with 4 spotlights and low glare, to be installed in the The Running Magnet system. DC/DC, built-in electronic current converter. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de 4 focos y bajo deslumbramiento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

2700K

- 03.9905.40A
- 03.9905.14A
- Dali Version
- 03.9905.40ADA
- 03.9905.14ADA
- **Casambi Integrated
- 03.9905.40ACB
- 03.9905.14ACB

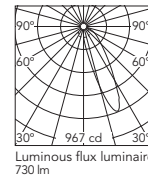


h(m)	E(lx)	D(m)
1	906	0.48
2	227	0.97
3	101	1.45
4	57	1.94
5	36	2.42

Luminous flux luminaire 684 lm

3000K

- 03.9904.40A
- 03.9904.14A
- Dali Version
- 03.9904.40ADA
- 03.9904.14ADA
- **Casambi Integrated
- 03.9904.40ACB
- 03.9904.14ACB

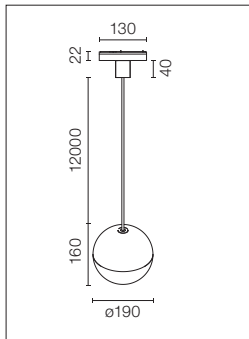


h(m)	E(lx)	D(m)
1	967	0.48
2	242	0.97
3	107	1.45
4	60	1.94
5	39	2.42

Luminous flux luminaire 730 lm

String Light Sphere

Light Source: Power LED 16W - 1310 lm - 2700K/CRI 90 / 16W - 1404 lm - 3000K/CRI 90



- SPHERE
- 1.27 Kg
- 1.15 Kg
- CONE
- CE
- F
- GWT 850°
- III
- IP 20
- 80 - 100% DIMMER
- 10 - 100% DALI
- LED INCL

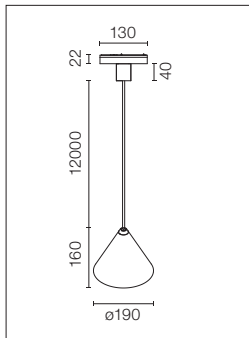
General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI: Maximum 9 spots for a single driver.

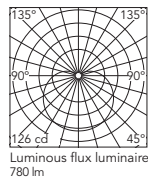
Spot Module No DALI: Máximo 9 spots para un mismo driver.

String Light Cone



String Light Sphere 2700K

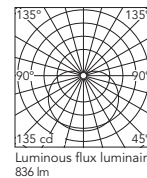
- 03.6295.14
- Dali Version
- 03.6295.14.DA
- **Casambi Integrated
- 03.6295.14.CB



Luminous flux luminaire 780 lm

String Light Sphere 3000K

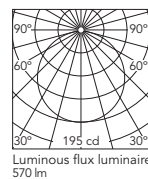
- 03.6296.14
- Dali Version
- 03.6296.14.DA
- **Casambi Integrated
- 03.6296.14.CB



Luminous flux luminaire 836 lm

String Light Cone 2700K

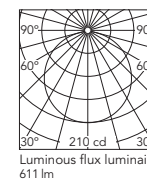
- 03.6297.14
- Dali Version
- 03.6297.14.DA
- **Casambi Integrated
- 03.6297.14.CB



Luminous flux luminaire 570 lm

String Light Cone 3000K

- 03.6298.14
- Dali Version
- 03.6298.14.DA
- **Casambi Integrated
- 03.6298.14.CB

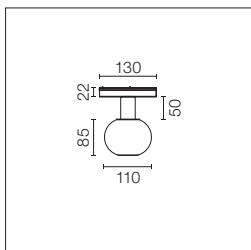


Luminous flux luminaire 611 lm

THE RUNNING MAGNET – LIGHT MODULES

Mini Glo-Ball

Light Source: Power LED 7W - 800 lm - 2700K/CRI 80 / 7W - 880 lm - 3000K/CRI 80



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General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

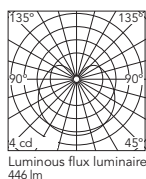
Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

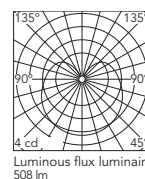
2700K

- 03.6260.14B
Dali Version
- 03.6260.14.DA
*Casambi Integrated
- 03.6260.14.CB



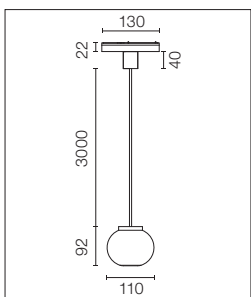
3000K

- 03.6261.14B
Dali Version
- 03.6261.14.DA
*Casambi Integrated
- 03.6261.14.CB



Mini Glo-Ball S

Light Source: Power LED 3,5W - 400 lm - 2700K/CRI 80 / 3,5W - 440 lm - 3000K/CRI 80



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General lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

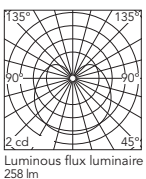
Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED general para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

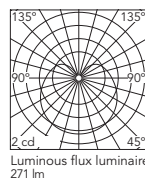
2700K

- 03.6262.14B
Dali Version
- 03.6262.14.DA
**Casambi Integrated
- 03.6262.14.CB



3000K

- 03.6263.14B
Dali Version
- 03.6263.14.DA
**Casambi Integrated
- 03.6263.14.CB

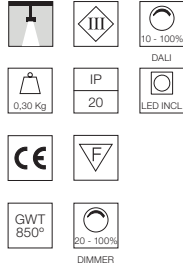
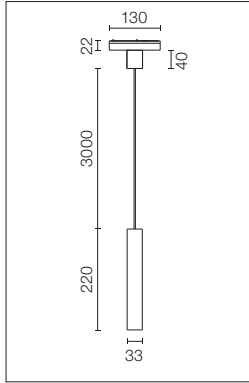


** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE RUNNING MAGNET – LIGHT MODULES

Find Me 1 Suspension

Light Source: Power LED 8W - 560 lm - 2700K/CRI 90 / 8W - 600 lm - 3000K/CRI 90



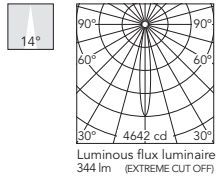
Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

Spot Module No DALI:
Maximum 21 spots for a single driver.
Spot Module DALI:
Maximum 14 spots for a single driver.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI:
Máximo 21 spots para un mismo driver.
Spot Module DALI:
Máximo 14 spots para un mismo driver.

- 2700K**
- 03.6272.30C
 - 03.6272.06C
 - 03.6272.14C
 - Dali Version
 - 03.6272.30CDA
 - 03.6272.06CDA
 - 03.6272.14CDA
 - **Casambi Integrated
 - 03.6272.30CCB
 - 03.6272.06CCB
 - 03.6272.14CCB

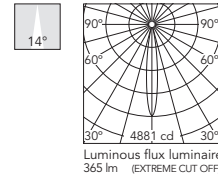


Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

Luminous flux luminaire 344 lm (EXTREME CUT OFF)

- 3000K**
- 03.6273.30C
 - 03.6273.06C
 - 03.6273.14C
 - Dali Version
 - 03.6273.30CDA
 - 03.6273.06CDA
 - 03.6273.14CDA
 - **Casambi Integrated
 - 03.6273.30CCB
 - 03.6273.06CCB
 - 03.6273.14CCB



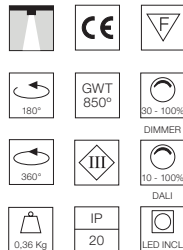
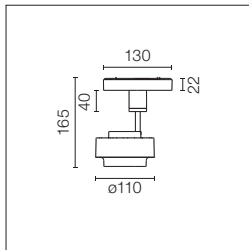
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

Luminous flux luminaire 365 lm (EXTREME CUT OFF)

Anthony Spot Track By Antonio Citterio

Light Source: Power LED 16W - 1310 lm - 2700K/CRI 90 / 16W - 1404 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Running Magnet System. Built-in DC/DC electronic voltage converter. For wireless lighting control, choose integrated Casambi versions.

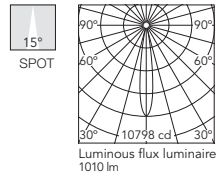
Spot Module No DALI:
Maximum 9 spots for a single driver.
See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Running Magnet. Convertidor electrónico de corriente DC/DC incorporado. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Spot Module No DALI:
Máximo 9 spots para un mismo driver.

Ver accesorios disponibles.

- 2700K**
- 03.6277.40A
 - 03.6277.14A
 - Dali Version
 - 03.6277.40ADA
 - 03.6277.14ADA
 - **Casambi Integrated
 - 03.6277.40ACB
 - 03.6277.14ACB

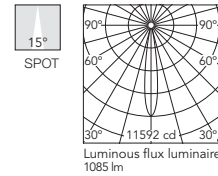


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	10798	0.27
2	2700	0.54
3	1200	0.81
4	675	1.09
5	432	1.36

Luminous flux luminaire 1010 lm

- 3000K**
- 03.6274.40A
 - 03.6274.14A
 - Dali Version
 - 03.6274.40ADA
 - 03.6274.14ADA
 - **Casambi Integrated
 - 03.6274.40ACB
 - 03.6274.14ACB

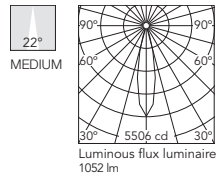


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	11592	0.27
2	2898	0.54
3	1288	0.81
4	724	1.09
5	464	1.36

Luminous flux luminaire 1085 lm

- 2700K**
- 03.6278.40A
 - 03.6278.14A
 - Dali Version
 - 03.6278.40ADA
 - 03.6278.14ADA
 - **Casambi Integrated
 - 03.6278.40ACB
 - 03.6278.14ACB

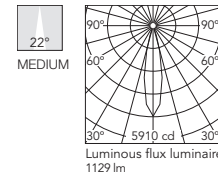


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5506	0.40
2	1376	0.79
3	612	1.19
4	344	1.58
5	220	1.98

Luminous flux luminaire 1052 lm

- 3000K**
- 03.6275.40A
 - 03.6275.14A
 - Dali Version
 - 03.6275.40ADA
 - 03.6275.14ADA
 - **Casambi Integrated
 - 03.6275.40ACB
 - 03.6275.14ACB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5910	0.40
2	1478	0.79
3	657	1.19
4	369	1.58
5	236	1.98




Luminous flux luminaire 1129 lm

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.


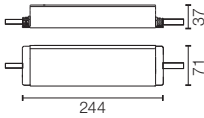
THE RUNNING MAGNET

Accessories / Accesorios

Anthony Spot Track

Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35°) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35°) pedir Anthony Spot Medium + lente flood.		08.0050.00

Drivers / Equipos

LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.	Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.			60.9352
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The Running Magnet Up&Down version

Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			60W 60.9089 Up lighting max 6m
Electronic transformer with constant voltage (24V) for LED. 100/240V.	Transformador electrónico de tensión constante (24V) para LED. 100/240V.			120W 60.9407 Up lighting max 8m
Dimmable Dali control unit with 1 channel for 24V LED modules. Power supply not included.	Unidad de control dimable Dali de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación.			60.8635

For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

THE TRACKING MAGNET

DESIGNED BY FLOS ARCHITECTURAL

FLOS
CONTROL BY CASAMBI



RECESSED

SURFACE

SUSPENSION
UP&DOWN/DOWN



Recessed Profiles 14 Black
14 Negro

Surface/Suspension Profiles 40 White
40 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

LIGHT MODULES

LIGHT STRIPE



LIGHT SOURCE
TOP LED
20W/m
1859 lm/m
2700K/CRI 90
1967 lm/m
3000K/CRI 90

SPOT 50



LIGHT SOURCE
POWER LED
3,5W
286 lm
2700K/CRI 90
307 lm
3000K/CRI 90

SPOT 90



LIGHT SOURCE
POWER LED
8,5W
610 lm
2700K/CRI 90
656 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
POWER LED
12W
724 lm
2700K/CRI 90
779 lm
3000K/CRI 90

SPOT 120



LIGHT SOURCE
LED ARRAY
12,5W
1075 lm
2700K/CRI 90
1138 lm
3000K/CRI 90

SPOT 150



LIGHT SOURCE
LED ARRAY
22,5W
2000 lm
2700K/CRI 90
2115 lm
3000K/CRI 90

ANTHONY SPOT TRACK



LIGHT SOURCE
LED ARRAY
16,5W
1620 lm
2700K/CRI 90
1730 lm
3000K/CRI 90

WALLEE



LIGHT SOURCE
TOP LED
10W
773 lm
2700K/CRI 90
818 lm
3000K/CRI 90



Surface
Flos Kit
Installation



Recessed
Flos Kit
Installation



Recessed
Conventional
Installation



Anthony Spot

THE TRACKING MAGNET

Description

Renewed indoor lighting system for surface, suspended and recessed in plasterboard wall/ceiling installation.

In the new proposal, beside the successful "On Board Dimmer" version, FLOS goes one step beyond, launching both track and luminaires designed for system management in a variety of options: DALI, 1-10V and Casambi.

There are three profile versions (recessed, surface/suspension and Up&Down), all manufactured with aluminium profiling of a maximum of 3m extruded in white, black or polished aluminium, provided with electric tracks powered at 48V.

Furthermore, the system controlled versions (DALI, 1-10V) are equipped with graphite data bus for regulation.

Luminaires are installed through a magnetic fixing system.

The Tracking Magnet product group is complemented with ambient and accent lighting modules, with different optics. The light fixtures are available with potentiometer incorporated, dimmable DALI, 1-10V or Casambi for remote setting.

Control

- For installation of "On Board Dimmer" fixtures use "On Board Dimmer" track version. Luminaires DALI and 1-10V are only compatible with track DALI, 1-10V.

Casambi luminaires can be installed on all profiles available in the system.

- To manage using DALI protocol, it is necessary to connect the control data bus directly to the profile.

- For the 1-10V management, the control system needs to be active (SOURCE, the controller generates the power signal) and the control data bus needs to be directly connected to the profile. If the controller is passive (SINK), the Control Dimming box unit will be necessary. It is located between the control unit and the track, and it must be ordered separately from the accessories department. In the 1-10V management system, all luminaires are dimmed at the same time (as a block or broadcast).

- For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version, these are compatible with all profiles available in the system.

For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play). Maximum number of track interconnections to guarantee the communication of the DALI or 1-10V signal: 20 interconnections including cuts, or 20 meters. Maximum number of track cuts to guarantee the communication of the DALI or 1-10V signal: 3 cuts.

The UP&DOWN version has a compatible DALI interface for controlling indirect lighting. Please note that since it is a DALI compatible component, it may not respond to advanced DALI protocol functions. For more information, see the technical specifications section on the Flos website.

The UP&DOWN version can be controlled independently via DALI.

Optic system

- Light Stripe: diffuse ambient light.

- Spot 50: Medium.

- Spot 90: Medium.

- Spot 120 Power LED (same light source as the Spot 50 and Spot 90): Spot, Medium.

- Spot 120 LED Array (same light source as the Spot 150): Medium, Flood.

- Spot 150: Spot, Medium, Flood.

- Anthony Spot: Spot, Medium, Flood (with flood filter).

- Wallee: Wall frame lighting.

Power Supply

Remote 48V power supply not included.

Accessories

For the Anthony Spot lighting module there are elliptical, flood lenses (to be used with Anthony Spot Medium) and screening elements.

For the Spot tracking lighting modules, the honeycomb and screening crossbrace accessories are incorporated in the product.

The Suspension versions offer two suspension systems that must be ordered separately: rigid bars to stop the profile tilting (straight structures with no corners) or for installations requiring a more rigid fixture system, and steel cable, recommended if a corner is included in the structure, where the tilt will not appear in any case.

Additional Information

Recessed version only to be installed in 12.5mm thick plasterboard surfaces.

The Tracking Magnet is a 48V electrical system limited to a maximum power current of 6.6A and 320W to avoid overloads.

Maximum length with a single power source is 20 m.

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Renovado sistema de iluminación para interior en versiones superficie, suspendida o empotrada en pared/techo de cartón yeso.

En la nueva propuesta, además de la ya conocida versión "On Board Dimmer", FLOS ha dado un paso más, añadiendo perfiles y luminarias que pueden controlarse con varios sistemas de control remoto: DALI, 1-10V y Casambi.

Existen tres versiones de perfil (empotrada, superficie/suspensión y Up&Down), todos fabricados con perfilera de aluminio máx. 3 m, extruido en blanco, negro o aluminio pulido, provistos de pistas eléctricas alimentadas a 48V.

Además, las versiones controlables como sistema (DALI, 1-10V) llevan bus de datos en grafito para su regulación. Las luminarias se instalan mediante un sistema de fijación magnética.

La familia Tracking Magnet se completa con módulos de iluminación ambiental y de acento, con diferentes ópticas. Los módulos de luz disponen de un potenciómetro instalado, regulación DALI, 1-10V o Casambi según se desee.

Control

- Para instalaciones de luminaria con sistema de dimado "On Board Dimmer" y FLOS Control®, usar perfil en versión "On Board Dimmer". Las luminarias DALI y 1-10V solo son compatibles con perfil versión DALI, 1-10V. Las luminarias Casambi son compatibles con todos los perfiles.

- Para gestión mediante protocolo DALI es necesario conectar el bus de datos de control directamente al perfil.

- Para la gestión 1-10V es necesario que el sistema de control sea activo (SOURCE, el controlador genera la señal de tensión) y conectar el bus de datos de control directamente al perfil. Si el controlador es de tipo pasivo (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril) que hay que pedir por separado en el apartado de accesorios. En el sistema de gestión 1-10V todas las luminarias se regulan a la vez (en bloque o broadcast).

- Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi, estas son compatibles con cualquier tipo de perfil del sistema.

Necesaria APP FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Número máximo de interconexiones de carriles para garantizar la comunicación de la señal DALI o 1-10V será de 20 interconexiones incluyendo los cortes ó 20 metros.

Número máximo de cortes de carril para garantizar la comunicación de la señal DALI o 1-10V será 3 cortes.

La versión UP&DOWN equipa un interfaz DALI compatible para el control de la iluminación indirecta. Tenga en cuenta que al ser un componente DALI compatible, éste puede no responder a funciones avanzadas del protocolo DALI. Para más información consulte el apartado de especificaciones técnicas en la web de Flos.

La versión UP&DOWN puede ser controlada independientemente vía DALI.

Sistema Óptico

- Light Stripe: luz ambiental difusa.

- Spot 50: Medium.

- Spot 90: Medium.

- Spot 120 Power LED (misma fuente de luz de los Spot 50 y Spot 90): Spot, Medium.

- Spot 120 LED Array (misma fuente de luz del Spot 150): Medium, Flood.

- Spot 150: Spot, Medium, Flood.

- Anthony Spot: Spot, Medium, Flood (con filtro flood).

- Wallee: Iluminación de cuadros en pared.

Unidades de Alimentación

Fuente de alimentación remota de 48V no incluida.

Accesorios

Para el módulo de iluminación Anthony Spot existen lentes elípticas, flood (para usarse con Anthony Spot Medium) y elementos apantalladores.

Para los módulos de iluminación Spot tracking los accesorios honeycomb y cruceta de apantallamiento incorporados en el producto.

Las versiones Suspensión ofrecen dos sistemas de suspensión que deben pedirse por separado: varillas rígidas para evitar la inclinación del Perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido, y cable de acero recomendado si una esquina está incluida en la estructura, donde la inclinación no aparecerá en ningún caso.

Información Adicional

La versión Recessed únicamente instalable en superficies de cartón-yeso de 12,5mm de espesor.

The Tracking Magnet es un sistema eléctrico alimentado a 48V y limitado a una corriente máxima de 6.6A y 320W para evitar sobrecargas.

Longitud máxima con una sola fuente de alimentación 20m.

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

2 COMPLETE WITH MOUNTING ACCESSORIES

RECESSED PROFILE

L: 1 / 1,5 / 2 / 2,5 / 3 m

Feed connector 	End cap
Intermediate connector 	90° Corner
Inner corner 	Outer corner

Recessed installation

Accessories

Fixed ceiling kit or Adjustable ceiling kit

SURFACE/SUSPENSION DOWN PROFILE

L: 1 / 1,5 / 2 / 2,5 / 3 m

Feed connector 	End cap
Intermediate connector 	90° Corner
Inner corner 	

Surface installation

Accessories

Fixed ceiling kit

Suspension Down installation

Accessories

Suspension kit + Surface rose or Recessed rose + Power cable + Rigid rod or Suspension cable

SUSPENSION UP&DOWN PROFILE

L: 1 / 1,5 / 2 / 2,5 / 3 m

Power connector profile 	End cap
Intermediate connector 	90° Corner
Intermediate suspension kit 	

Suspension Up&Down installation

Accessories

Surface rose or Recessed rose + Power cable + Rigid rod or Suspension cable

THE TRACKING MAGNET

3 SELECT POWER SUPPLY AND CONTROL OPTION

Recessed installation

Remote power supply



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

+



1-10V control box
(needed only to transform sink into source control signal)

1-10V

4 SELECT A LIGHT MODULE AND CONTROL OPTION

Dali / 1-10V / Casambi / On board dimmer

Light Stripe



General lighting

Spot 50



M

Surface installation

Remote power supply



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

+



1-10V control box
(needed only to transform sink into source control signal)

1-10V

Spot 90



S/M

Spot 120



S/M/F

Suspension Down installation

Remote power supply



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

On board dimmer / Casambi / Dali



185W or 320W

(select the driver with the appropriate power according to the needs of your project)

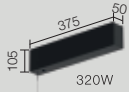
+



1-10V control box
(needed only to transform sink into source control signal)

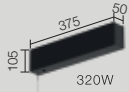
1-10V

Surface power supply



320W

On board dimmer / Casambi / Dali



320W

(only for 1-10V source signal)

1-10V

Spot 150



S/M/F

Anthony Spot Track



S/M

Suspension Up&Down installation

Remote power supply

Surface power supply

Down instal.

Up instal.

Down instal.

Up instal.

On board dimmer



185W or 320W

Casambi



185W or 320W

Dali

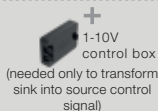


DALI Push

1-10V



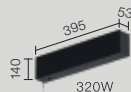
185W or 320W



1-10V control box
(needed only to transform sink into source control signal)



1-10V Push



320W

(only for 1-10V source signal)

Wallee



General lighting

THE TRACKING MAGNET RECESSED – PROFILES

Profiles

Electromechanical profile for recessed installation in plasterboard ceilings and walls, available in lengths from 1m to 3m.

A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.

Feed connector, intermediated connector and end-caps to be ordered separately.

Mechanical 90° corners available in the same plane (symmetrical element for left and right corners), symmetrical 90° inner and outer corners in different planes.

Intermediate connectors to be ordered separately if electrical continuity on corners is required.

Corners do not admit installation of spots.

Fixed or adjustable fastening kits available (optional). The fastening kits for the roof permit installing without using aluminium fastening profiles.

Recommended for installations where the Tracking Magnet can be installed before the suspended plasterboard ceiling.

Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos/paredes de cartón yeso con longitudes de 1m a 3m.

Disponble versión compatible con luminarias "On Board Dimmer" y Casambi. Versión compatible con luminarias controlables como sistema DALI y 1-10V. Esquinas, conectores y accesorios comunes para las dos versiones.

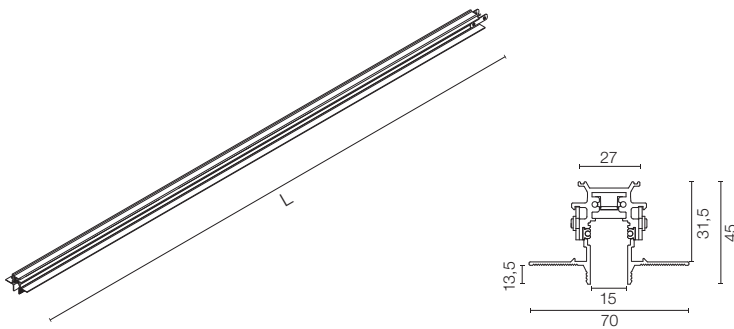
Necesario pedir por separado conector de alimentación, conectores intermedios y tapas.

Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha), esquinas simétricas de 90° en distinto plano en interior y exterior.

Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.

No es posible instalar spots en las esquinas.

Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Magnet antes que el falso techo de cartón yeso.



L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Casambi / On board dimmer compatible

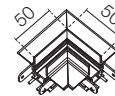
- L: 1000 mm ■ 06.5050.14
- L: 1500 mm ■ 06.5051.14
- L: 2000 mm ■ 06.5052.14
- L: 2500 mm ■ 06.5053.14
- L: 3000 mm ■ 06.5054.14

Casambi / DALI / 1-10V compatible

- L: 1000 mm ■ 06.5040.14
- L: 1500 mm ■ 06.5041.14
- L: 2000 mm ■ 06.5042.14
- L: 2500 mm ■ 06.5043.14
- L: 3000 mm ■ 06.5044.14

90° mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

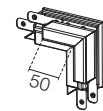
Esquina mecánica 90°.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



■ 06.5045.14

Inner mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

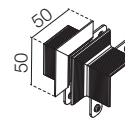
Esquina mecánica interior.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



■ 06.5046.14

Outer mechanical corner.
To create electrical continuity, order with the flexible intermediate connector.

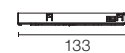
Esquina mecánica exterior.
Para crear continuidad eléctrica pedir con el conector intermedio flexible.



■ 06.5047.14

Feed connector.

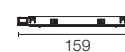
Conector alimentación.



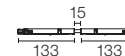
■ 08.0611.14

Intermediate connector.

Conector intermedio.



Straight
■ 08.0612.14

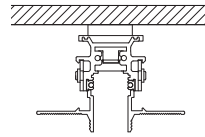


Flexible/Electrical corner
■ 08.0614.14

THE TRACKING MAGNET RECESSED – PROFILES

Fixed ceiling kit (optional).
2 unit kit.

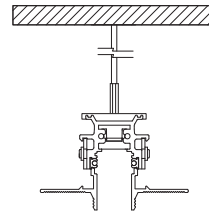
Kit de sujeción a techo fijo
(opcional). Kit de 2 unidades.



■ 08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable
(opcional). Kit de 2 unidades.



■ 08.8867.14

Profile (mm)	Quantities Ceiling Kit (units)
1000 / 1500	2
2000 / 2500	3
3000	4

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



■ 06.5008.14

THE TRACKING MAGNET SURFACE/SUSPENSION – PROFILES

Profiles

Electromechanical profile for surface-mounting, available in lengths from 1m to 3m.

A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems. Corners, connectors and accessories common for the two profile versions.

Feed connector, intermediated connector, end-caps and attachment accessories to be ordered separately.

Mechanical 90° corners available in the same plane (symmetrical element for left and right corner) and 90° symmetrical internal corners in a different plane. Intermediate connectors to be ordered separately if electrical continuity on corners is required.

Corners do not admit installation of spots.

Perfiles

Perfil electro-mecánico para instalaciones en superficie o suspendidas, con longitudes de 1m a 3m.

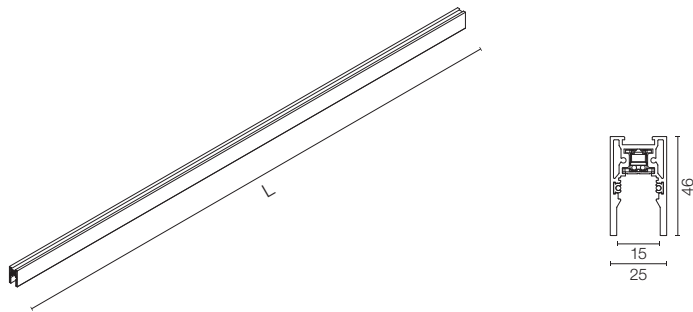
Disponible versión compatible con luminarias "On Board Dimmer" y Casambi. Versión compatible con luminarias controlables como sistema DALI y 1-10V. Esquinas, conectores y accesorios comunes para las dos versiones.

Necesario pedir por separado conector de alimentación, conectores intermedios, tapas y accesorios de fijación.

Disponibles esquinas mecánicas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha) y esquinas simétricas de 90° en distinto plano en interior.

Necesario pedir por separado conector flexible para asegurar continuidad eléctrica en las esquinas.

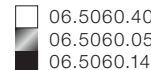
No es posible instalar spots en las esquinas.



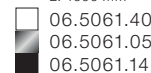
L: 1 m / 1,5 m / 2 m / 2,5 m / 3 m

Casambi / On board dimmer compatible

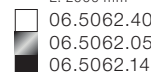
L: 1000 mm



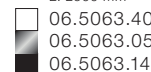
L: 1500 mm



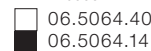
L: 2000 mm



L: 2500 mm

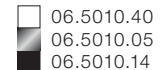


L: 3000 mm

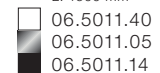


Casambi / DALI / 1-10V compatible

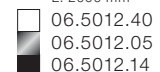
L: 1000 mm



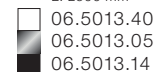
L: 1500 mm



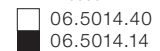
L: 2000 mm



L: 2500 mm

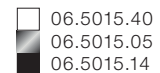
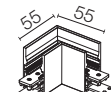


L: 3000 mm



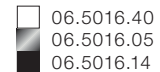
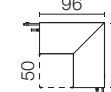
90° mechanical corner. To create electrical continuity, order with the flexible intermediate connector.

Esquina mecánica 90°. Para crear continuidad eléctrica pedir con el conector intermedio flexible.



Inner mechanical corner. Only for surface version.

Esquina mecánica interior. Solo para versión surface.



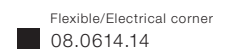
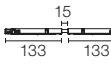
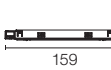
Feed connector.

Conector de alimentación.



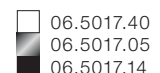
Intermediate connector.

Conector intermedio.



End caps. To be ordered separately. 2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



THE TRACKING MAGNET SURFACE/SUSPENSION

Accessories / Accesorios

Suspension

Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.

Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.



08.8883.40A
08.8883.14A

Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately.

Rosetón de alimentación empotrado. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.



08.8889.40
08.8889.14

4-pole, 0.75 mm² section, 4-meter long, transparent power cable.

Cable de alimentación transparente de 4 polos, 0,75 mm² de sección y 4m de longitud.



06.0157.00

Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required. Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

1 m suspension rod with ceiling rose. M6 thread. Not applicable with a Surface power box.

Varilla de suspensión de 1 m con rosetón con fileteado m6. No aplicable con caja de alimentación de superficie.



60.3014.11
60.3014.14

1m suspension rod extension set m6 thread.

Alargo para varilla de suspensión de 1 m con fileteado m6.



60.3097.11
60.3097.14

A 4-meter steel suspension cable is recommended if the structure includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.

Cable de acero de suspensión de 4 m, recomendado si la estructura incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.



08.8634.00

Amount of fastening elements necessary (cables or rods): for the union of rectilinear profiles, the necessary amounts shall be the sum of the necessary elements for each profile, according to the table, one less for each joint.

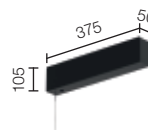
Cantidad de elementos de fijación necesarios (cables o varillas): cuando se realice la unión de perfiles rectilíneos, la cantidad necesaria resultará de la suma de los elementos necesarios por cada perfil, según tabla, menos uno por cada unión.

Profile (mm)	Quantities Ceiling Kit (units)
1000 / 1500	2
2000 / 2500	3
3000	4

Suspension

Surface power supply with 320W / 48Vdc driver included. 4-meter, 4-pole transparent cable included. Not suitable for installations with suspension rods. For 1-10V control, use only active signals.

Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cable transparente de 4 polos y 4m incluido. No válido para instalaciones con varillas de suspensión. Para control 1-10V usar solo señales activas.



08.0600.40
08.0600.14

Ceiling fixing kit. 2 unit kit.

Kit de sujeción a techo. Kit de 2 unidades.



Surface
08.0615.00



Suspension
08.0616.00

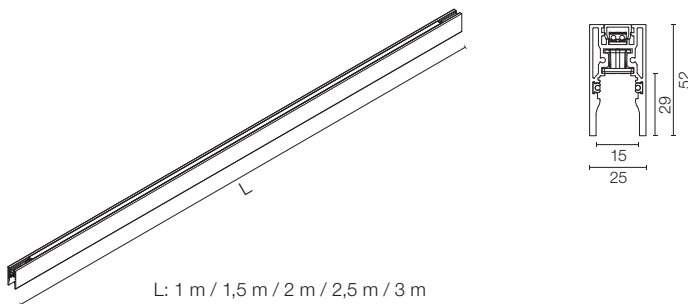
THE TRACKING MAGNET SUSPENSION UP&DOWN – PROFILES

Profiles

Electrical/mechanical profile for suspended installations.
 The linear elements in the Up&Down version include indirect LED lighting in the upper part of the profile.
 A version compatible with 'On Board Dimmer' and Casambi light fixtures is available. Version compatible with controllable lights such as DALI and 1-10V systems.
 The profiles cannot be cut. The end caps must be ordered separately.
 Suspension accessories (steel cable and rods) should be ordered separately.
 90° corners available in the same plan (symmetrical element for left and right corners).
 The corners do not have indirect lighting. Indirect lighting can be controlled either through the same circuit than direct lighting or independently.
 The Up&Down version can be controlled independently via DALI.

Perfiles

Perfil electro-mecánico para instalaciones suspendidas.
 Los elementos lineales en versión Up&Down incluyen iluminación LED indirecta en la parte superior del perfil.
 Disponible versión compatible con luminarias "On Board Dimmer" y Casambi. Versión compatible con luminarias controlables como sistema DALI y 1-10V. Los perfiles no se pueden cortar. Las tapas se deben pedir por separado.
 Accesorios de suspensión (cable de acero y varillas) se deben pedir por separado.
 Disponibles esquinas de 90° en el mismo plano (elemento simétrico para esquina izquierda y derecha).
 Las esquinas no llevan iluminación indirecta. La luz indirecta se puede controlar a través del mismo circuito que la luz directa o de forma independiente.
 La versión Up&Down puede ser controlada independientemente vía DALI.


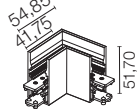


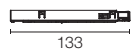

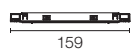









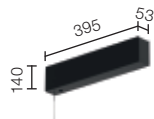


Light Source: Top LED 6,5W/m Up - 630 lm/m Up - 3000K/CRI 80

<p>Casambi / On board dimmer compatible L: 1000 mm 06.5070.40 06.5070.05 06.5070.14</p>	<table border="1"> <thead> <tr> <th>h(m)</th> <th>E(lx)</th> <th>D(m)</th> </tr> </thead> <tbody> <tr><td>1</td><td>195</td><td>1.72</td></tr> <tr><td>2</td><td>49</td><td>3.44</td></tr> <tr><td>3</td><td>22</td><td>5.15</td></tr> <tr><td>4</td><td>12</td><td>6.87</td></tr> <tr><td>5</td><td>8</td><td>8.59</td></tr> </tbody> </table> <p>Luminous flux luminaire 419 lm</p>	h(m)	E(lx)	D(m)	1	195	1.72	2	49	3.44	3	22	5.15	4	12	6.87	5	8	8.59	<p>Casambi / DALI / 1-10V compatible L: 1000 mm 06.5020.40 06.5020.05 06.5020.14</p>	<table border="1"> <thead> <tr> <th>h(m)</th> <th>E(lx)</th> <th>D(m)</th> </tr> </thead> <tbody> <tr><td>1</td><td>195</td><td>1.72</td></tr> <tr><td>2</td><td>49</td><td>3.44</td></tr> <tr><td>3</td><td>22</td><td>5.15</td></tr> <tr><td>4</td><td>12</td><td>6.87</td></tr> <tr><td>5</td><td>8</td><td>8.59</td></tr> </tbody> </table> <p>Luminous flux luminaire 419 lm</p>	h(m)	E(lx)	D(m)	1	195	1.72	2	49	3.44	3	22	5.15	4	12	6.87	5	8	8.59
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<p>L: 3000 mm 06.5074.40 06.5074.14</p>	<table border="1"> <thead> <tr> <th>h(m)</th> <th>E(lx)</th> <th>D(m)</th> </tr> </thead> <tbody> <tr><td>1</td><td>585</td><td>1.72</td></tr> <tr><td>2</td><td>146</td><td>3.44</td></tr> <tr><td>3</td><td>65</td><td>5.15</td></tr> <tr><td>4</td><td>37</td><td>6.87</td></tr> <tr><td>5</td><td>23</td><td>8.59</td></tr> </tbody> </table> <p>Luminous flux luminaire 1257 lm</p>	h(m)	E(lx)	D(m)	1	585	1.72	2	146	3.44	3	65	5.15	4	37	6.87	5	23	8.59	<p>L: 3000 mm 06.5024.40 06.5024.14</p>	<table border="1"> <thead> <tr> <th>h(m)</th> <th>E(lx)</th> <th>D(m)</th> </tr> </thead> <tbody> <tr><td>1</td><td>585</td><td>1.72</td></tr> <tr><td>2</td><td>146</td><td>3.44</td></tr> <tr><td>3</td><td>65</td><td>5.15</td></tr> <tr><td>4</td><td>37</td><td>6.87</td></tr> <tr><td>5</td><td>23</td><td>8.59</td></tr> </tbody> </table> <p>Luminous flux luminaire 1257 lm</p>	h(m)	E(lx)	D(m)	1	585	1.72	2	146	3.44	3	65	5.15	4	37	6.87	5	23	8.59
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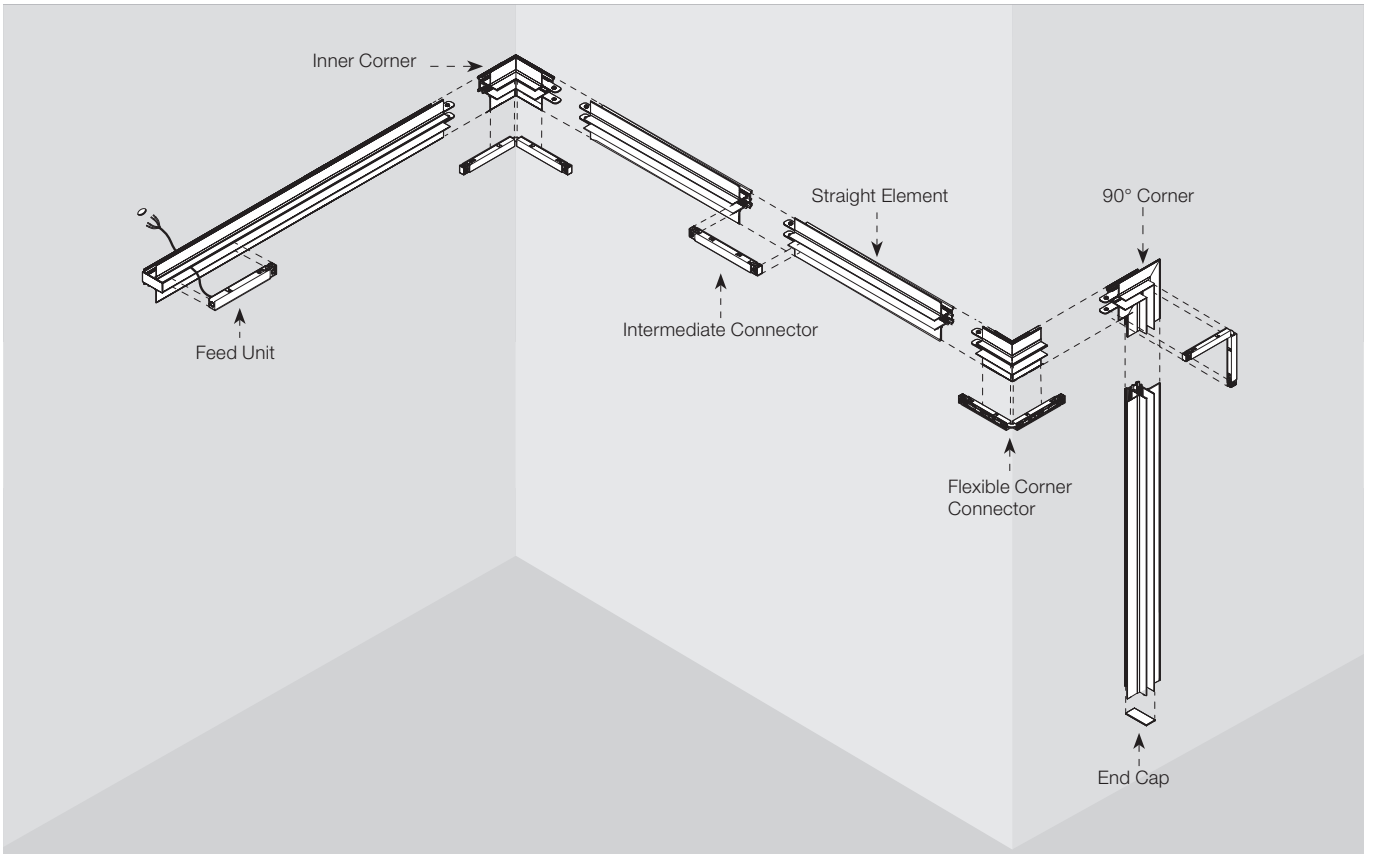
THE TRACKING MAGNET SUSPENSION UP&DOWN – PROFILES

Accessories / Accesorios

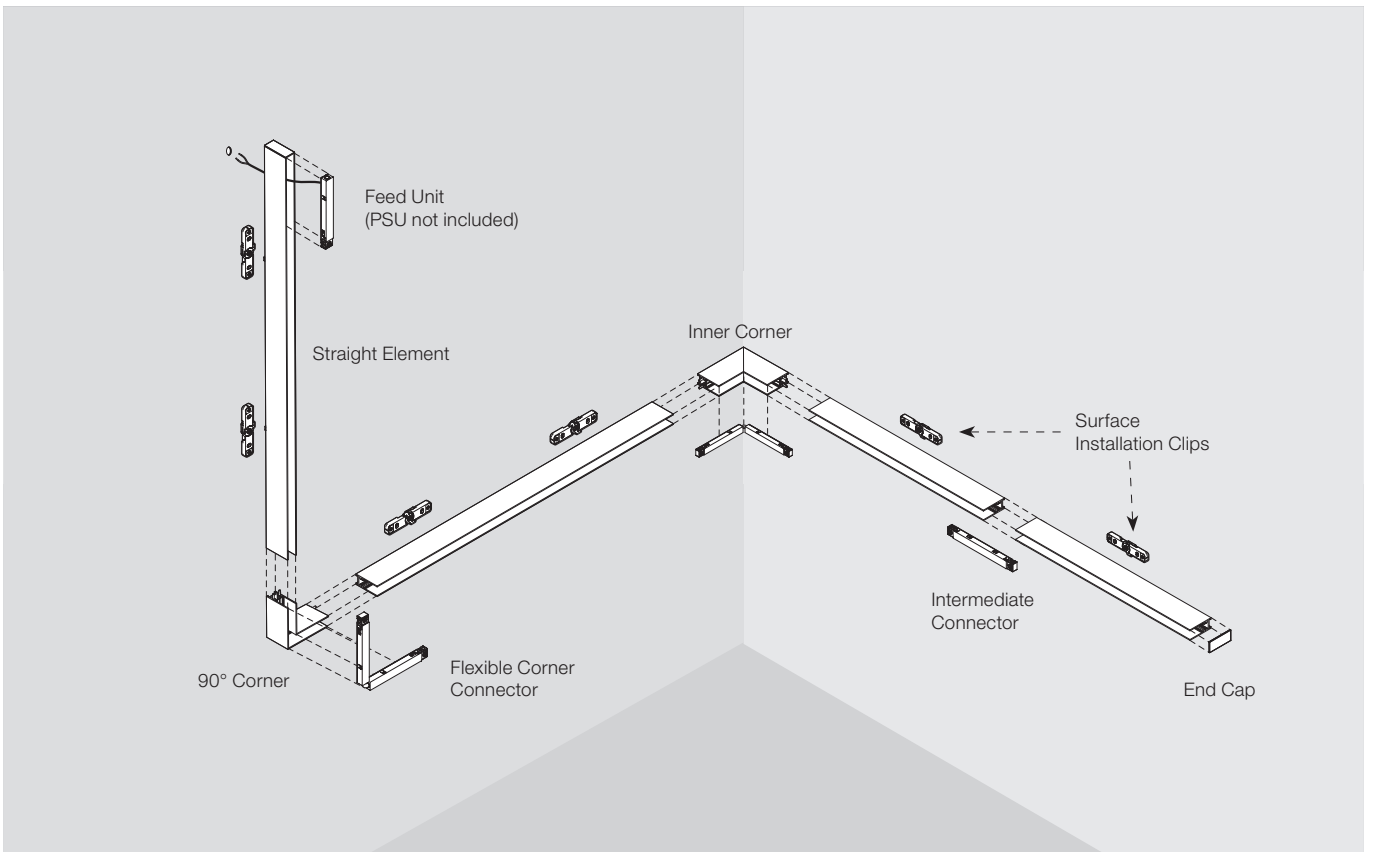
<p>90° mechanical angle. Two end suspension connections included. Steel cable not included. No lighting on the upper part. Upper part connections included.</p>	<p>Esquina mecánica 90°. Dos conexiones finales de suspensión incluidas. Cable de acero no incluido. Sin iluminación en la parte superior. Conexiones de la parte superior incluidas.</p>			<p>06.5025.40 06.5025.05 06.5025.14</p>								
<p>Intermediate suspension kit for joining profiles. It includes the electrical connection of the upper part. An intermediate connector is necessary. It must be ordered separately. Steel cable not included.</p>	<p>Kit de suspensión intermedio para unión de perfiles. Incluye la conexión eléctrica de la parte superior. Necesario conector intermedio, pedir por separado. Cable de acero no incluido.</p>		<p>08.0627.00</p>									
<p>Power connector. Includes two suspension accessories for the profile ends and a 6-pole and 4-meter long electrical cable. Steel cable not included. Central suspension accessories are included in the profile.</p>	<p>Conector alimentación. Incluye dos accesorios de suspensión para los extremos del perfil y cable eléctrico de 6 polos y 4 m. Cable de acero no incluido. Los accesorios de suspensión centrales vienen incluidos en el perfil.</p>			<p>08.0626.00</p>								
<p>Intermediate connector.</p>	<p>Conector intermedio.</p>			<p>Straight 08.0612.14</p>								
<p>End caps. To be ordered separately. 2 unit kit.</p>	<p>Tapas. Se deben pedir por separado. Kit de 2 unidades.</p>			<p>Flexible/Electrical corner 08.0614.14</p>								
<p>End caps. To be ordered separately. 2 unit kit.</p>	<p>Tapas. Se deben pedir por separado. Kit de 2 unidades.</p>		<p>06.5026.40 06.5026.05 06.5026.14</p>									
<p>Surface rose. Equipment, power cable and suspension cable not included. They must be ordered separately.</p>	<p>Rosetón de alimentación de superficie. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.</p>		<p>08.8883.40A 08.8883.14A</p>									
<p>Recessed power supply rose. Equipment, power cable and suspension cable not included. They must be ordered separately.</p>	<p>Rosetón de alimentación empotrado. Equipo, cable de alimentación y de suspensión no incluidos, pedir por separado.</p>		<p>08.8889.40 08.8889.14</p>									
<p>4-pole, 0.75 mm² section, 4-meter long, transparent power cable.</p>	<p>Cable de alimentación transparente de 4 polos, 0,75 mm² de sección y 4m de longitud.</p>		<p>06.0157.00</p>									
<p>Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required. Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.</p>												
<p>Suspension rod with 1 m rose. m6 thread. Not applicable with a surface power box.</p>	<p>Varilla de suspensión de 1m con rosetón con fileteado m6. No aplicable con caja de alimentación de superficie.</p>		<p>60.3014.11 60.3014.14</p>									
<p>1m suspension rod extension set m6 thread.</p>	<p>Alargo para varilla de suspensión de 1m con fileteado m6.</p>		<p>60.3097.11 60.3097.14</p>									
<p>Number of fastening elements necessary (cables and connections): when linear profiles are joined, the number necessary for recessed installation is equal to the sum of the elements necessary for each profile minus one for each junction. For surface installation, the number is equal to the sum of the elements.</p>	<p>Cantidad de elementos de fijación necesarios (cables o varillas): cuando se realice la unión de perfiles rectilíneos, la cantidad necesaria para instalaciones recessed resultará de la suma de los elementos necesarios por cada perfil menos uno por cada unión. Mientras que para las instalaciones "Surface" resultará de la suma de los elementos.</p>		<p>08.8634.00</p>									
<p>Surface power supply with driver included 320W / 48Vdc. Steel and electric cables not included. Not valid for installation with suspension rods. DALI / 1-10V / 0-10V / No dim.</p>	<p>Caja de alimentación de superficie con equipo incluido 320W / 48Vdc. Cables de acero y eléctricos no incluidos. No válido para instalación con varillas de suspensión. DALI / 1-10V / 0-10V / No dim.</p>		<table border="1"> <thead> <tr> <th>Profile (mm)</th> <th>Quantities Fixing Kit (units)</th> </tr> </thead> <tbody> <tr> <td>1000 / 1500</td> <td>2</td> </tr> <tr> <td>2000 / 2500</td> <td>3</td> </tr> <tr> <td>3000</td> <td>4</td> </tr> </tbody> </table>	Profile (mm)	Quantities Fixing Kit (units)	1000 / 1500	2	2000 / 2500	3	3000	4	<p>1-10V 08.0631.40 08.0631.14 Dali Version 08.0632.40 08.0632.14</p>
Profile (mm)	Quantities Fixing Kit (units)											
1000 / 1500	2											
2000 / 2500	3											
3000	4											

THE TRACKING MAGNET – INSTALLATION PROFILES

RECESSED INSTALLATION

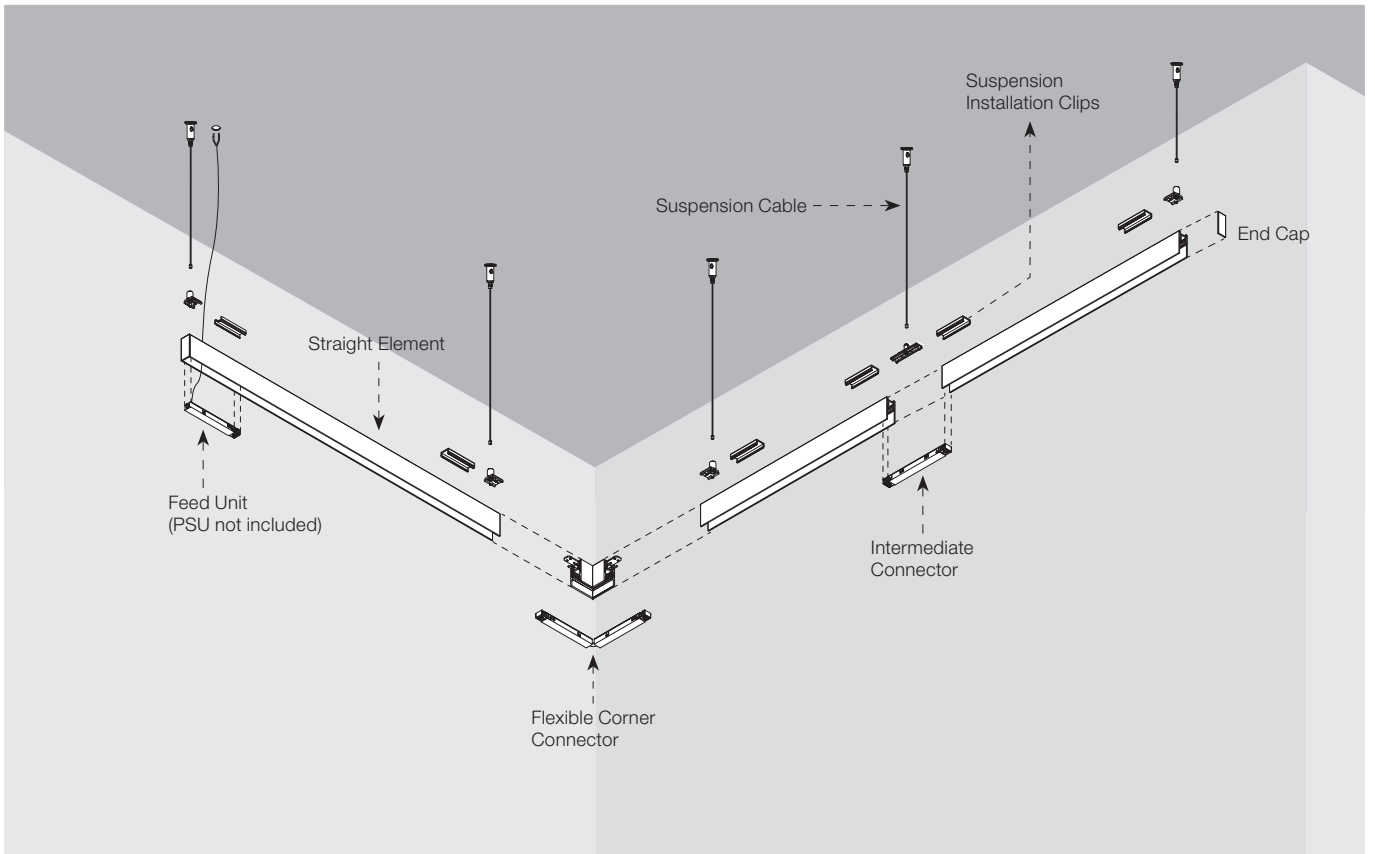


SURFACE INSTALLATION



THE TRACKING MAGNET – INSTALLATION PROFILES

SUSPENSION INSTALLATION



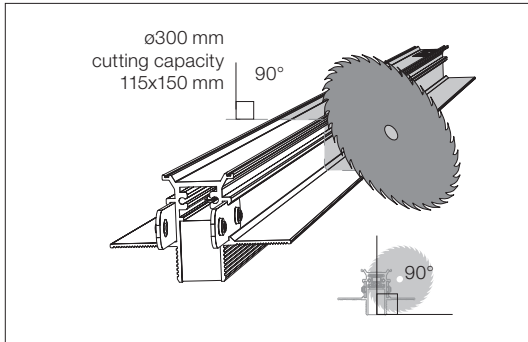
THE TRACKING MAGNET – FAQ

• Can I feed a structure directly from a corner?

Yes. One or two power connectors must be used for linear profiles along with the corner, depending on whether you want to power just one of the profiles connected to the corner or both profiles.

• Can I cut a profile?

Yes, profiles can be cut to the desired size, except for the Up & Down version. The electrical continuity is done with the intermediate connector. If you need a new power cable after cutting, you must drill the power cable's pass-through hole in the area free of graphite tracks reserved for that purpose and use a feed connector, you should never drill through the graphite tracks.



• What is the maximum distance allowed between the driver and the profile?

With the recommended power sources, the maximum distance permitted is:
 . Ø1.5 mm cable: 3 m
 . Ø2.5 mm cable: 5 m

• What is the maximum length that can be fed with one power supply?

The maximum length of a profile that can be fed with a power supply is 20 meters or the resulting distance after 7 interconnections including cuts.

• Can I use a different, less powerful power supply?

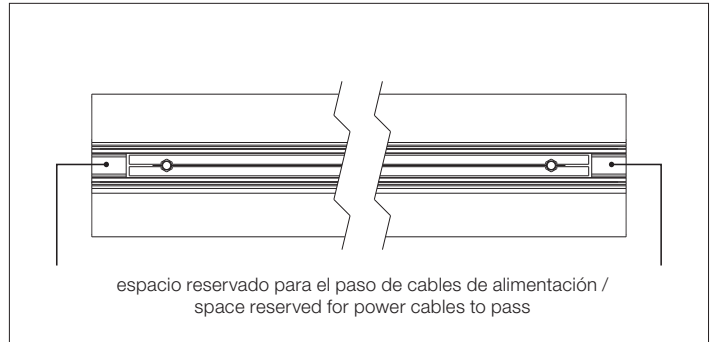
All the information published on our website, catalogue and installation instructions meet the tests executed with the power sources recommended for our products. It must be a 48V power source with a maximum power of 320W.

• ¿Puedo alimentar una estructura directamente desde una esquina?

Sí, hay que usar uno o dos conectores de alimentación para los perfiles lineales junto a la esquina, en función de si se quiere alimentar solo uno de los perfiles conectados al corner o los dos.

• ¿Puedo cortar un perfil?

Sí, los perfiles se pueden cortar a la medida deseada, salvo en las versiones Up&Down. Siempre hay que cortar respetando el espacio reservado para el paso del cable de alimentación. La continuidad eléctrica se realiza con el conector intermedio. En caso de necesitar una nueva alimentación tras el corte, se debe taladrar para el paso del cable de alimentación, en la zona sin pistas de grafito reservada a tal efecto y usar un conector de alimentación, nunca se debe taladrar a través de las pistas de grafito.



• ¿Cuál es la distancia máxima permitida entre la fuente de alimentación y el perfil?

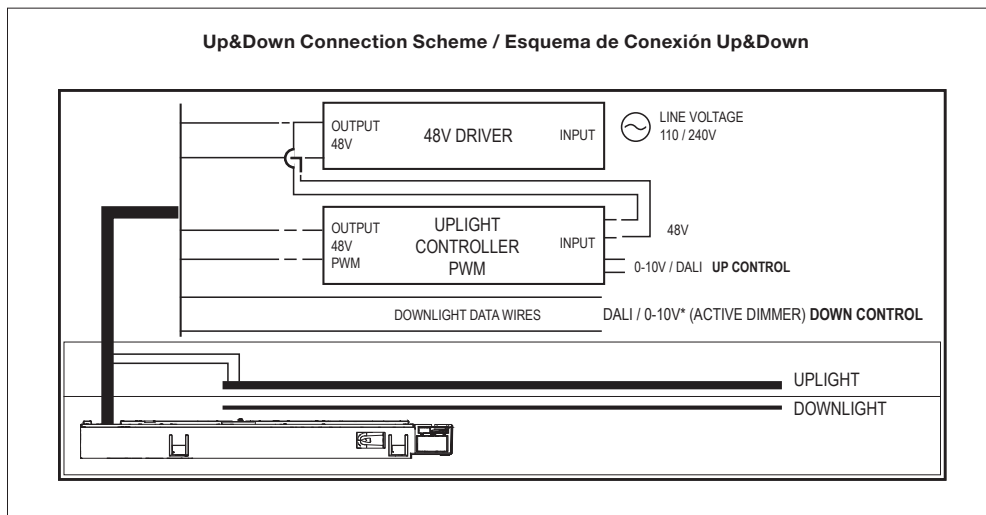
Con las fuentes de alimentación recomendadas, la distancia máxima permitida es:
 . Cable de Ø1,5 mm: 3 m
 . Cable de Ø2,5 mm: 5 m

• ¿Cuál es la longitud máxima que se puede alimentar con una fuente de alimentación en una estructura?

La longitud máxima de un perfil que puede alimentarse con una fuente de alimentación es 20 metros o la distancia resultante después de 7 interconexiones incluyendo los cortes.

• ¿Puedo utilizar una fuente de alimentación diferente - menos potente?

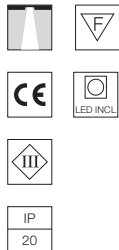
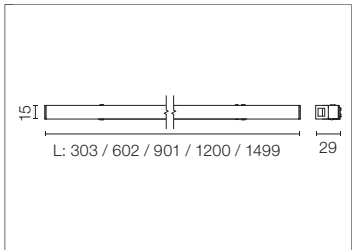
Toda la información publicada en nuestra web, catálogo e instrucciones de instalación se ajusta a los tests realizados con las fuentes de alimentación recomendadas para nuestros productos. Debe ser una fuente de alimentación de 48V con una potencia máxima de 320W.



THE TRACKING MAGNET – LIGHT MODULES

Light Stripe

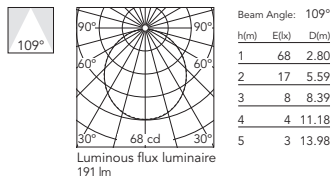
Light Source: Top LED 20W/m - 1859 lm/m - 2700K/CRI 90 / 20W/m - 1967 lm/m - 3000K/CRI 90



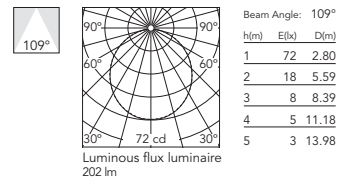
Diffused LED light module to be installed in The Tracking Magnet System. Opal end covers not included. They must be ordered separately (08.0125.00). For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de luz difusa para ser instalado en el sistema The Tracking Magnet. Tapas finales opales no incluidas, pedir por separado (08.0125.00). Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

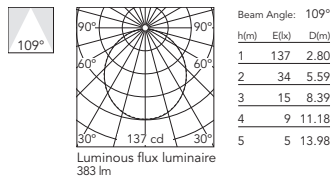
- 2700K**
 L: 300 mm - 6W - 558lm
 On board dimmer
 ■ 03.8000.14
 *Dali Version
 ■ 03.8000.14.DA
 *1-10V
 ■ 03.8000.14.1V
 **Casambi integrated
 ■ 03.8000.14.CB



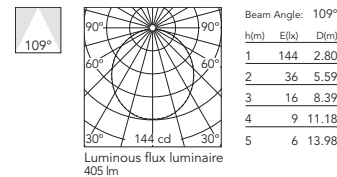
- 3000K**
 L: 300 mm - 6W - 590lm
 On board dimmer
 ■ 03.8005.14
 *Dali Version
 ■ 03.8005.14.DA
 *1-10V
 ■ 03.8005.14.1V
 **Casambi integrated
 ■ 03.8005.14.CB



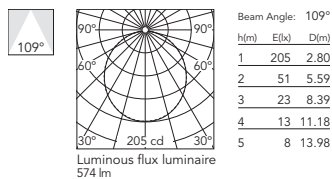
- 2700K**
 L: 600 mm - 12W - 1115lm
 On board dimmer
 ■ 03.8001.14
 *Dali Version
 ■ 03.8001.14.DA
 *1-10V
 ■ 03.8001.14.1V
 **Casambi integrated
 ■ 03.8001.14.CB



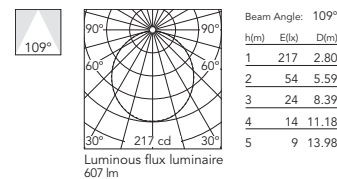
- 3000K**
 L: 600 mm - 12W - 1180lm
 On board dimmer
 ■ 03.8006.14
 *Dali Version
 ■ 03.8006.14.DA
 *1-10V
 ■ 03.8006.14.1V
 **Casambi integrated
 ■ 03.8006.14.CB



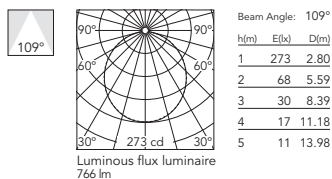
- 2700K**
 L: 900 mm - 18W - 1673lm
 On board dimmer
 ■ 03.8002.14
 *Dali Version
 ■ 03.8002.14.DA
 *1-10V
 ■ 03.8002.14.1V
 **Casambi integrated
 ■ 03.8002.14.CB



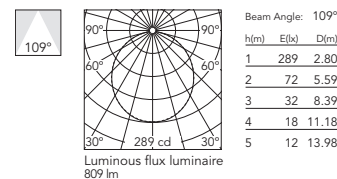
- 3000K**
 L: 900 mm - 18W - 1770lm
 On board dimmer
 ■ 03.8007.14
 *Dali Version
 ■ 03.8007.14.DA
 *1-10V
 ■ 03.8007.14.1V
 **Casambi integrated
 ■ 03.8007.14.CB



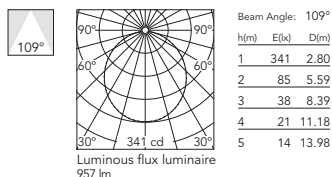
- 2700K**
 L: 1200 mm - 24W - 2230lm
 On board dimmer
 ■ 03.8003.14
 *Dali Version
 ■ 03.8003.14.DA
 *1-10V
 ■ 03.8003.14.1V
 **Casambi integrated
 ■ 03.8003.14.CB



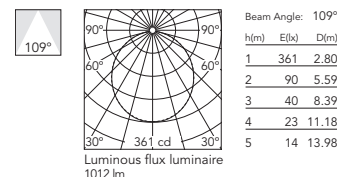
- 3000K**
 L: 1200 mm - 24W - 2360lm
 On board dimmer
 ■ 03.8008.14
 *Dali Version
 ■ 03.8008.14.DA
 *1-10V
 ■ 03.8008.14.1V
 **Casambi integrated
 ■ 03.8008.14.CB



- 2700K**
 L: 1500 mm - 30W - 2788lm
 On board dimmer
 ■ 03.8004.14
 *Dali Version
 ■ 03.8004.14.DA
 *1-10V
 ■ 03.8004.14.1V
 **Casambi integrated
 ■ 03.8004.14.CB



- 3000K**
 L: 1500 mm - 30W - 2950lm
 On board dimmer
 ■ 03.8009.14
 *Dali Version
 ■ 03.8009.14.DA
 *1-10V
 ■ 03.8009.14.1V
 **Casambi integrated
 ■ 03.8009.14.CB



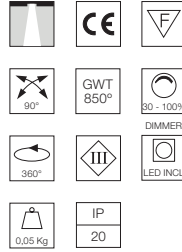
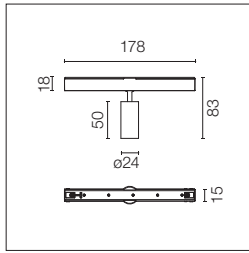
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET – LIGHT MODULES

Spot 50

Light Source: Power LED 3,5W - 286 lm - 2700K/CRI 90 / 3,5W - 307 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Accessories included (honeycomb and screening crosspiece).

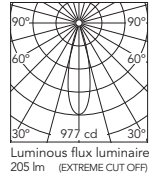
Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8032.40
- 03.8032.05
- 03.8032.14
- *Dali Version
- 03.8032.40.DA
- 03.8032.05.DA
- 03.8032.14.DA
- *1-10V
- 03.8032.40.1V
- 03.8032.05.1V
- 03.8032.14.1V
- **Casambi integrated
- 03.8032.40.CB
- 03.8032.05.CB
- 03.8032.14.CB



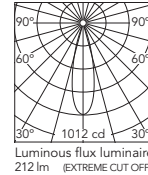
Beam Angle: 26°

h(m)	Ef(lx)	D(m)
1	977	0.47
2	244	0.94
3	109	1.41
4	61	1.88
5	39	2.35

3000K

On board dimmer

- 03.8033.40
- 03.8033.05
- 03.8033.14
- *Dali Version
- 03.8033.40.DA
- 03.8033.05.DA
- 03.8033.14.DA
- *1-10V
- 03.8033.40.1V
- 03.8033.05.1V
- 03.8033.14.1V
- **Casambi integrated
- 03.8033.40.CB
- 03.8033.05.CB
- 03.8033.14.CB



Beam Angle: 26°

h(m)	Ef(lx)	D(m)
1	1012	0.47
2	253	0.94
3	112	1.41
4	63	1.88
5	40	2.35

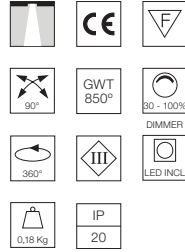
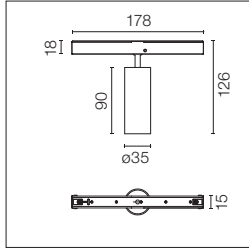
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET – LIGHT MODULES

Spot 90

Light Source: Power LED 8,5W - 610 lm - 2700K/CRI 90 / 8,5W - 656 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

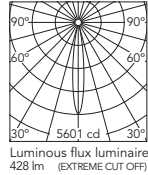
Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8042.40
- 03.8042.05
- 03.8042.14
- *Dali Version
- 03.8042.40.DA
- 03.8042.05.DA
- 03.8042.14.DA
- *1-10V
- 03.8042.40.1V
- 03.8042.05.1V
- 03.8042.14.1V
- **Casambi integrated
- 03.8042.40.CB
- 03.8042.05.CB
- 03.8042.14.CB



Beam Angle: 14°

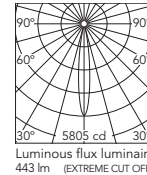
h(m)	E(lx)	D(m)
1	5601	0.25
2	1400	0.49
3	622	0.74
4	350	0.98
5	224	1.23

Luminous flux luminaire 428 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8043.40
- 03.8043.05
- 03.8043.14
- *Dali Version
- 03.8043.40.DA
- 03.8043.05.DA
- 03.8043.14.DA
- *1-10V
- 03.8043.40.1V
- 03.8043.05.1V
- 03.8043.14.1V
- **Casambi integrated
- 03.8043.40.CB
- 03.8043.05.CB
- 03.8043.14.CB



Beam Angle: 14°

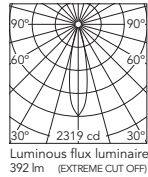
h(m)	E(lx)	D(m)
1	5805	0.25
2	1451	0.49
3	645	0.74
4	363	0.98
5	232	1.23

Luminous flux luminaire 443 lm (EXTREME CUT OFF)

2700K

On board dimmer

- 03.8044.40
- 03.8044.05
- 03.8044.14
- *Dali Version
- 03.8044.40.DA
- 03.8044.05.DA
- 03.8044.14.DA
- *1-10V
- 03.8044.40.1V
- 03.8044.05.1V
- 03.8044.14.1V
- **Casambi integrated
- 03.8044.40.CB
- 03.8044.05.CB
- 03.8044.14.CB



Beam Angle: 22°

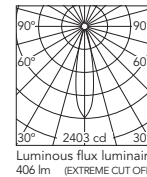
h(m)	E(lx)	D(m)
1	2319	0.38
2	580	0.77
3	258	1.15
4	145	1.54
5	93	1.92

Luminous flux luminaire 392 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8045.40
- 03.8045.05
- 03.8045.14
- *Dali Version
- 03.8045.40.DA
- 03.8045.05.DA
- 03.8045.14.DA
- *1-10V
- 03.8045.40.1V
- 03.8045.05.1V
- 03.8045.14.1V
- **Casambi integrated
- 03.8045.40.CB
- 03.8045.05.CB
- 03.8045.14.CB



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2403	0.38
2	601	0.77
3	267	1.15
4	150	1.54
5	96	1.92

Luminous flux luminaire 406 lm (EXTREME CUT OFF)

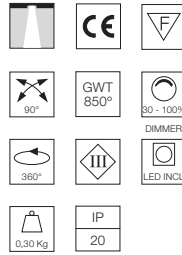
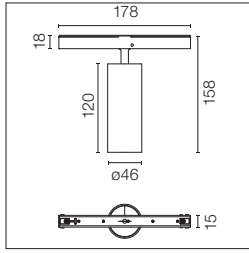
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET – LIGHT MODULES

Spot 120

Light Source: Power LED 12W - 724 lm - 2700K/CRI 90 / 12W - 779 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

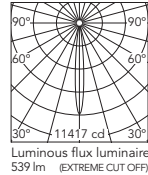
Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8052.40
- 03.8052.05
- 03.8052.14
- *Dali Version
- 03.8052.40.DA
- 03.8052.05.DA
- 03.8052.14.DA
- *1-10V
- 03.8052.40.1V
- 03.8052.05.1V
- 03.8052.14.1V
- **Casambi integrated
- 03.8052.40.CB
- 03.8052.05.CB
- 03.8052.14.CB



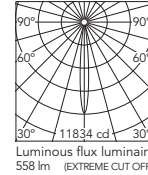
Beam Angle: 11°			
h(m)	E(lx)	D(m)	
1	11417	0.19	
2	2854	0.37	
3	1269	0.56	
4	714	0.75	
5	457	0.93	

Luminous flux luminaire 539 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8053.40
- 03.8053.05
- 03.8053.14
- *Dali Version
- 03.8053.40.DA
- 03.8053.05.DA
- 03.8053.14.DA
- *1-10V
- 03.8053.40.1V
- 03.8053.05.1V
- 03.8053.14.1V
- **Casambi integrated
- 03.8053.40.CB
- 03.8053.05.CB
- 03.8053.14.CB



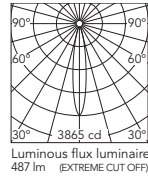
Beam Angle: 11°			
h(m)	E(lx)	D(m)	
1	11834	0.19	
2	2958	0.37	
3	1315	0.56	
4	740	0.75	
5	473	0.93	

Luminous flux luminaire 558 lm (EXTREME CUT OFF)

2700K

On board dimmer

- 03.8054.40
- 03.8054.05
- 03.8054.14
- *Dali Version
- 03.8054.40.DA
- 03.8054.05.DA
- 03.8054.14.DA
- *1-10V
- 03.8054.40.1V
- 03.8054.05.1V
- 03.8054.14.1V
- **Casambi integrated
- 03.8054.40.CB
- 03.8054.05.CB
- 03.8054.14.CB



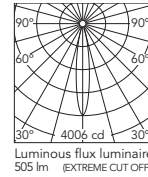
Beam Angle: 17°			
h(m)	E(lx)	D(m)	
1	3865	0.29	
2	966	0.59	
3	429	0.88	
4	242	1.18	
5	155	1.47	

Luminous flux luminaire 487 lm (EXTREME CUT OFF)

3000K

On board dimmer

- 03.8055.40
- 03.8055.05
- 03.8055.14
- *Dali Version
- 03.8055.40.DA
- 03.8055.05.DA
- 03.8055.14.DA
- *1-10V
- 03.8055.40.1V
- 03.8055.05.1V
- 03.8055.14.1V
- **Casambi integrated
- 03.8055.40.CB
- 03.8055.05.CB
- 03.8055.14.CB



Beam Angle: 17°			
h(m)	E(lx)	D(m)	
1	4006	0.29	
2	1001	0.59	
3	445	0.88	
4	250	1.18	
5	160	1.47	

Luminous flux luminaire 505 lm (EXTREME CUT OFF)

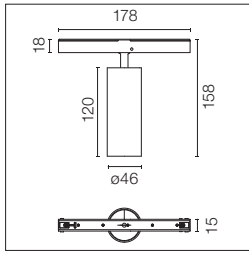
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET – LIGHT MODULES

Spot 120

Light Source: LED Array 12,5W - 1075 lm - 2700K/CRI 90 / 12,5W - 1138 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

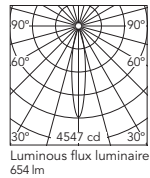
Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

2700K

On board dimmer

- 03.8154.40
- 03.8154.05
- 03.8154.14
- *Dali Version
- 03.8154.40.DA
- 03.8154.05.DA
- 03.8154.14.DA
- *1-10V
- 03.8154.40.1V
- 03.8154.05.1V
- 03.8154.14.1V
- **Casambi integrated
- 03.8154.40.CB
- 03.8154.05.CB
- 03.8154.14.CB



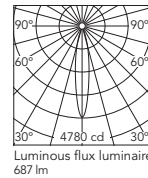
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4547	0.31
2	1137	0.61
3	505	0.92
4	284	1.23
5	182	1.53

3000K

On board dimmer

- 03.8155.40
- 03.8155.05
- 03.8155.14
- *Dali Version
- 03.8155.40.DA
- 03.8155.05.DA
- 03.8155.14.DA
- *1-10V
- 03.8155.40.1V
- 03.8155.05.1V
- 03.8155.14.1V
- **Casambi integrated
- 03.8155.40.CB
- 03.8155.05.CB
- 03.8155.14.CB



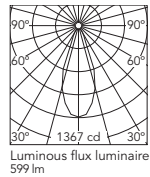
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	4780	0.31
2	1195	0.61
3	531	0.92
4	299	1.23
5	191	1.53

2700K

On board dimmer

- 03.8156.40
- 03.8156.05
- 03.8156.14
- *Dali Version
- 03.8156.40.DA
- 03.8156.05.DA
- 03.8156.14.DA
- *1-10V
- 03.8156.40.1V
- 03.8156.05.1V
- 03.8156.14.1V
- **Casambi integrated
- 03.8156.40.CB
- 03.8156.05.CB
- 03.8156.14.CB



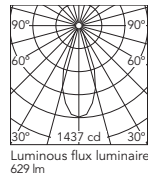
Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1367	0.73
2	342	1.45
3	152	2.18
4	85	2.91
5	55	3.64

3000K

On board dimmer

- 03.8157.40
- 03.8157.05
- 03.8157.14
- *Dali Version
- 03.8157.40.DA
- 03.8157.05.DA
- 03.8157.14.DA
- *1-10V
- 03.8157.40.1V
- 03.8157.05.1V
- 03.8157.14.1V
- **Casambi integrated
- 03.8157.40.CB
- 03.8157.05.CB
- 03.8157.14.CB



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	1437	0.73
2	359	1.45
3	160	2.18
4	90	2.91
5	57	3.64

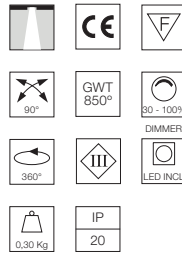
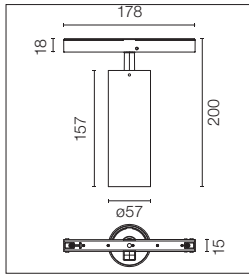
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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THE TRACKING MAGNET – LIGHT MODULES

Spot 150

Light Source: LED Array 22,5W - 2000 lm - 2700K/CRI 90 / 22,5W - 2115 lm - 3000K/CRI 90



Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.

2700K

On board dimmer

- 03.8072.40
- 03.8072.05
- 03.8072.14

*Dali Version

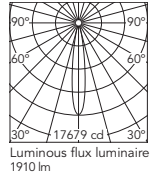
- 03.8072.40.DA
- 03.8072.05.DA
- 03.8072.14.DA

*1-10V

- 03.8072.40.1V
- 03.8072.05.1V
- 03.8072.14.1V

**Casambi integrated

- 03.8072.40.CB
- 03.8072.05.CB
- 03.8072.14.CB



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17679	0.28
2	4420	0.56
3	1964	0.84
4	1105	1.12
5	707	1.40

3000K

On board dimmer

- 03.8073.40
- 03.8073.05
- 03.8073.14

*Dali Version

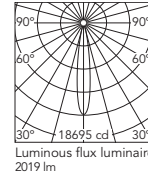
- 03.8073.40.DA
- 03.8073.05.DA
- 03.8073.14.DA

*1-10V

- 03.8073.40.1V
- 03.8073.05.1V
- 03.8073.14.1V

**Casambi integrated

- 03.8073.40.CB
- 03.8073.05.CB
- 03.8073.14.CB



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18695	0.28
2	4674	0.56
3	2077	0.84
4	1168	1.12
5	748	1.40

2700K

On board dimmer

- 03.8074.40
- 03.8074.05
- 03.8074.14

*Dali Version

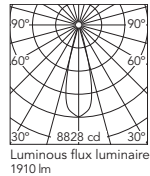
- 03.8074.40.DA
- 03.8074.05.DA
- 03.8074.14.DA

*1-10V

- 03.8074.40.1V
- 03.8074.05.1V
- 03.8074.14.1V

**Casambi integrated

- 03.8074.40.CB
- 03.8074.05.CB
- 03.8074.14.CB



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8828	0.50
2	2207	1.00
3	981	1.50
4	552	2.00
5	353	2.50

3000K

On board dimmer

- 03.8075.40
- 03.8075.05
- 03.8075.14

*Dali Version

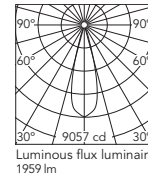
- 03.8075.40.DA
- 03.8075.05.DA
- 03.8075.14.DA

*1-10V

- 03.8075.40.1V
- 03.8075.05.1V
- 03.8075.14.1V

**Casambi integrated

- 03.8075.40.CB
- 03.8075.05.CB
- 03.8075.14.CB



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	9057	0.50
2	2264	1.00
3	1006	1.50
4	566	2.00
5	362	2.50

2700K

On board dimmer

- 03.8076.40
- 03.8076.05
- 03.8076.14

*Dali Version

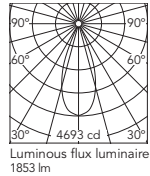
- 03.8076.40.DA
- 03.8076.05.DA
- 03.8076.14.DA

*1-10V

- 03.8076.40.1V
- 03.8076.05.1V
- 03.8076.14.1V

**Casambi integrated

- 03.8076.40.CB
- 03.8076.05.CB
- 03.8076.14.CB



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4693	0.73
2	1173	1.46
3	521	2.18
4	293	2.91
5	188	3.64

3000K

On board dimmer

- 03.8077.40
- 03.8077.05
- 03.8077.14

*Dali Version

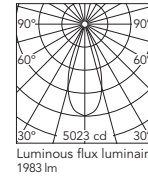
- 03.8077.40.DA
- 03.8077.05.DA
- 03.8077.14.DA

*1-10V

- 03.8077.40.1V
- 03.8077.05.1V
- 03.8077.14.1V

**Casambi integrated

- 03.8077.40.CB
- 03.8077.05.CB
- 03.8077.14.CB



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	5023	0.73
2	1256	1.46
3	558	2.18
4	314	2.91
5	201	3.64

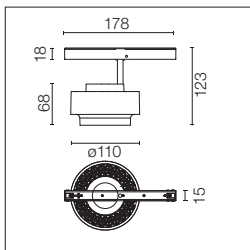
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

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THE TRACKING MAGNET – LIGHT MODULES

Anthony Spot Track By Antonio Citterio

Light Source: LED Array 16,5W - 1620 lm - 2700K/CRI 90 / 16,5W - 1730 lm - 3000K/CRI 90



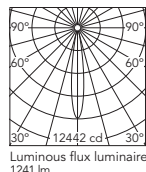
Accent lighting LED module to be installed in The Tracking Magnet System.
For wireless lighting control, choose integrated Casambi versions.
See available accessories.

Módulo de iluminación LED de acento para ser instalado en el sistema The Tracking Magnet.
Para el control inalámbrico de las luminarias seleccionar versiones Casambi integradas.
Ver accesorios disponibles.

2700K

On board dimmer

- 03.8025.40
- 03.8025.05
- 03.8025.14
- *Dali Version
- 03.8025.40.DA
- 03.8025.05.DA
- 03.8025.14.DA
- *1-10V
- 03.8025.40.1V
- 03.8025.05.1V
- 03.8025.14.1V
- **Casambi integrated
- 03.8025.40.CB
- 03.8025.05.CB
- 03.8025.14.CB



Beam Angle: 15°

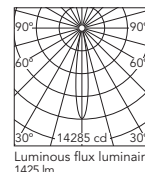
h(m)	Et(x)	D(m)
1	12442	0.27
2	3110	0.54
3	1382	0.81
4	778	1.07
5	498	1.34

Luminous flux luminaire 1241 lm

3000K

On board dimmer

- 03.8027.40
- 03.8027.05
- 03.8027.14
- *Dali Version
- 03.8027.40.DA
- 03.8027.05.DA
- 03.8027.14.DA
- *1-10V
- 03.8027.40.1V
- 03.8027.05.1V
- 03.8027.14.1V
- **Casambi integrated
- 03.8027.40.CB
- 03.8027.05.CB
- 03.8027.14.CB



Beam Angle: 15°

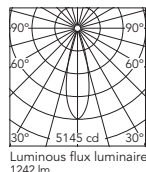
h(m)	Et(x)	D(m)
1	14285	0.27
2	3571	0.54
3	1587	0.81
4	893	1.07
5	571	1.34

Luminous flux luminaire 1425 lm

2700K

On board dimmer

- 03.8026.40
- 03.8026.05
- 03.8026.14
- *Dali Version
- 03.8026.40.DA
- 03.8026.05.DA
- 03.8026.14.DA
- *1-10V
- 03.8026.40.1V
- 03.8026.05.1V
- 03.8026.14.1V
- **Casambi integrated
- 03.8026.40.CB
- 03.8026.05.CB
- 03.8026.14.CB



Beam Angle: 28°

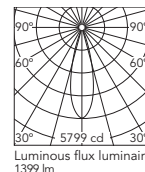
h(m)	Et(x)	D(m)
1	5145	0.49
2	1286	0.98
3	572	1.47
4	322	1.97
5	206	2.46

Luminous flux luminaire 1242 lm

3000K

On board dimmer

- 03.8028.40
- 03.8028.05
- 03.8028.14
- *Dali Version
- 03.8028.40.DA
- 03.8028.05.DA
- 03.8028.14.DA
- *1-10V
- 03.8028.40.1V
- 03.8028.05.1V
- 03.8028.14.1V
- **Casambi integrated
- 03.8028.40.CB
- 03.8028.05.CB
- 03.8028.14.CB



Beam Angle: 28°

h(m)	Et(x)	D(m)
1	5799	0.49
2	1450	0.98
3	644	1.47
4	362	1.97
5	232	2.46

Luminous flux luminaire 1399 lm

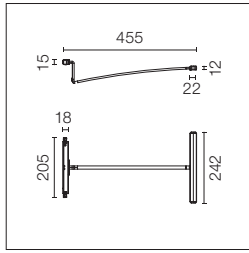
* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET – LIGHT MODULES

Wallee Designed By Niels Bendtsen

Light Source: Top LED 10W - 773 lm - 2700K/CRI 90 / 10W - 818 lm - 3000K/CRI 90



- GWT 850°
- 10 - 100% DIMMER
- 25° 25°
- III
- 0,22 Kg
- IP 20
- CE
- LED INCL
- F

Lighting LED module to be installed in The Tracking Magnet System. For wireless lighting control, choose integrated Casambi versions.

When installing Wallee, it may require a manual adjustment by the client/installer. Find information on how to carry out this adjustment in the instruction sheets. Only allowed with Tracking Magnet Recessed and horizontal installation. Includes frame holder up to 5kg.

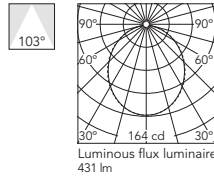
Módulo de iluminación LED para ser instalado en el sistema The Tracking Magnet. Para el control inalámbrico de las luminarias seleccionar versiones Casambi integrated.

Al instalar Wallee, puede que requiera un ajuste manual por parte del cliente/instalador. Puede encontrar la información sobre cómo realizar este ajuste en las hojas de instrucciones. Solo permitido para instalaciones con Tracking Magnet Recessed y en horizontal. Incluye soporte para cuadros de hasta 5kg.

2700K

On board dimmer

- 03.8090.40
- 03.8090.14
- *Dali Version*
- 03.8090.40.DA
- 03.8090.14.DA
- *1-10V*
- 03.8090.40.1V
- 03.8090.14.1V
- **Casambi integrated*
- 03.8090.40.CB
- 03.8090.14.CB

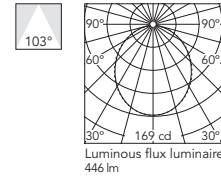


h(m)	E(lx)	D(m)
1	164	2.50
2	41	5.00
3	18	7.49
4	10	9.99
5	7	12.49

3000K

On board dimmer

- 03.8091.40
- 03.8091.14
- *Dali Version*
- 03.8091.40.DA
- 03.8091.14.DA
- *1-10V*
- 03.8091.40.1V
- 03.8091.14.1V
- **Casambi integrated*
- 03.8091.40.CB
- 03.8091.14.CB



h(m)	E(lx)	D(m)
1	169	2.50
2	42	5.00
3	19	7.49
4	11	9.99
5	7	12.49

Accesorios / Accessories

Spot 150

Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00

Anthony Spot

Elliptical lens.	Lente elíptica.		08.8418.68A
Honeycomb.	Honeycomb.		08.8419.14A
Flood lens. To obtain flood optics (35°) order Anthony Spot Medium + flood lens.	Lente flood. Para alcanzar óptica flood (35°) pedir Anthony Spot Medium + lente flood.		08.0050.00

* Only compatible with DALI, 1-10V profile version / Compatible solo con perfil en versión DALI, 1-10V.

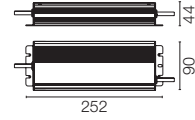
** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE TRACKING MAGNET

Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.

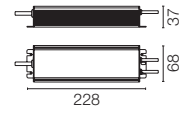
Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.



***60.8919

LED power supply source for remote installation, 48V/185W. 100/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/185W. 100/240 Vac.



***60.9024

Dimmable control box 1-10V, 48V. Necessary to transform sink 1-10V control systems into source ones. For remote installation.

Caja de control dimable 1-10V, 48V. Necesario para transformar sistemas de control 1-10V pasivos (sink) en activos (source). Para instalación remota.



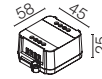
■ 08.0613.14A

An active control system (SOURCE) is required and the data bus must be connected directly to the profile. For passive systems (SINK), a Dimming BOX Control unit is required (located between the control unit and the profile). / Es necesario un sistema de control activo (SOURCE) y conectar el bus de datos de control directamente al perfil. Para sistemas pasivos (SINK), es necesaria la unidad Control Dimming BOX (ubicada entre la unidad de control y el carril).

The Tracking Magnet Suspension Up&Down version

DALI Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).

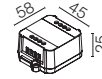
Uplight dimmer DALI Push 48V PWM para control de la iluminación indirecta (UP).



60.9391

1-10V Push 48V PWM Uplight dimmer for controlling indirect lighting (UP).

Uplight dimmer 1-10V Push 48V PWM para control de la iluminación indirecta (UP).

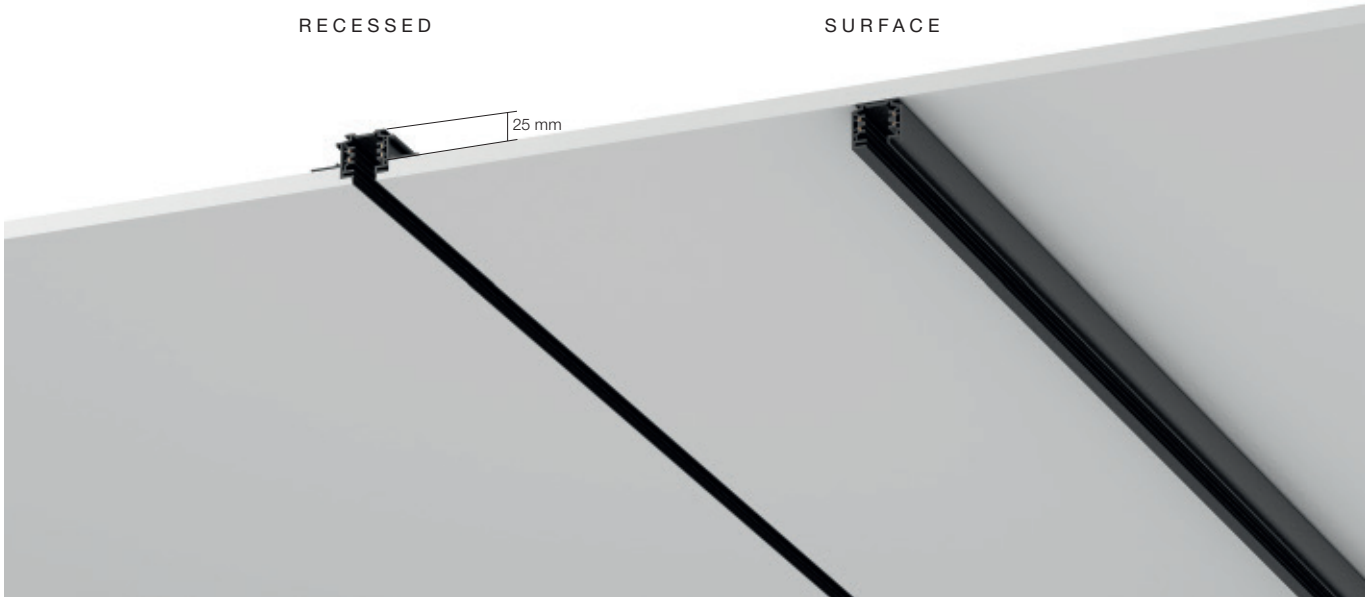


60.9395

*** For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source. / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

THE TRACKING POWER

DESIGNED BY FLOS ARCHITECTURAL



Recessed Profiles 14 Black
 14 Negro

Surface Profiles 40 White
 40 Blanco 14 Black
 14 Negro

LIGHT MODULES

UT PRO
150



LIGHT SOURCE
LED ARRAY
23,5W
2400 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2150 lm
4000K/CRI 90

UT PRO
175



LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

UT PRO
175 LENS



LIGHT SOURCE
LED ARRAY
35,3W
3950 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3400 lm
4000K/CRI 90

UT PRO
WALL-WASHER



LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

UT PRO
150 GA-69



LIGHT SOURCE
LED ARRAY
23,5W
2300 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2009 lm
4000K/CRI 90

UT PRO
175 GA-69



LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

UT PRO
175 LENS
GA-69



LIGHT SOURCE
LED ARRAY
35,3W
3950 lm
3000K/CRI 80
3250 lm
3000K/CRI 90
3400 lm
4000K/CRI 90

UT PRO
WALL-WASHER
GA-69



LIGHT SOURCE
TOP LED
25,5W
2700 lm
3000K/CRI 90
2900 lm
4000K/CRI 90

THE TRACKING POWER

Description

Exclusive 3-phase lighting profile for indoor use in ceiling recessed version which, thanks to its low visual impact, offers a complete integration into the architecture.

Tracking Power's structural profiles are manufactured in black extruded aluminium, fitted with electric tracks where luminaires are installed using the exclusive Flos mounting system.

Once the track has been installed, only a 15 mm thick line is noticeable.

The Tracking Power family is completed with a wide range of projectors which, combined with exclusive electronics integrated into the body of the luminaire, eliminate unnecessary volume and, as a result, have greater integration.

Standard 3-phase tracks solutions available, cannot be remotely dimmed.

Optic System

Light modules UT Pro 150 and UT Pro 175 are available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.

The light module UT Pro 175 Lens incorporates an adjustable lens which allows regulating the opening angle from 13° to 56°.

The light module UT Pro Wall-Washer brings a uniform light distribution in a high-performance wall-washer.

Accessories

Shielding cylinder, elliptical lens, flood and honeycomb lens for accent lighting modules UT Pro 150 and UT Pro 175 available.

Additional Information

All luminaires have incorporated a small adapter that, once installed, is completely integrated within the profile, especially designed for FLOS profile The Tracking Power. Luminaires with standard adapter Nordic GA69 for installation in FLOS standard 3-phase tracks available. Guaranteed compatibility with 3-phase tracks manufactured by Nordic, Eutrac, Erco, Zumtobel and iGuzzini.

Moreover, all the luminaires are available in surface version allowing to be fitted flush to the ceiling.

- UT Pro 150, UT Pro 175 and UT Pro 175 Lens:

Possibility of 360° rotation in the vertical axis and 90° rotation in the horizontal axis. Blocking mechanism for horizontal axis integrated.

IP20 protection grade.

- UT Pro Wall-Washer:

Possibility of 360° rotation in vertical axis and 15° rotation in horizontal axis.

Dali version available with GA-600 adaptor.

IP20 protection grade.

- Profile:

Can only be installed in 12.5mm thick plaster-board.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Exclusivo perfil trifásico de iluminación para interiores en versión empotrada en techo, que gracias a su bajo impacto visual, ofrece una total integración en la arquitectura.

Los perfiles estructurales del Tracking Power han sido realizados con aluminio extruido en negro, provistos de pistas eléctricas sobre las cuales se instalan las luminarias mediante el sistema exclusivo de fijación Flos.

Una vez instalado el perfil, solo se observa una pequeña línea de 15 mm de grosor.

La familia Tracking Power se completa con una amplia gama de proyectores que, combinados con una electrónica exclusiva integrada en el cuerpo de la luminaria eliminan volúmenes innecesarios y consiguen, como resultado, una gran integración.

Disponibles soluciones para perfiles trifásicos estándar y no admite regulación remota.

Sistema Óptico

Los módulos de luz UT Pro 150 y UT Pro 175 se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.

El módulo de luz UT Pro 175 Lens incorpora una lente ajustable que permite regular el ángulo de apertura de 13° a 56°.

El módulo de luz UT Pro Wall-Washer proporciona una distribución luminosa homogénea, convirtiéndose en un bañador de paredes de altas prestaciones.

Accesorios

Disponibles cruceta de apantallamiento, lente elíptica, lente flood y honeycomb para los módulos de iluminación de acento UT Pro 150 y UT Pro 175.

Información Adicional

Todas las luminarias montan adaptador de reducidas dimensiones que una vez instalado se integra en su totalidad dentro del perfil, especialmente diseñado para utilización en perfil FLOS The Tracking Power.

Disponibles luminarias con adaptador estándar Nordic GA69 para instalación en perfiles trifásicos estándar de FLOS. Compatibilidad garantizada con perfiles trifásicos fabricados por Nordic, Eutrac, Erco, Zumtobel e iGuzzini.

- UT Pro 150, UT Pro 175, UT Pro 175 Lens:

Posibilidad de rotación 360° en eje vertical y 90° en eje horizontal. Mecanismo de bloqueo para el eje horizontal incorporado.

Índice de protección IP20.

- UT Pro Wall-Washer:

Posibilidad de rotación 360° en eje vertical y 15° en el eje horizontal.

Disponibles versión Dali con adaptador GA-600.

Índice de protección IP20.

- Perfil:

Únicamente instalable en techos de cartón-yeso de 12,5mm de espesor.

Instalable sobre superficies normalmente inflamables.

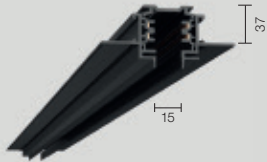
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 2 / 3 / 4 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Mains feed connector and End Cap



Right or Left

Feed 90° Corner

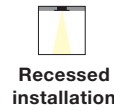


Right or Left
Electrical / mechanical joint

Intermediate connector



Straight



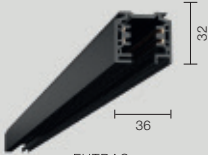
Recessed installation

Accessories

Adjustable ceiling kit
(Optional)



SURFACE/SUSPENSION DOWN PROFILE



EUTRAC



L: 1 / 2 / 3 m

Mains feed connector



Right

Left

End cap



Intermediate connector



Feed 90° Corner



Earth outside



Earth inside



Surface installation

Accessories

Ceiling fixing kit



Ceiling fixing kit



+

Suspension kit



THE TRACKING POWER

3 SELECT A LIGHT MODULE

UT Pro 150



On board dimmer



S/M/F

UT Pro 175



On board dimmer



S/M/F

UT Pro 175 Lens



On board dimmer



Lens in / Lens out

UT Pro Wall-Washer



Non dimmable



Wall-Washer

UT Pro 150



On board dimmer



S/M/F

UT Pro 175



On board dimmer

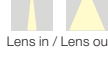


S/M/F

UT Pro 175 Lens



On board dimmer



Lens in / Lens out

UT Pro Wall-Washer



Non dimmable



Wall-Washer

UT Pro 150 GA-69



On board dimmer



S/M/F

UT Pro 175 GA-69



On board dimmer



S/M/F

UT Pro 175 Lens GA-69



On board dimmer



Lens in / Lens out

UT Pro Wall-Washer GA-69



Non dimmable



Wall-Washer

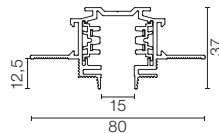
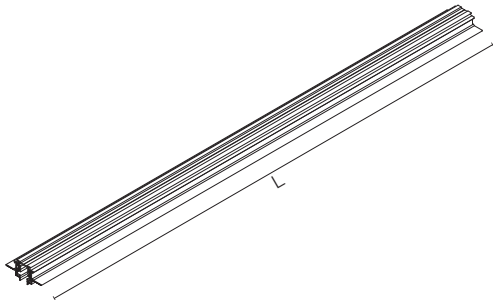
THE TRACKING POWER RECESSED – PROFILES

Profiles

Three-phase profile with minimum impact on the architecture (15 mm) for embedded installations in plasterboard ceilings.
 Linear profiles available in four lengths: 1 m, 2 m, 3 m and 4 m.
 90° corners on the same plane are also available (different elements for the left and right corners).
 A linear intermediate connector is required to connect several profiles. Power supply connectors available for the installation on the left or right-hand side.
 End caps included in the power supply connectors.
 The fastening of the Tracking Power is performed by screwing the sides of the profile to the plasterboard surface, aided by aluminium fastening profiles.
 The adjustable ceiling fastening kit (optional) permits the installation without the need for fastening aluminium profiles. Recommended for installations where the Tracking Power profile can be installed before the suspended plasterboard.

Perfiles

Perfil trifásico con mínimo impacto en la arquitectura (15 mm), para instalaciones empotradas en techos de cartón yeso.
 Perfiles lineales disponibles en cuatro longitudes: 1 m, 2 m, 3 m y 4 m.
 Disponibles esquinas de 90° en el mismo plano (diferentes elementos para esquina izquierda y derecha).
 Necesario conector intermedio lineal para conectar varios perfiles.
 Conectores de alimentación disponibles para instalación en lado izquierdo o derecho.
 Tapas incluidas en los conectores de alimentación.
 La fijación del Tracking Power se realiza atornillando las alas del perfil a la superficie de cartón yeso ayudándose de perfiles de aluminio de sujeción.
 El kit de sujeción a techo ajustable (opcional) permite la instalación sin necesidad de perfiles de aluminio de sujeción. Recomendado para instalaciones en las que se puede instalar el perfil Tracking Power antes que el falso techo de cartón yeso.

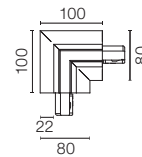


- L: 1000 mm
- 06.1800.14
- L: 2000 mm
- 06.1801.14
- L: 3000 mm
- 06.1802.14
- L: 4000 mm
- 06.1803.14

L: 1 m / 2 m / 3 m / 4 m

90° Corner.
 With electrical feeding connection.

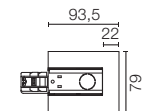
Esquina 90°.
 Con conexión de alimentación eléctrica.



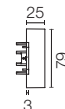
- Right
- 06.1804.14
- Left
- 06.1805.14

Feed connector. End cap included.

Conector alimentación. Tapa incluida.



- Right
- 06.1807.14
- Left
- 06.1806.14



Intermediate linear connector.

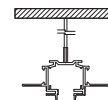
Conector lineal intermedio.



- 60.3319.14

Adjustable ceiling kit (optional).
 2 unit kit.

Kit de sujeción a techo ajustable
 (opcional). Kit de 2 unidades.



- 08.8439.14

Profile (mm)	Quantities Ceiling Kit (units)
1000	2
2000	4
3000	6
4000	8

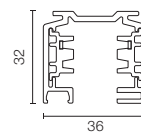
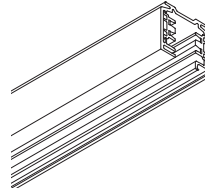
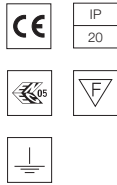
THE TRACKING POWER SURFACE – PROFILES

Profiles

Three-phase profile for standard EUTRAC surface installations compatible with Tracking Power light fixtures.

Perfiles

Perfil trifásico para instalaciones en superficie estándar EUTRAC, compatible con luminarias del sistema Tracking Power.



- 1000 mm
 - 60.3330.11A
 - 60.3330.14
- 2000 mm
 - 60.3331.11A
 - 60.3331.14
- 3000 mm
 - 60.3336.11A
 - 60.3336.14

L: 1 m / 2 m / 3 m

Feed connector.

Conector alimentación.



- Right
 - 60.3317.11A
 - 60.3317.14



- Left
 - 60.3318.11A
 - 60.3318.14

Intermediate linear connector.

Conector lineal intermedio.



- 60.3319.11A
- 60.3319.14

End cap.

Tapa.



- 60.3333.11A
- 60.3333.14

90° Corner.
With electrical feeding connection.

Esquina 90°.
Con conexión de alimentación eléctrica.



- Earth Outside
 - 60.3320.11A
 - 60.3320.14



- Earth Inside
 - 60.3321.11A
 - 60.3321.14

Ceiling fixture or fixture for suspension kit.

Fijación a techo o para kit de suspensión.



- 60.3351.11A
- 60.3351.14

Suspension kit, 1.5 m cable. Order together with 60.3351.

Kit de suspensión, cable 1.5 m. Pedir conjuntamente con 60.3351.

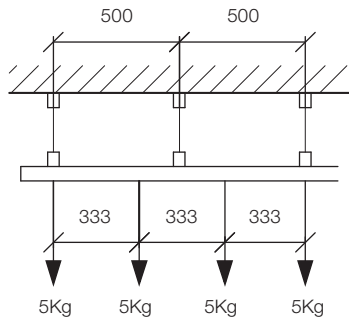
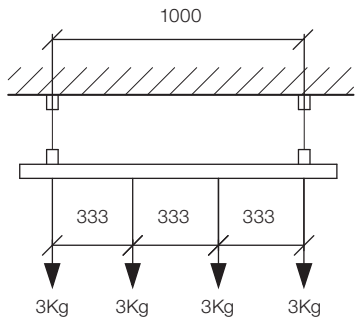
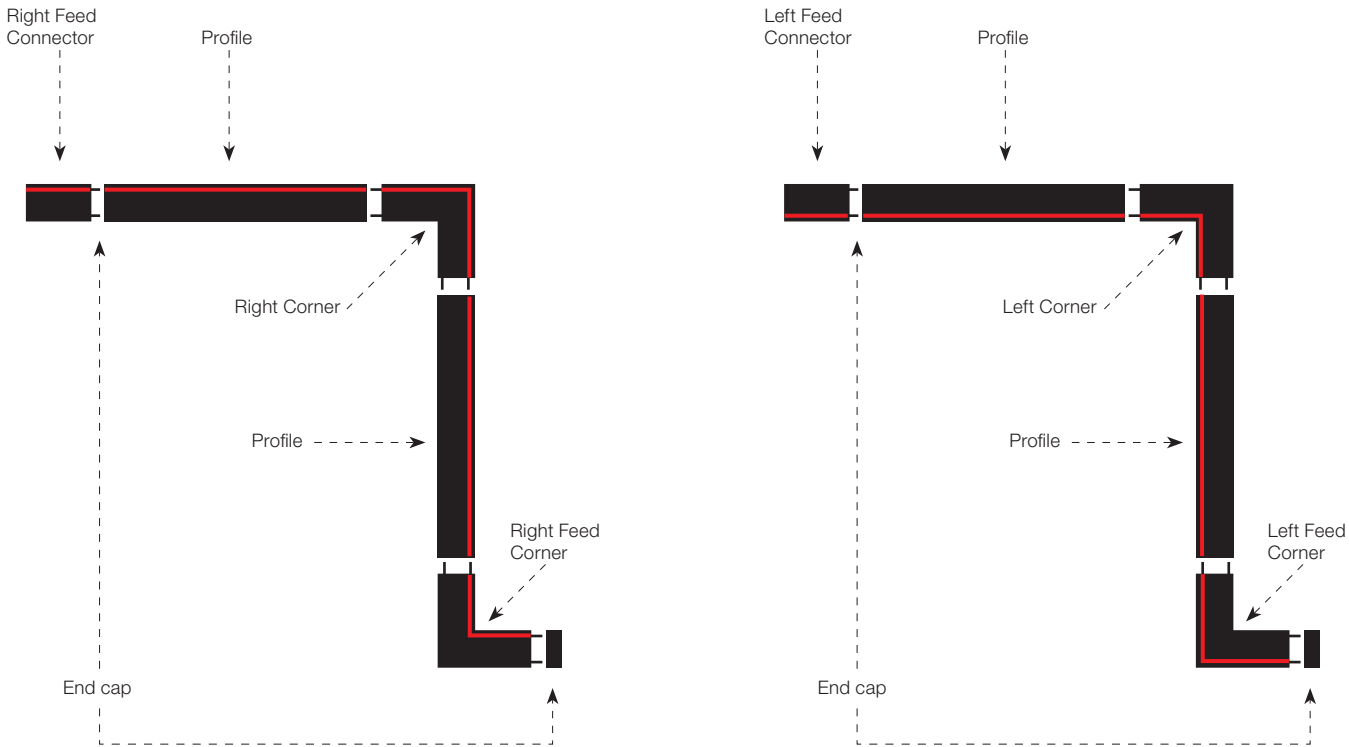


60.3345

THE TRACKING POWER RECESSED/SURFACE – INSTALLATION

The Tracking Power profile is asymmetric to ensure the electric safety in the installation, and it provides a unique form in the installation of luminaires. The diagram shows the position of the neutral track (red line) for the different possible configurations, which must be composed according to the requirements for each installation, respecting the electric continuity.

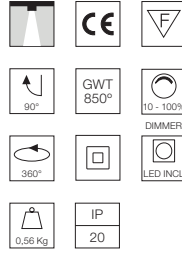
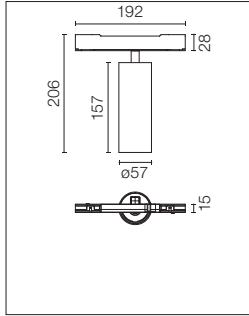
Para garantizar la seguridad eléctrica en la instalación, el perfil de Tracking Power es asimétrico y ofrece una forma única para la instalación de las luminarias. En el diagrama se muestra la posición del Perfil neutro (línea roja) para las distintas configuraciones posibles, que ha de componerse de acuerdo a los requisitos de cada instalación, respetando la continuidad eléctrica.



THE TRACKING POWER – LIGHT MODULES

UT Pro 150

Light Source: LED Array 23,5W - 2400 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90

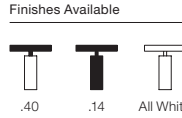


Spotlight to be installed in Tracking Power profile with LED light source. 120-277V power supply integrated. High performance reflector included.

Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

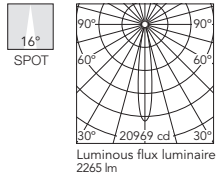
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



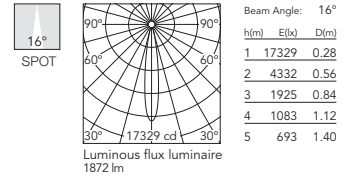
3000K - CRI 80 On board dimmer

- 09.7210.40A
- 09.7210.14A
- All White
- 09.7210.40A78



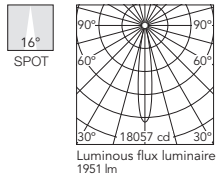
3000K - CRI 90 On board dimmer

- 09.7216.40A
- 09.7216.14A
- All White
- 09.7216.40A78



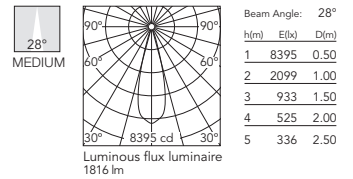
4000K - CRI 90 On board dimmer

- 09.7211.40A
- 09.7211.14A
- All White
- 09.7211.40A78



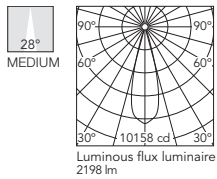
3000K - CRI 90 On board dimmer

- 09.7217.40A
- 09.7217.14A
- All White
- 09.7217.40A78



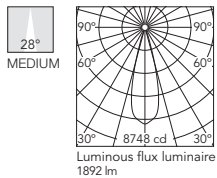
3000K - CRI 80 On board dimmer

- 09.7212.40A
- 09.7212.14A
- All White
- 09.7212.40A78



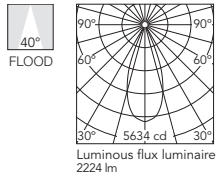
4000K - CRI 90 On board dimmer

- 09.7213.40A
- 09.7213.14A
- All White
- 09.7213.40A78



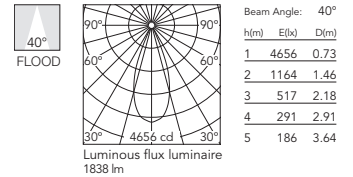
3000K - CRI 80 On board dimmer

- 09.7214.40A
- 09.7214.14A
- All White
- 09.7214.40A78



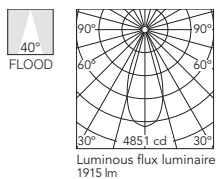
3000K - CRI 90 On board dimmer

- 09.7218.40A
- 09.7218.14A
- All White
- 09.7218.40A78



4000K - CRI 90 On board dimmer

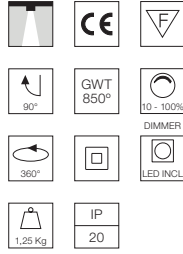
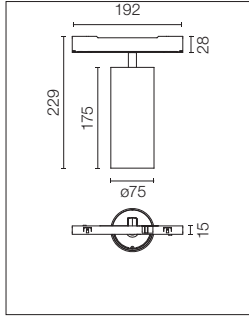
- 09.7215.40A
- 09.7215.14A
- All White
- 09.7215.40A78



THE TRACKING POWER – LIGHT MODULES

UT Pro 175

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90

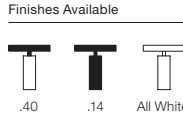


Spotlight to be installed in Tracking Power profile with LED light source. 120-277V power supply integrated. High performance reflector included.

Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 120-277V integrada. Incluye reflector de alto rendimiento.

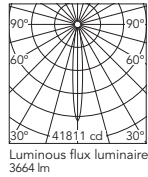
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



3000K - CRI 80 On board dimmer

- 09.7300.40
- 09.7300.14
- All White
- 09.7300.40.78



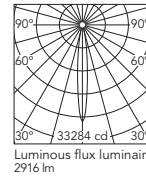
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	41811	0.21
2	10453	0.41
3	4646	0.62
4	2613	0.83
5	1672	1.03

Luminous flux luminaire 3664 lm

3000K - CRI 90 On board dimmer

- 09.7301.40
- 09.7301.14
- All White
- 09.7301.40.78



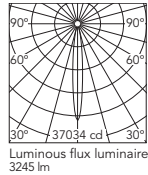
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	33284	0.21
2	8321	0.41
3	3698	0.62
4	2080	0.83
5	1331	1.03

Luminous flux luminaire 2916 lm

4000K - CRI 90 On board dimmer

- 09.7302.40
- 09.7302.14
- All White
- 09.7302.40.78



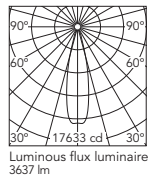
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	37034	0.21
2	9258	0.41
3	4115	0.62
4	2315	0.83
5	1481	1.03

Luminous flux luminaire 3245 lm

3000K - CRI 80 On board dimmer

- 09.7303.40
- 09.7303.14
- All White
- 09.7303.40.78



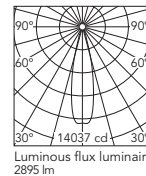
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	17633	0.44
2	4408	0.88
3	1959	1.32
4	1102	1.76
5	705	2.20

Luminous flux luminaire 3637 lm

3000K - CRI 90 On board dimmer

- 09.7304.40
- 09.7304.14
- All White
- 09.7304.40.78



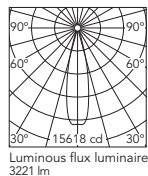
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14037	0.44
2	3509	0.88
3	1560	1.32
4	877	1.76
5	561	2.20

Luminous flux luminaire 2895 lm

4000K - CRI 90 On board dimmer

- 09.7305.40
- 09.7305.14
- All White
- 09.7305.40.78



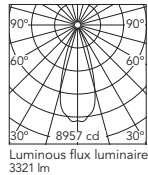
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15618	0.44
2	3904	0.88
3	1735	1.32
4	976	1.76
5	625	2.20

Luminous flux luminaire 3221 lm

3000K - CRI 80 On board dimmer

- 09.7306.40
- 09.7306.14
- All White
- 09.7306.40.78



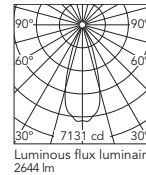
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	8957	0.66
2	2239	1.32
3	995	1.98
4	560	2.65
5	358	3.31

Luminous flux luminaire 3321 lm

3000K - CRI 90 On board dimmer

- 09.7307.40
- 09.7307.14
- All White
- 09.7307.40.78



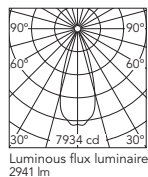
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7131	0.66
2	1783	1.32
3	792	1.98
4	446	2.65
5	285	3.31

Luminous flux luminaire 2644 lm

4000K - CRI 90 On board dimmer

- 09.7308.40
- 09.7308.14
- All White
- 09.7308.40.78



Beam Angle: 37°

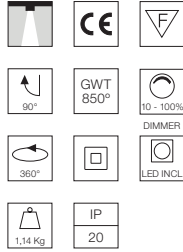
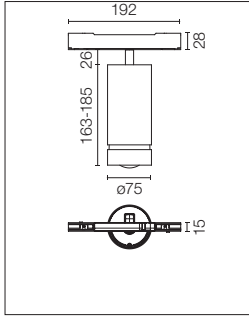
h(m)	E(lx)	D(m)
1	7934	0.66
2	1983	1.32
3	882	1.98
4	496	2.65
5	317	3.31

Luminous flux luminaire 2941 lm

THE TRACKING POWER – LIGHT MODULES

UT Pro 175 Lens

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90

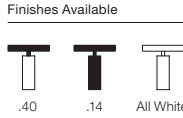


Spotlight to be installed in Tracking Power profile with LED light source. Includes adjustable lens allowing opening angle calibration from 13° to 56°. 120-277V power supply integrated.

Proyector para ser instalado en perfil Tracking Power con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13° a 56°. Fuente de alimentación 120-277V integrada.

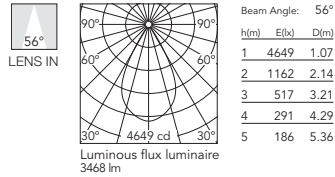
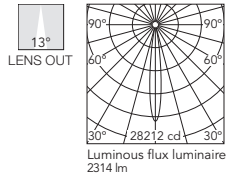
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



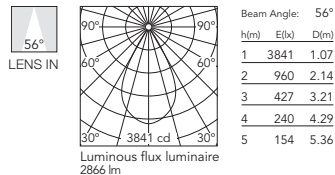
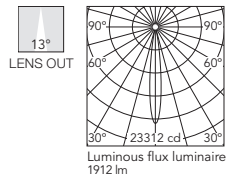
3000K - CRI 80 On board dimmer

- 09.7370.40
- 09.7370.14
- All White
- 09.7370.40.78



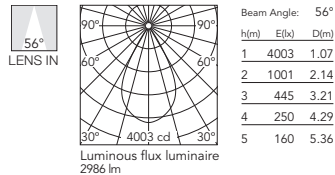
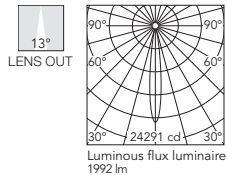
3000K - CRI 90 On board dimmer

- 09.7371.40
- 09.7371.14
- All White
- 09.7371.40.78



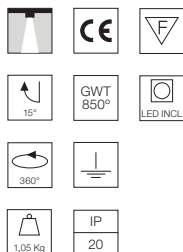
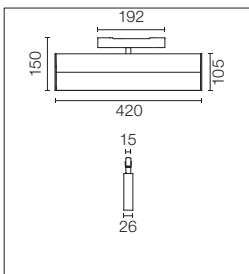
4000K - CRI 90 On board dimmer

- 09.7372.40
- 09.7372.14
- All White
- 09.7372.40.78



UT Pro Wall-Washer

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90

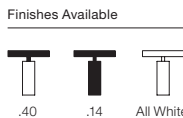


Wall-Washer lighting module to be installed in Tracking Power profile with LED light source. 220-240V power supply integrated.

Módulo de iluminación Wall-Washer para ser instalado en perfil Tracking Power con fuente de luz LED. Fuente de alimentación 220-240V integrada.

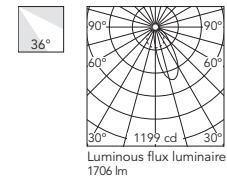
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



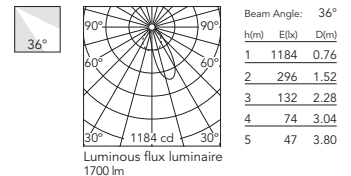
3000K - CRI 90 Non Dimmable

- 09.7500.40
- 09.7500.14
- All White
- 09.7500.40.78



4000K - CRI 90 Non Dimmable

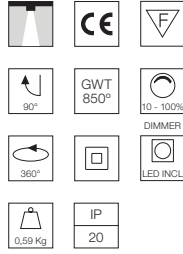
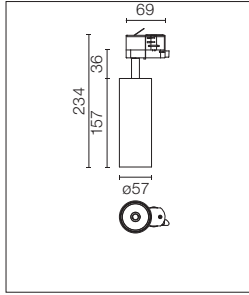
- 09.7501.40
- 09.7501.14
- All White
- 09.7501.40.78



THE TRACKING POWER – LIGHT MODULES

UT Pro 150 GA-69

Light Source: LED Array 23,5W - 2300 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2009 lm - 4000K/CRI 90

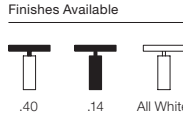


Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

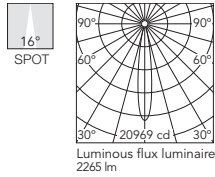
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



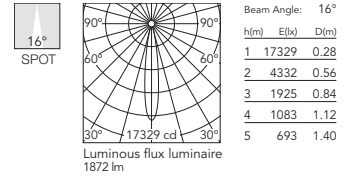
3000K - CRI 80 On board dimmer

- 09.7270.40A
- 09.7270.14A
- All White
- 09.7270.40A78



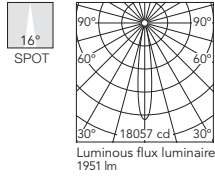
3000K - CRI 90 On board dimmer

- 09.7276.40A
- 09.7276.14A
- All White
- 09.7276.40A78



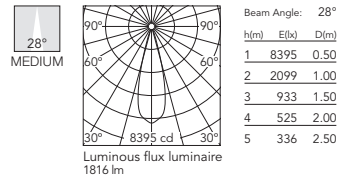
4000K - CRI 90 On board dimmer

- 09.7271.40A
- 09.7271.14A
- All White
- 09.7271.40A78



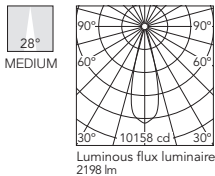
3000K - CRI 90 On board dimmer

- 09.7277.40A
- 09.7277.14A
- All White
- 09.7277.40A78



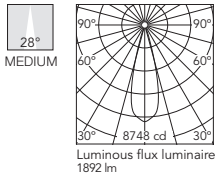
3000K - CRI 80 On board dimmer

- 09.7272.40A
- 09.7272.14A
- All White
- 09.7272.40A78



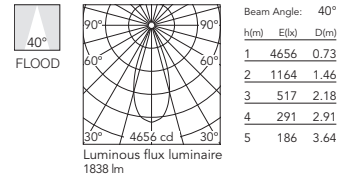
4000K - CRI 90 On board dimmer

- 09.7273.40A
- 09.7273.14A
- All White
- 09.7273.40A78



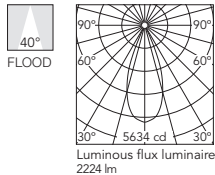
3000K - CRI 90 On board dimmer

- 09.7278.40A
- 09.7278.14A
- All White
- 09.7278.40A78



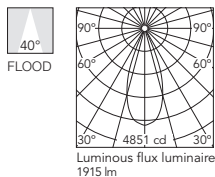
3000K - CRI 80 On board dimmer

- 09.7274.40A
- 09.7274.14A
- All White
- 09.7274.40A78



4000K - CRI 90 On board dimmer

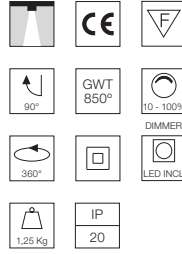
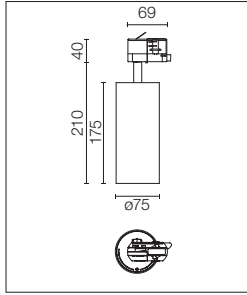
- 09.7275.40A
- 09.7275.14A
- All White
- 09.7275.40A78



THE TRACKING POWER – LIGHT MODULES

UT Pro 175 GA-69

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90



Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. 120-270V power supply integrated. It includes high performance reflector.

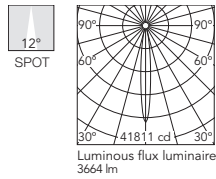
.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 120-270V integrada. Incluye reflector de alto rendimiento.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

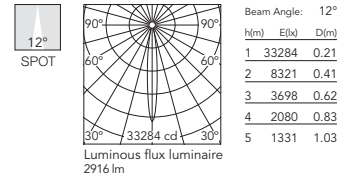
3000K - CRI 80 On board dimmer

- 09.7310.40
- 09.7310.14
- All White
- 09.7310.40.78



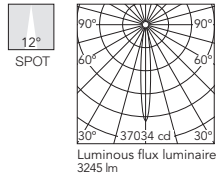
3000K - CRI 90 On board dimmer

- 09.7311.40
- 09.7311.14
- All White
- 09.7311.40.78



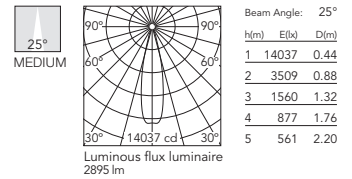
4000K - CRI 90 On board dimmer

- 09.7312.40
- 09.7312.14
- All White
- 09.7312.40.78



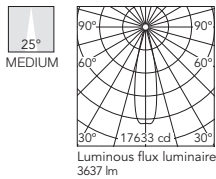
3000K - CRI 90 On board dimmer

- 09.7314.40
- 09.7314.14
- All White
- 09.7314.40.78



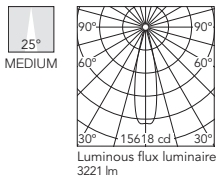
3000K - CRI 80 On board dimmer

- 09.7313.40
- 09.7313.14
- All White
- 09.7313.40.78



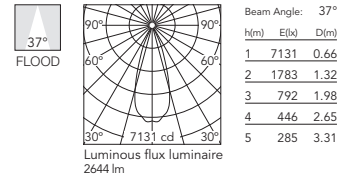
4000K - CRI 90 On board dimmer

- 09.7315.40
- 09.7315.14
- All White
- 09.7315.40.78



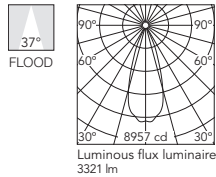
3000K - CRI 90 On board dimmer

- 09.7317.40
- 09.7317.14
- All White
- 09.7317.40.78



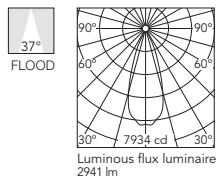
3000K - CRI 80 On board dimmer

- 09.7316.40
- 09.7316.14
- All White
- 09.7316.40.78



4000K - CRI 90 On board dimmer

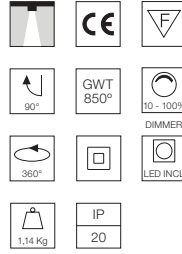
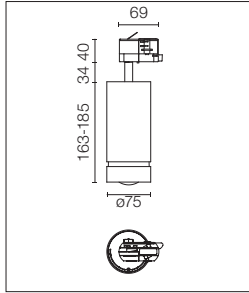
- 09.7318.40
- 09.7318.14
- All White
- 09.7318.40.78



THE TRACKING POWER – LIGHT MODULES

UT Pro 175 Lens GA-69

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90



Finishes Available



Spotlight to be installed in standard 3-phase track with LED light source. Includes adjustable lens allowing opening angle calibration from 13° to 56°. 120-270V power supply integrated.

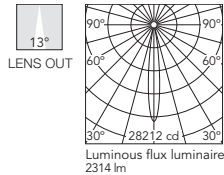
Proyector para ser instalado en perfil trifásico estándar con fuente de luz LED. Incorpora lente ajustable que permite la calibración del ángulo de apertura de 13° a 56°. Fuente de alimentación 120-270V integrada.

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

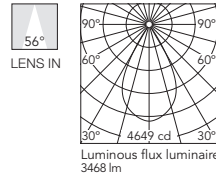
3000K - CRI 80 On board dimmer

- 09.7373.40
- 09.7373.14
- All White
- 09.7373.40.78



Beam Angle: 13°

h(m)	E(lx)	D(m)
1	28212	0.23
2	7053	0.46
3	3135	0.70
4	1763	0.93
5	1128	1.16

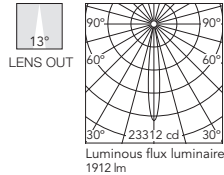


Beam Angle: 56°

h(m)	E(lx)	D(m)
1	4649	1.07
2	1162	2.14
3	517	3.21
4	291	4.29
5	186	5.36

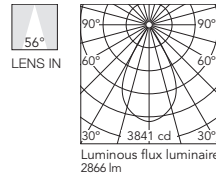
3000K - CRI 90 On board dimmer

- 09.7374.40
- 09.7374.14
- All White
- 09.7374.40.78



Beam Angle: 13°

h(m)	E(lx)	D(m)
1	23312	0.23
2	5828	0.46
3	2590	0.70
4	1457	0.93
5	932	1.16

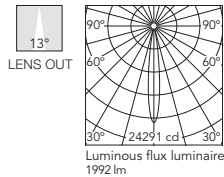


Beam Angle: 56°

h(m)	E(lx)	D(m)
1	3841	1.07
2	960	2.14
3	427	3.21
4	240	4.29
5	154	5.36

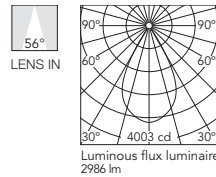
4000K - CRI 90 On board dimmer

- 09.7375.40
- 09.7375.14
- All White
- 09.7375.40.78



Beam Angle: 13°

h(m)	E(lx)	D(m)
1	24291	0.23
2	6073	0.46
3	2699	0.70
4	1518	0.93
5	972	1.16

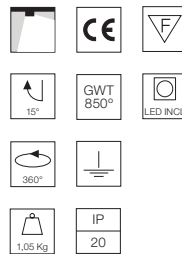
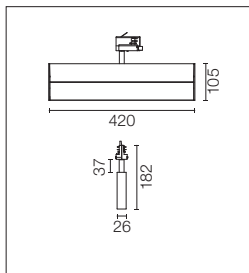


Beam Angle: 56°

h(m)	E(lx)	D(m)
1	4003	1.07
2	1001	2.14
3	445	3.21
4	250	4.29
5	160	5.36

UT Pro Wall-Washer GA-69 (Dali GA-600)

Light Source: Top LED 25,5W - 2700 lm - 3000K/CRI 90 / 25,5W - 2900 lm - 4000K/CRI 90



Finishes Available



Wall-Washer lighting module to be installed in standard 3-phase track with LED light source. 220-240V power supply integrated. DALI version requires dimmable tracks (please refer to the "Tracks" chapter).

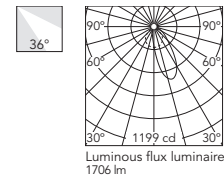
Módulo de iluminación Wall-Washer para ser instalado en perfil trifásico estándar con fuente de luz LED. Fuente de alimentación 220-240V integrada. Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

.40 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .40 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

3000K - CRI 90 Non Dimmable

- 09.7504.40
- 09.7504.14
- All White
- 09.7504.40.78

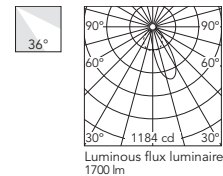


Beam Angle: 36°

h(m)	E(lx)	D(m)
1	1199	0.78
2	300	1.56
3	133	2.34
4	75	3.12
5	48	3.90

4000K - CRI 90 Non Dimmable

- 09.7505.40
- 09.7505.14
- All White
- 09.7505.40.78



Beam Angle: 36°

h(m)	E(lx)	D(m)
1	1184	0.76
2	296	1.52
3	132	2.28
4	74	3.04
5	47	3.80

Dali Version

- 09.7504.40.DA
- 09.7504.14.DA
- All White
- 09.7504.40.YU

- 09.7505.40.DA
- 09.7505.14.DA
- All White
- 09.7505.40.YU

THE TRACKING POWER

Accessories / Accesorios

UT Pro 150 / UT Pro 175

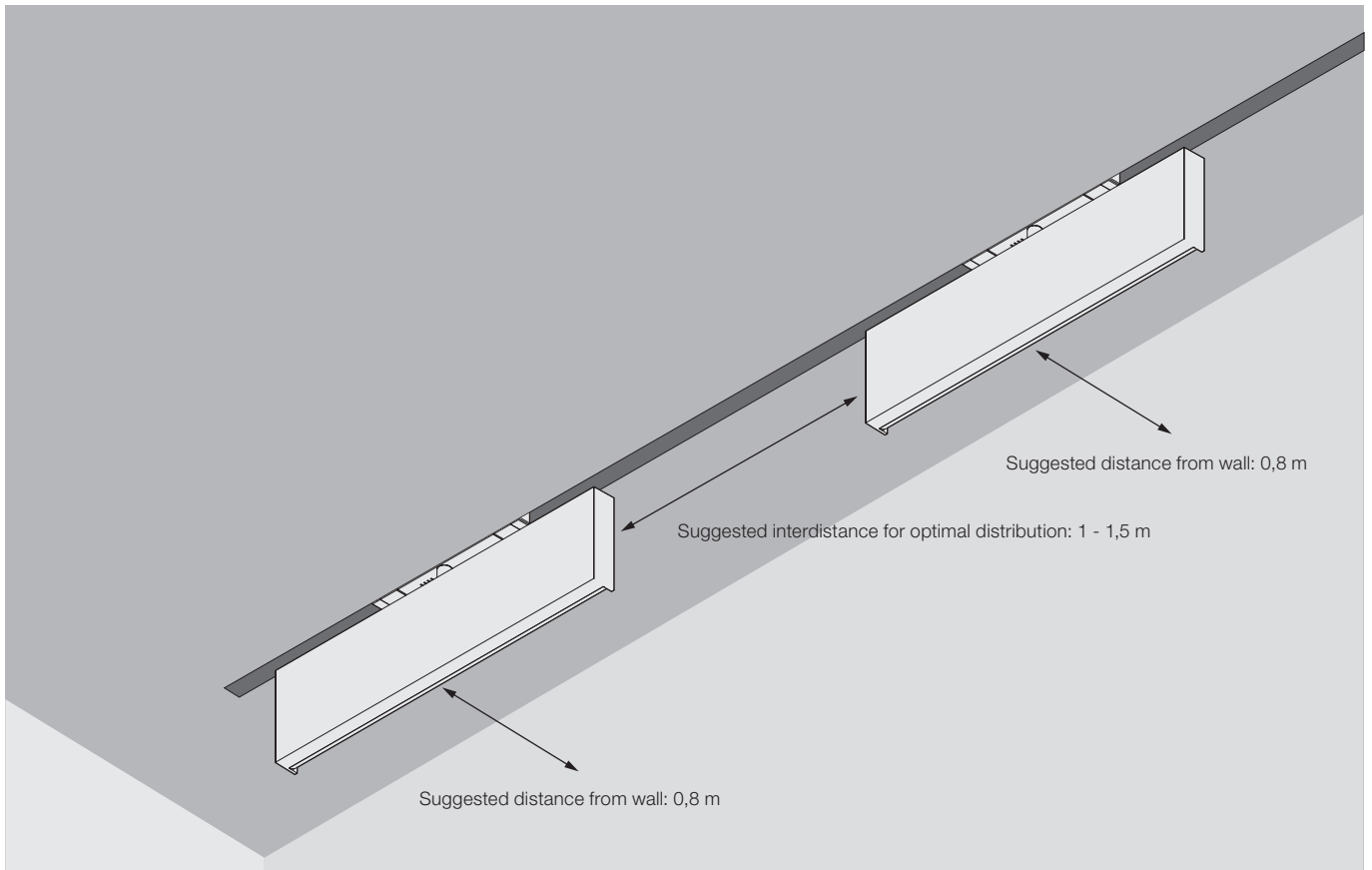
Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro 150 08.8429.00 UT Pro 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro 150 08.8431.00 UT Pro 175 08.9109.00
Flood lens.	Lente flood.		UT Pro 150 08.8432.00 UT Pro 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro 150 08.8428.00 UT Pro 175 08.9107.00
Snoot shielding cone.	Cono apantallador.		UT Pro 150 08.0526.00 UT Pro 175 08.9111.00

THE TRACKING POWER – INSTALLATION PROFILES

WALL-WASHER INSTALLATION

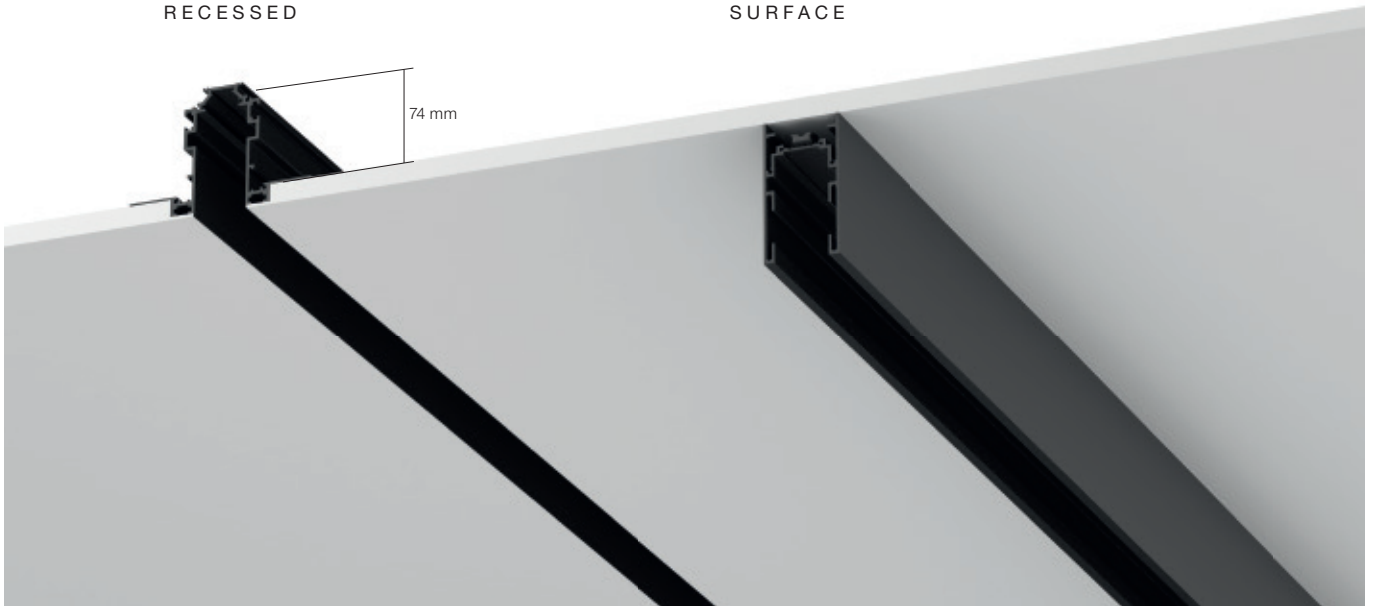


THE FAST TRACK

DESIGNED BY FLOS ARCHITECTURAL

RECESSED

SURFACE



Recessed Profiles 14 Black
14 Negro

Surface Profiles 40 White
40 Blanco 14 Black
14 Negro

LIGHT MODULES

THE FAST TRACK SPOT 100



LIGHT SOURCE
POWER LED
13W
780 lm
3000K/CRI 90
830 lm
4000K/CRI 90

THE FAST TRACK SPOT 150



LIGHT SOURCE
LED ARRAY
25,5W
1950 lm
3000K/CRI 90
2110 lm
4000K/CRI 90

THE FAST TRACK SPOT 175



LIGHT SOURCE
LED ARRAY
38,5W
3415 lm
3000K/CRI 90
3585 lm
4000K/CRI 90

14 Black
14 Negro

BW White
BW Blanco



THE FAST TRACK

Description

Only system in the world that allows the intensity of different groups of light fittings to be moved, oriented, and adjusted at a distance.

Indoor system available in versions for installation on surfaces and recessed installation on the ceiling. Equipped with wireless control via the FLOS Control® by Casambi system managed using the dedicated app for mobile devices (covers a distance of about 20 m). The system allows up to 200 devices to be controlled via the app.

The lighting modules incorporate servos for moving and orienting them, as well as sensors to detect other spots and the end of the track.

The system can recognize the location of each spot at all times and memorize up to 24 scenes of light. It memorizes the orientation, rotation and light intensity for later use, as well as 4 time schedules to change from one scene to another.

The light scene can also be completely changed by recovering the memorized compositions with a simple click. The movement must always be performed manually and individually through the APP.

Structural profiles of the system are manufactured in black extruded aluminum and are white plated for the 40 version, provided with electric tracks fed at 48V, on which the LED luminaires are installed by means of a mechanical fixing system.

The family is composed of accent lighting, with different optics.

The only available control system is FLOS Control® by Casambi.

The app for mobile devices is also necessary (available in the Apple Store and Google Play).

The maximum length for each power source is 20 m.

The maximum length between the power supply and the start of the track is 2 m.

Optic system

The accent light modules are available with high-performance crystal optics. Super spot, spot, medium and flood angles.

Power Supply

Remote 48V power source not included.

Additional Information

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Único sistema mundial que permite mover, orientar y regular la intensidad, a distancia, los diferentes grupos de luminarias.

El sistema para interiores está disponible en versiones de montaje en superficie y empotrado en el techo. Equipado con un control inalámbrico con el sistema FLOS Control® de Casambi gestionado a través de una aplicación dedicada para dispositivos móviles (cubre una distancia de unos 20m). El sistema permite controlar hasta 200 dispositivos a través de la App.

Los módulos de iluminación incorporan servos para su movimiento y orientación, sensores para detectar otros spots y el final del carril.

El sistema es capaz de reconocer la ubicación de cada spot en todo momento y memorizar hasta un máximo de 24 escenas de luz, memorizando orientación, rotación e intensidad lumínica para su uso posterior, así como 4 programaciones horarias para cambiar de una escena a otra.

También se puede cambiar completamente de escena de luz recuperando las composiciones memorizadas con un simple click. La traslación debe realizarse siempre de forma manual e individual a través de la APP.

Perfiles estructurales del sistema de aluminio extruido en negro y chapados en blanco para la versión .40, provisto de pistas eléctricas alimentadas a 48V, sobre las cuales se instalan mediante un sistema de fijación mecánica de las luminarias LED.

La familia está compuesta por módulos de iluminación de acento, con diferentes ópticas.

El único sistema de control disponible es FLOS Control® by Casambi.

Necesaria APP para dispositivos móviles (disponible en Apple Store y Google Play).

La longitud máxima por cada fuente de alimentación es de 20 m.

La longitud máxima entre la fuente de alimentación y el inicio del carril es de 2 m.

Sistema Óptico

Los módulos de luz de acento se encuentran disponibles con ópticas de cristal alto rendimiento. Ángulos super spot, spot, médium y flood.

Unidades de Alimentación

Fuente de alimentación remota de 48V no incluida.

Información Adicional

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

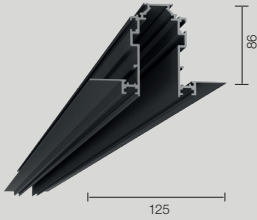
FLOS
CONTROL BY CASAMBI



HOW TO ORDER

1 CHOOSE YOUR PROFILE AND LENGTH

RECESSED PROFILE



L: 1 / 1,5 / 2 / 3 m

2 COMPLETE WITH MOUNTING ACCESSORIES

Feed cable



End cap



Intermediate cable



Stopper



Electrical



Recessed installation

Accessories
(Optional)

Fixed ceiling kit

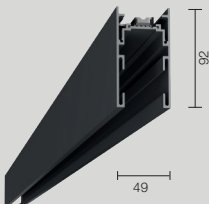


Adjustable ceiling kit



or

SURFACE PROFILE



L: 1 / 1,5 / 2 / 3 m

Feed cable



End cap



Intermediate cable



Stopper



Electrical



Surface installation

Fixing ceiling kit included with the profile

THE FAST TRACK

3 SELECT POWER SUPPLY

Recessed installation

Remote power supply



185W



320W

(select the driver with the appropriate power according to the needs of your project)

Surface installation

Remote power supply



185W



320W

(select the driver with the appropriate power according to the needs of your project)

4 SELECT A LIGHT MODULE

Spot 100



Casambi integrated



SS/S/M

Spot 150



Casambi integrated



S/M/F

Spot 175



Casambi integrated

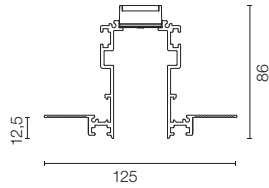
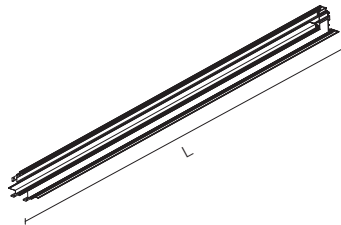


S/M/F

THE FAST TRACK – RECESSED PROFILES

Profiles

Electro-mechanical profile for recessed installations in plasterboard ceilings, with 1m to 3m lengths. Power and interconnection cables must be ordered separately. The covers must be ordered separately. Fixed or adjustable fastening kits available (optional). The roof fastening kits enable installation without the need for aluminium TC fastening profiles.



L: 1 m / 1,5 m / 2 m / 3 m

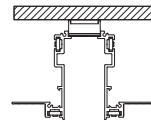
Perfiles

Perfil electro-mecánico para instalaciones empotradas en techos de cartón yeso con longitudes de 1m a 3m. Necesario pedir por separado cables de alimentación e interconexión. Las tapas deben pedirse por separado. Kits de sujeción, fijo o ajustable, disponibles (opcional). Los kits de sujeción a techo permiten la instalación sin necesidad de perfiles TC de aluminio de sujeción.

- L: 1000 mm 06.1850.14
- L: 1500mm 06.1851.14
- L: 2000 mm 06.1852.14
- L: 3000 mm 06.1853.14

Fixed ceiling kit (optional).
2 unit kit.

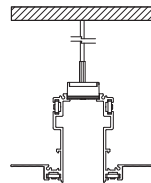
Kit de sujeción a techo fijo
(opcional). Kit de 2 unidades.



08.8866.14

Adjustable ceiling kit (optional).
2 unit kit.

Kit de sujeción a techo ajustable
(opcional). Kit de 2 unidades.



08.8867.14

Profile (mm)	Quantities Ceiling Kit (units)
1000	2
1500	3
2000	3
3000	6

1-m suspension rod with ceiling rose with m6 thread.

Varilla de suspensión de 1 m con rosetón con rosca m6.



60.3097.11
 60.3097.14

End caps. To be ordered separately.
2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.

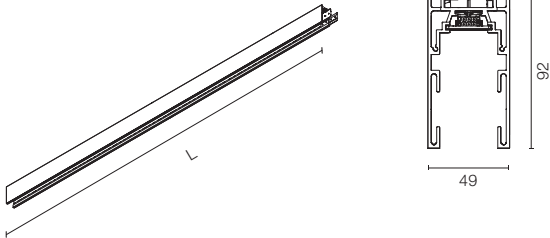


08.9070.14

THE FAST TRACK – SURFACE PROFILES

Profiles

Electro-mechanical profile for surface installations in plasterboard ceilings, with 1m to 3m lengths. Not suitable for suspended installations. Power and interconnection cables must be ordered separately. Covers must be ordered separately. Fixed ceiling kit included.



L: 1 m / 1,5 m / 2 m / 3 m

Perfiles

Perfil electro-mecánico para instalaciones en superficie en techos de cartón yeso con longitudes de 1 m a 3 m. No válido para instalaciones en suspensión. Necesario pedir por separado cables de alimentación e interconexión. Las tapas deben pedirse por separado. Kit de sujeción a techo fijo incluido.

- L: 1000 mm
 - 06.1860.40
 - 06.1860.14
- L: 1500 mm
 - 06.1861.40
 - 06.1861.14
- L: 2000 mm
 - 06.1862.40
 - 06.1862.14
- L: 3000 mm
 - 06.1863.40
 - 06.1863.14

End caps. Must be ordered separately. 2 unit kit.

Tapas. Se deben pedir por separado. Kit de 2 unidades.



- 08.9071.40
- 08.9071.14

The Fast Track Recessed / Surface versions

Stopper. To prevent spots from invading track areas powered by another driver and to prevent exceeding the maximum allowed power of each driver. It can also be used to limit movement for other reasons.

Stopper. Para evitar que los spots invadan zonas de carril alimentadas por otro driver y evitar superar la potencia máxima permitida de cada driver. También se puede usar para limitar el movimiento por otras razones.



- 08.9074.14

Power continuity cable.

Cable de alimentación.



06.0303.00

Connection cable. Electrical connection.

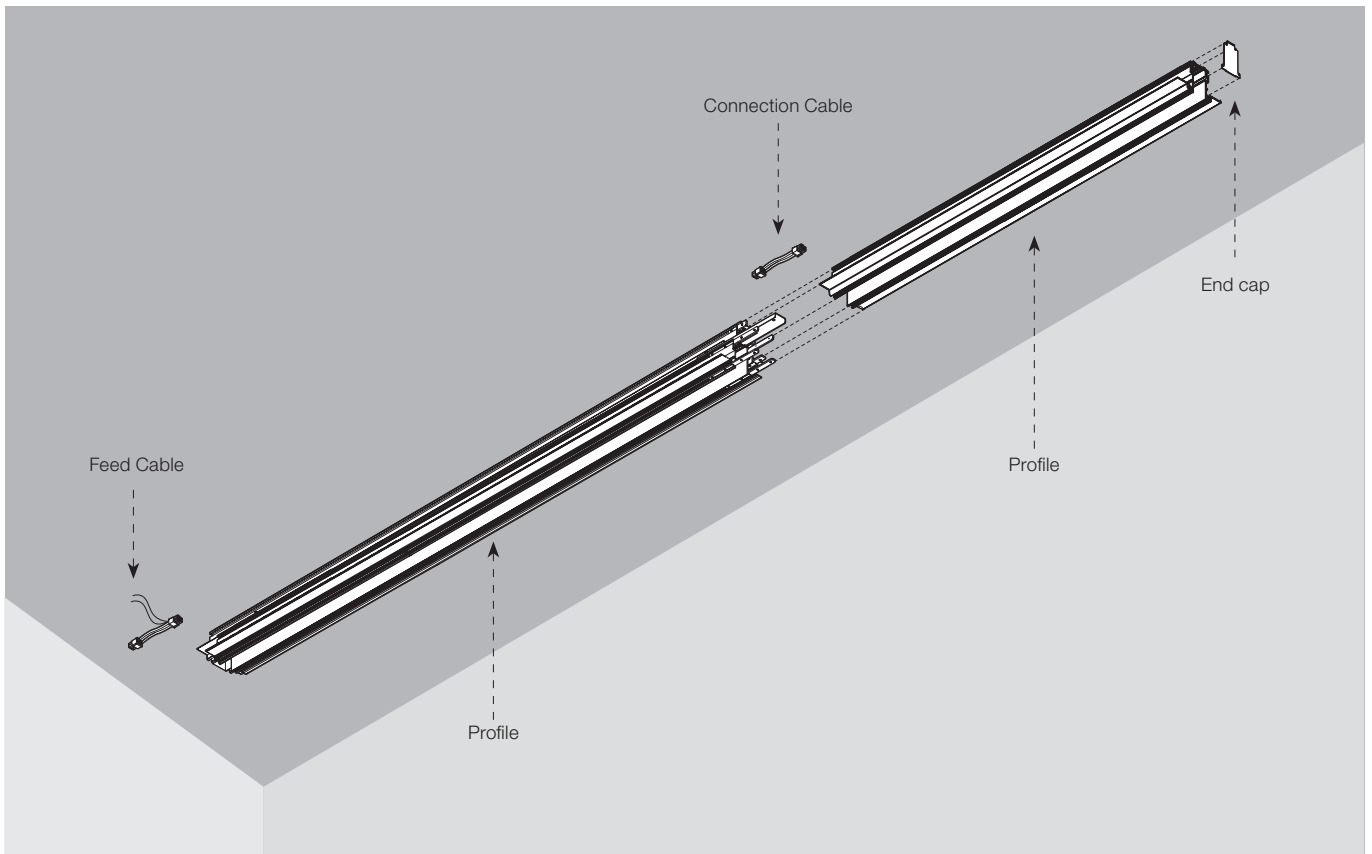
Cable de conexión. Conexión eléctrica.



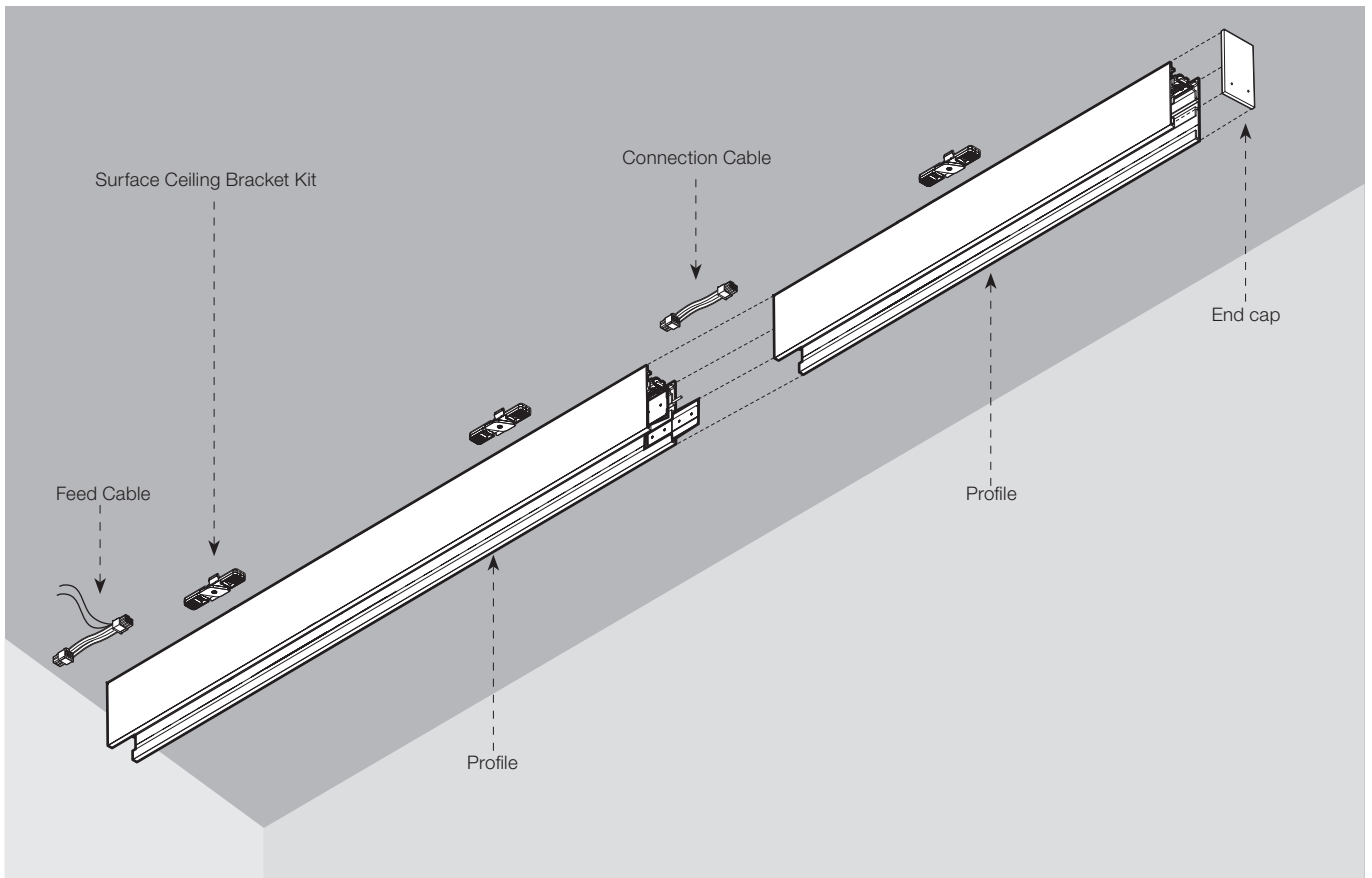
06.0301.00

THE FAST TRACK – INSTALLATION PROFILES

RECESSED INSTALLATION



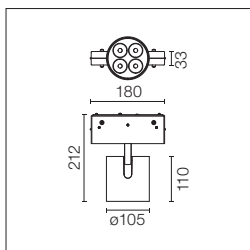
SURFACE INSTALLATION



THE FAST TRACK – LIGHT MODULES

The Fast Track Spot 100

Light Source: Power LED 13W - 830 lm - 3000K/CRI 90 / 13W - 878 lm - 4000K/CRI 90



Spotlight to be installed in the The Fast Track system profile with a LED light source and super spot optic, very useful for great heights, medium and flood. The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y con óptica super spot muy útil para grandes alturas, medium y flood. Las cajas de las luminarias se fabrican solo en negro.

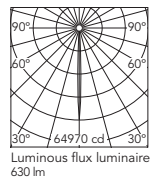
3000K

**Casambi integrated

- 09.9070.BW
- 09.9070.14



SUPER SPOT



Beam Angle:	4°	
h(m)	E(lx)	D(m)
1	64970	0.07
2	16243	0.14
3	7219	0.21
4	4061	0.28
5	2599	0.35

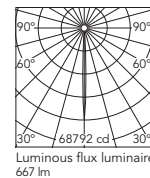
4000K

**Casambi integrated

- 09.9075.BW
- 09.9075.14



SUPER SPOT



Beam Angle:	4°	
h(m)	E(lx)	D(m)
1	68792	0.07
2	17198	0.14
3	7644	0.21
4	4300	0.28
5	2752	0.35

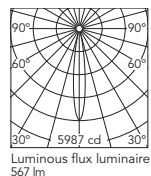
3000K

**Casambi integrated

- 09.9071.BW
- 09.9071.14



SPOT



Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	5987	0.26
2	1497	0.52
3	665	0.77
4	374	1.03
5	239	1.29

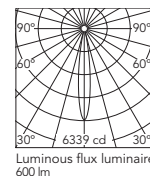
4000K

**Casambi integrated

- 09.9076.BW
- 09.9076.14



SPOT



Beam Angle:	15°	
h(m)	E(lx)	D(m)
1	6339	0.26
2	1585	0.52
3	704	0.77
4	396	1.03
5	254	1.29

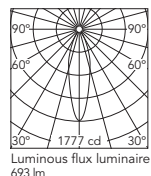
3000K

**Casambi integrated

- 09.9072.BW
- 09.9072.14



MEDIUM



Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1777	0.48
2	444	0.95
3	197	1.43
4	111	1.91
5	71	2.38

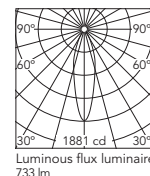
4000K

**Casambi integrated

- 09.9077.BW
- 09.9077.14



MEDIUM



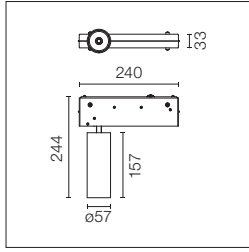
Beam Angle:	27°	
h(m)	E(lx)	D(m)
1	1881	0.48
2	470	0.95
3	209	1.43
4	118	1.91
5	75	2.38

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE FAST TRACK – LIGHT MODULES

The Fast Track Spot 150

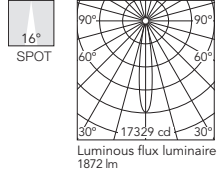
Light Source: LED Array 25,5W - 2080 lm - 3000K/CRI 90 / 25,5W - 2262 lm - 4000K/CRI 90



Spotlight to be installed in the The Fast Track system profile with a LED light source and glass optics: high performance spot, medium and flood lights.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y ópticas de cristal spot, medium y flood de alto rendimiento.
Las cajas de las luminarias se fabrican solo en negro.

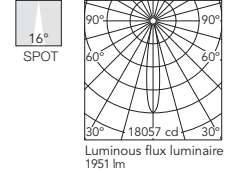
3000K
**Casambi integrated
09.9083.BW
09.9083.14



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	17329	0.28
2	4332	0.56
3	1925	0.84
4	1083	1.12
5	693	1.40

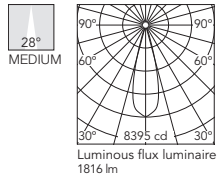
4000K
**Casambi integrated
09.9086.BW
09.9086.14



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	18057	0.28
2	4514	0.56
3	2006	0.84
4	1129	1.12
5	722	1.40

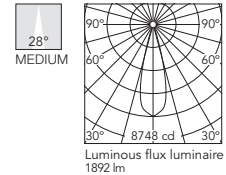
3000K
**Casambi integrated
09.9084.BW
09.9084.14



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8395	0.50
2	2099	1.00
3	933	1.50
4	525	2.00
5	336	2.50

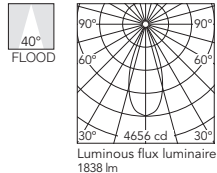
4000K
**Casambi integrated
09.9087.BW
09.9087.14



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	8748	0.50
2	2187	1.00
3	972	1.50
4	547	2.00
5	350	2.50

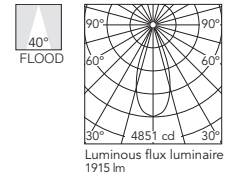
3000K
**Casambi integrated
09.9085.BW
09.9085.14



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4656	0.73
2	1164	1.46
3	517	2.18
4	291	2.91
5	186	3.64

4000K
**Casambi integrated
09.9088.BW
09.9088.14



Beam Angle: 40°

h(m)	E(lx)	D(m)
1	4851	0.73
2	1213	1.46
3	539	2.18
4	303	2.91
5	194	3.64

Accessories / Accesorios

The Fast Track Spot 150

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

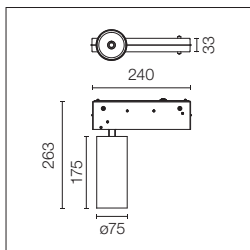
Screening crosspiece.	Cruceta de apantallamiento.		08.8429.00
Elliptical lens.	Lente elíptica.		08.8431.00
Flood lens.	Lente flood.		08.8432.00
Honeycomb.	Honeycomb.		08.8428.00
Snoot shielding cone.	Cono apantallador.		08.0526.00 08.0526.40

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

THE FAST TRACK – LIGHT MODULES

The Fast Track Spot 175

Light Source: LED Array 38,5W - 3348 lm - 3000K/CRI 90 / 38,5W - 3641 lm - 4000K/CRI 90

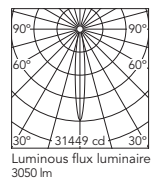


Spotlight to be installed in the The Fast Track system profile with a LED light source and glass optics: high performance spot, medium and flood lights.
The boxes of the luminaries are manufactured only in black.

Proyector para ser instalado en perfil del sistema The Fast Track con fuente de luz LED y ópticas de cristal spot, medium y flood de alto rendimiento.
Las cajas de las luminarias se fabrican solo en negro.

3000K

**Casambi integrated
09.9093.BW
09.9093.14



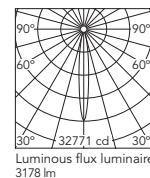
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	31449 0.22	
2	7862 0.43	
3	3494 0.65	
4	1966 0.87	
5	1258 1.08	

Luminous flux luminaire 3050 lm

4000K

**Casambi integrated
09.9096.BW
09.9096.14



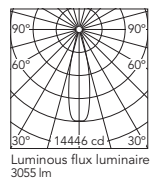
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	32771 0.22	
2	8193 0.43	
3	3641 0.65	
4	2048 0.87	
5	1311 1.08	

Luminous flux luminaire 3178 lm

3000K

**Casambi integrated
09.9094.BW
09.9094.14



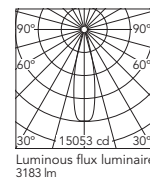
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	14446 0.45	
2	3611 0.90	
3	1605 1.34	
4	903 1.79	
5	578 2.24	

Luminous flux luminaire 3055 lm

4000K

**Casambi integrated
09.9097.BW
09.9097.14



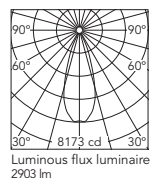
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	15053 0.45	
2	3763 0.90	
3	1673 1.34	
4	941 1.79	
5	602 2.24	

Luminous flux luminaire 3183 lm

3000K

**Casambi integrated
09.9095.BW
09.9095.14



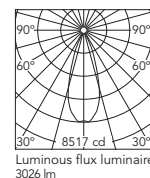
Beam Angle: 35°

h(m)	E(lx)	D(m)
1	8173 0.64	
2	2043 1.28	
3	908 1.92	
4	511 2.55	
5	327 3.19	

Luminous flux luminaire 2903 lm

4000K

**Casambi integrated
09.9098.BW
09.9098.14



Beam Angle: 35°

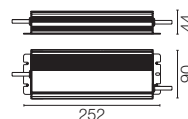
h(m)	E(lx)	D(m)
1	8517 0.64	
2	2129 1.28	
3	946 1.92	
4	532 2.55	
5	341 3.19	

Luminous flux luminaire 3026 lm

Drivers / Equipos

LED power supply source for remote installation, 48V/320W. 100/240 Vac.

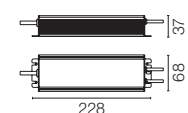
Fuente de alimentación LED para instalación remota, 48V/320W. 100/240 Vac.



*60.8919

LED power supply source for remote installation, 48V/185W. 100/240 Vac.

Fuente de alimentación LED para instalación remota, 48V/185W. 100/240 Vac.

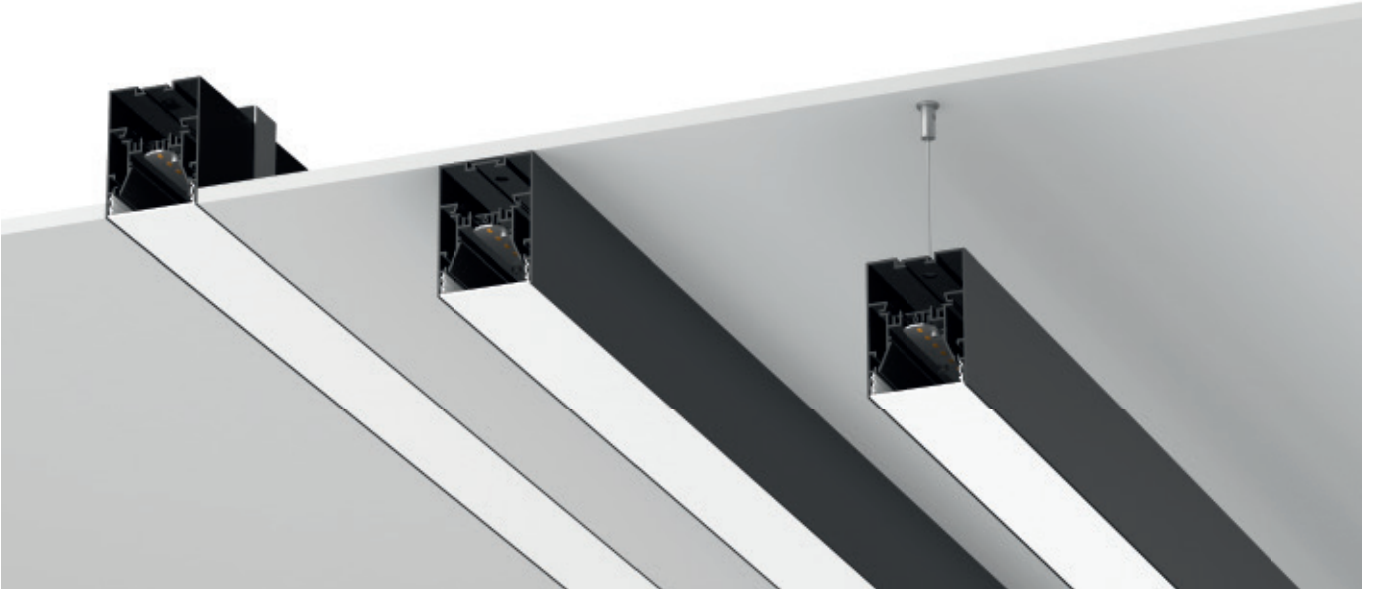


*60.9024

* For the sizing of the installation keep a safety margin of 15% of the maximum power of the LED power source / Para el dimensionado de la instalación mantener un margen de seguridad de un 15% de la potencia máxima de la fuente de alimentación LED.

IN-FINITY

DESIGNED BY FLOS ARCHITECTURAL



RECESSED TRIM / NO TRIM	SURFACE	SUSPENSION DOWN	SUSPENSION UP&DOWN		
35 mm	70 mm	100 mm	35 mm	70 mm	100 mm
LIGHT SOURCE TOP LED 18,5W/m 2665 lm/m 3000K/CRI 80 18,5W/m 2800 lm/m 4000K/CRI 80	LIGHT SOURCE TOP LED 25W/m 2985 lm/m 3000K/CRI 80 25W/m 3135 lm/m 4000K/CRI 80	LIGHT SOURCE TOP LED 25,5W/m 3110 lm/m 3000K/CRI 80 25,5W/m 3265 lm/m 4000K/CRI 80	LIGHT SOURCE TOP LED 31,5W/m 1785 lm/m UP 2665 lm/m DOWN 3000K/CRI 80 31,5W/m 1875 lm/m UP 2800 lm/m DOWN 4000K/CRI 80	LIGHT SOURCE TOP LED 38W/m 1785 lm/m UP 2985 lm/m DOWN 3000K/CRI 80 38W/m 1875 lm/m UP 3135 lm/m DOWN 4000K/CRI 80	LIGHT SOURCE TOP LED 38,5W/m 1785 lm/m UP 3110 lm/m DOWN 3000K/CRI 80 38,5W/m 1875 lm/m UP 3265 lm/m DOWN 4000K/CRI 80

□ 30 White
30 Blanco

■ 02 Anodized Grey
02 Gris Anodizado

■ 14 Black
14 Negro



Description

LED lighting system for recessed, surface or suspended installation, designed for work areas and the illumination of professional spaces. Luminaires are available in three different sections of 35 mm, 70 mm or 100 mm.

The system is composed of straight elements, with a range of measurements, from 565 up to 3095 mm, corner elements for angles on the same surface, or with wall-ceiling surface change, accessories such as end covers, and a suspension kit.

In all versions the luminaires come with:

- LED lighting modules, including drivers, in 3000K or 4000K versions.
 - Aluminum installation channel.
 - Reflector.
 - Junction system for the connection of the system's modular element.
 - Safety cable to protect against the lamp's accidental falling, to provide for maximum safety during installation.
- Two different diffusers are available: opal, for general, diffuse lighting; or a micro-prismatic for a better visual comfort. Also available as separate accessories to fill gaps in structures with corners or longer than 3 meters.
- The external profile of the Recessed No Trim version is only available in white finish. All other versions are available in these finishes: white, anodized grey and black.

Power Supply

Drivers included in lighting modules for 220-240V connections to mains or to other lighting modules.

Accessories

- End caps. Must be ordered separately.
- Suspension kit.
- Feed unit kit.

Additional Information

Also available in DALI 1-100% version.
Dimmable 1-10V version under request.
IP20, IP40 protection degree.
Insulation Class I.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Sistema de iluminación LED empotrado, de superficie o suspendido diseñado para áreas de trabajo y espacios profesionales. Las luminarias están disponibles en anchos de 35 mm, 70 mm ó 100 mm.

El sistema se compone de elementos rectos con medidas desde 565 mm hasta 3095 mm, ángulo en la misma superficie o con cambio de plano techo-pared, y accesorios como tapas y kit de suspensión.

En todas las versiones, las luminarias se completan con:

- Módulos de luz LED con driver incluido, en versiones de 3000K y 4000K.
- Perfil de aluminio por instalación.
- Reflector.
- Sistema de unión para la conexión de los módulos.
- Cable de seguridad anti caída de las luminarias, para garantizar la máxima protección en los trabajos de instalación.

Disponibles dos difusores diferentes: opal para iluminación general o difusor microprismático para un mayor confort visual. Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.

El perfil exterior de la versión Recessed No Trim solo está disponible en acabado blanco. Todas las demás versiones están disponibles en los acabados: blanco, gris anodizado y negro.

Unidades de Alimentación

Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

Accesorios

- Tapas. Deben pedirse por separado.
- Kit de suspensión.
- Kit de alimentación.

Información Adicional

Disponible en versión DALI 1-100%.
Versión dimable 1-10V bajo pedido.
Índice de protección IP20, IP40.
Clase de aislamiento I.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Recessed
No Trim



Recessed
Trim



Surface



Suspension
Down



Suspension
Up&Down

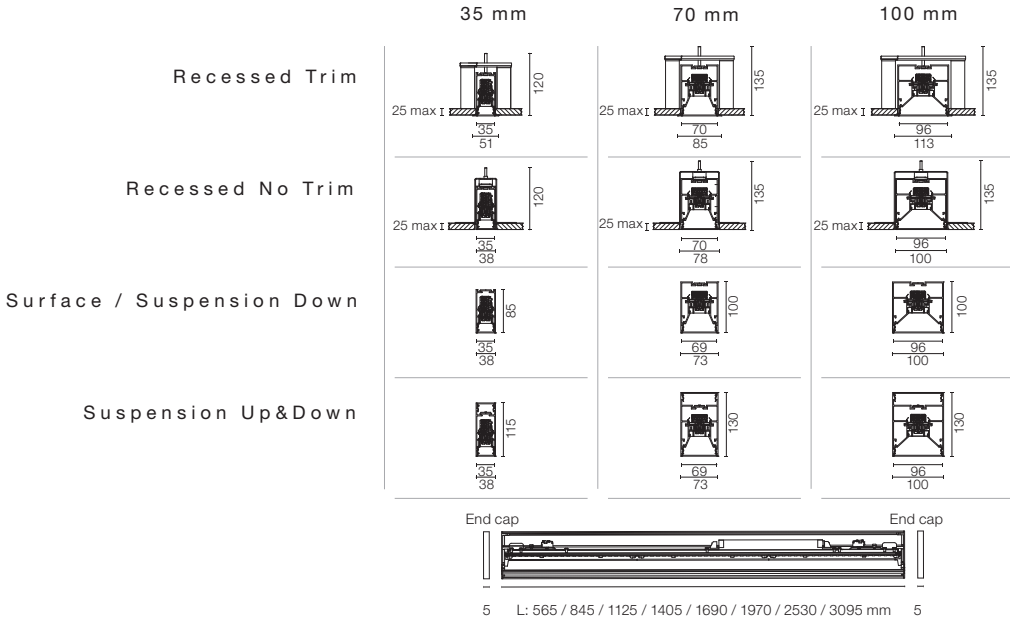
IN - FINITY

Profiles

Straight elements of different lengths and corner elements, to be composed according to the specific need of each project or to be completed by a pair of end caps and used as a single lamp. All system elements are completely illuminated by an included LED module, the required driver, installation channel, and the diffuser for the version selected. Custom X or T elements available under request.

Perfiles

Elementos lineales y angulares de iluminación de distintas longitudes, para ser unidos dependiendo de las necesidades específicas de cada proyecto, o ser completadas con una tapa en cada extremo para ser utilizado como una única luminaria. Todos los elementos del sistema están completamente iluminados por módulos LED que se encuentran incluidos, e incluyen además los drivers necesarios, canal de instalación y difusor de la versión seleccionada. Elementos X o T custom disponibles bajo pedido.



Flat Corner / Esquina Plana

Corner element lamps for angles on the same surface, complete with a driver, installation channel and the diffuser for the version selected.

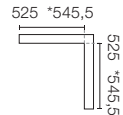
Luminaria de esquina para ángulos que se mantienen en la misma superficie, completada con el driver, el canal de instalación y el difusor de la versión seleccionada.



Dihedral Corner / Esquina Diédrica

Corner element lamps for angles with surface changes (example: angle ceiling / wall), complete with a driver, installation channel and the diffuser for the version selected. For suspended versions not available.

Luminaria de esquina para ángulos con cambio de superficie (ejemplo: ángulo de techo a pared), completada con el driver, el canal de instalación y el difusor de la versión seleccionada. No está disponible para versiones suspendidas.

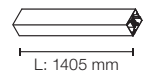


*35 mm section

Emergency / Emergencia

Emergency module available for all versions except for the Up&Down version. In normal use, it uses the same power consumption as the standard In-Finity. In emergency use, it emits 10% of normal use during 3 hours.

Módulo de emergencia disponible en todas las versiones, excepto la versión Up&Down. En uso normal, mismo consumo que el In-Finity estándar. En uso de emergencia, emite un 10% del flujo normal durante 3 horas.



*Opal Diffuser / Difusor Opal

Diffuse, glare free and uniform lighting throughout the room. Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

Iluminación ambiental difusa, uniforme y apantallada. Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



*Micro-Prismatic Diffuser / Difusor Microprismático

Highly efficient multilayer diffuser that, thanks to its unique micro-prismatic texture, provides a glare free UGR<19 light beam. Also available as separate accessory to fill gaps in structures with corners or longer than 3 meters.

Difusor de alta eficiencia para iluminación apantallada de UGR<19, gracias a su especial textura microprismática multi-estrato. Disponible también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.



IN-FINITY

HOW TO GET YOUR CODE / CÓMO OBTENER SU CÓDIGO

For a quicker understanding and easier overview of the range, the part number structure for the In-Finity family has been created to be composed to match the requests of each specific installation. According to the following table, for each field, just choose the number or letter corresponding to the In-Finity version you need, and you'll have the final code.

Para una comprensión más rápida y una visión general de la gama, la estructura de la numeración de las partes de la familia In-Finity se ha creado para que coincida, una vez compuesto, con las peticiones específicas de cada instalación. De acuerdo con la siguiente tabla, para cada campo, simplemente seleccione el número o la letra correspondiente a la versión In-Finity que necesite, y obtendrá el código final.

		N	70	S	25	4	U	14B	DA
Section / Sección									
35 mm	35								
70 mm	70								
100 mm	10								
*Installation / Instalación									
Recessed Trim	T								
Recessed No Trim	N								
Surface	S								
Suspension Down	D								
Suspension Up&Down	U								
Elements / Elementos									
Straight / Lineal 565 mm	05								
Straight / Lineal 845 mm	08								
Straight / Lineal 1125 mm	11								
Straight / Lineal 1405 mm	14								
Straight / Lineal 1690 mm	16								
Straight / Lineal 1970 mm	19								
Straight / Lineal 2530 mm	25								
Straight / Lineal 3095 mm	30								
Flat Corner / Esquina Plana	FC								
Dihedral Corner / Esquina Diédrica	DC								
Emergency / Emergencia (1405 mm)	EM								
Color T° / Temperatura de Color (°K)									
3000K	3								
4000K	4								
**Optic / Óptica									
General Lighting (Opal)	G								
Micro-Prismatic Diffuser	U								
Colours / Colores									
	35 - 70 - 100								
White / Blanco	30B								
Anodized Grey / Gris Anodizado	02B								
Black / Negro	14B								
Version / Versión									
	35 - 70 - 100								
Standard (Non Dimmable)									
Dali	DA								

*No Trim Recessed version is only available in white finish (30) / La versión Recessed No Trim solo está disponible en acabado blanco (30).

*In Suspension versions only available flat corner / En las versiones Suspension solo está disponible la esquina plana.

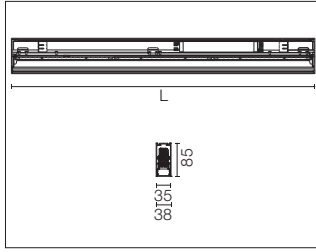
*Suspension Up&Down version is not available in 565 mm linear profile / En la versión Suspension Up&Down no está disponible el perfil lineal de 565 mm.

**Also available as separate accessories to fill gaps in structures with corners or longer than 3 m / Disponibles también como accesorio separado para completar huecos en estructuras con esquinas o de longitud mayor de 3 m.

IN - FINITY

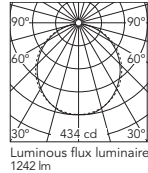
In-Finity Surface 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



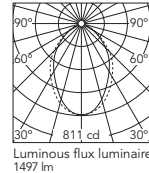
LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.



Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

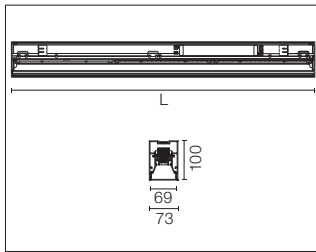


Beam Angle: 76°

h(m)	E(lx)	D(m)
1	811	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

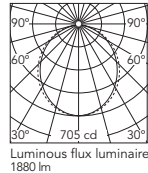
In-Finity Surface 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



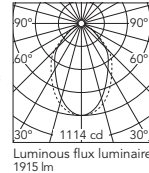
LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.



Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57

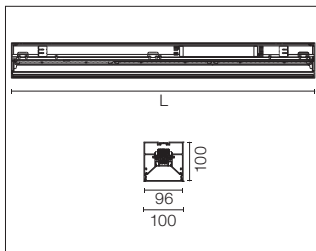
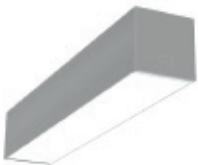


Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

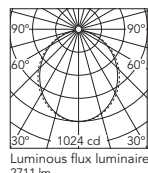
In-Finity Surface 100 mm

Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80



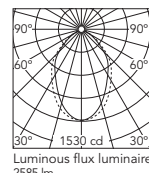
LED modular system for surface installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED para superficie, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.



Beam Angle: 103°

h(m)	E(lx)	D(m)
1	1024	2.54
2	256	5.07
3	114	7.61
4	64	10.14
5	41	12.68



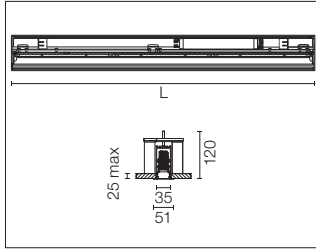
Beam Angle: 73°

h(m)	E(lx)	D(m)
1	1530	1.47
2	383	2.95
3	170	4.42
4	96	5.90
5	61	7.37

IN - FINITY

In-Finity Recessed Trim 35 mm

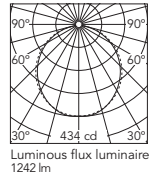
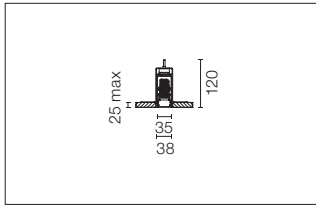
Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80



LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

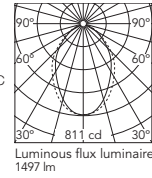
Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 35 mm



Beam Angle: 110°

h(m)	E(lx)	D(m)
1	434	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

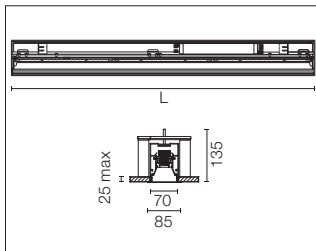


Beam Angle: 76°

h(m)	E(lx)	D(m)
1	811	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

In-Finity Recessed Trim 70 mm

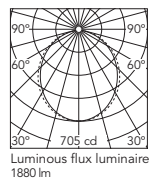
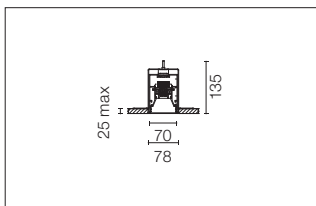
Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80



LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

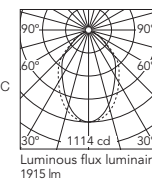
Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 70 mm



Beam Angle: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
4	44	10.05
5	28	12.57



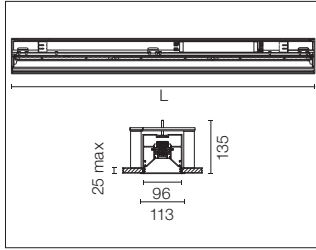
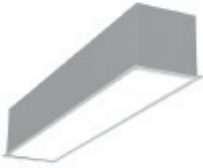
Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1114	1.46
2	278	2.92
3	124	4.38
4	70	5.84
5	45	7.30

IN-FINITY

In-Finity Recessed Trim 100 mm

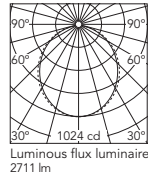
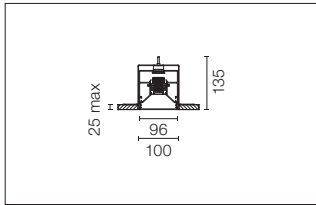
Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80



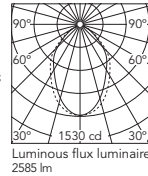
LED modular system for recessed trim/no trim installation, including LED luminaires, aluminum installation profile and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules.

Sistema modular de iluminación LED empotrado trim/no trim, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema.

In-Finity Recessed No Trim 100 mm



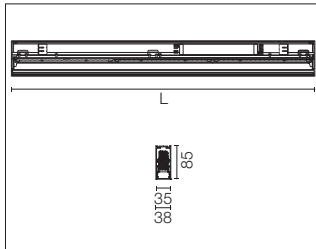
Beam Angle: 103°



Beam Angle: 73°

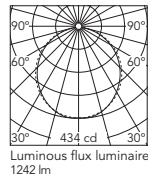
In-Finity Suspension Down 35 mm

Light Source: Top LED 18,5W/m - 2665 lm/m - 3000K/CRI 80 / 18,5W/m - 2800 lm/m - 4000K/CRI 80

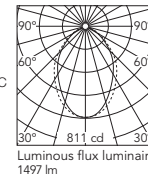


LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.



Beam Angle: 110°

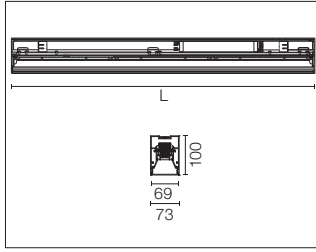


Beam Angle: 76°

IN - FINITY

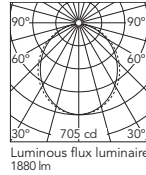
In-Finity Suspension Down 70 mm

Light Source: Top LED 25W/m - 2985 lm/m - 3000K/CRI 80 / 25W/m - 3135 lm/m - 4000K/CRI 80

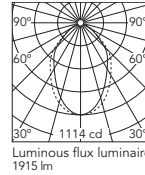


LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.



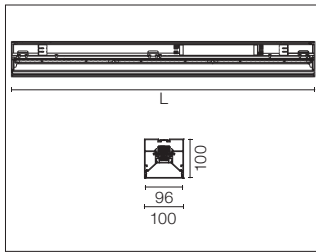
Beam Angle: 103°	h(m)	E(lx)	D(m)
1	705	2.51	
2	176	5.03	
3	78	7.54	
4	44	10.05	
5	28	12.57	



Beam Angle: 72°	h(m)	E(lx)	D(m)
1	1114	1.46	
2	278	2.92	
3	124	4.38	
4	70	5.84	
5	45	7.30	

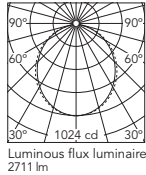
In-Finity Suspension Down 100 mm

Light Source: Top LED 25,5W/m - 3110 lm/m - 3000K/CRI 80 / 25,5W/m - 3265 lm/m - 4000K/CRI 80

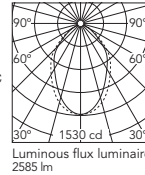


LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit not included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión no incluido.



Beam Angle: 103°	h(m)	E(lx)	D(m)
1	1024	2.54	
2	256	5.07	
3	114	7.61	
4	64	10.14	
5	41	12.68	

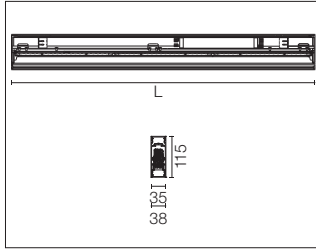


Beam Angle: 73°	h(m)	E(lx)	D(m)
1	1530	1.47	
2	383	2.95	
3	170	4.42	
4	96	5.90	
5	61	7.37	

IN - FINITY

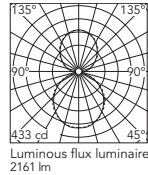
In-Finity Suspension Up&Down 35 mm

Light Source: Top LED 31,5W/m - 1785 lm/m UP - 2665 lm/m DOWN - 3000K/CRI 80 / 31,5W/m - 1875 lm/m UP - 2800 lm/m DOWN - 4000K/CRI 80



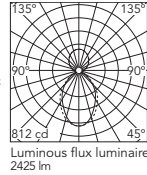
LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.



Beam Angle DIR: 110°

h(m)	E(lx)	D(m)
1	433	2.84
2	108	5.68
3	48	8.52
4	27	11.36
5	17	14.19

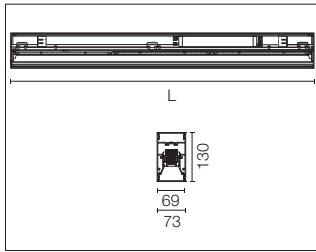


Beam Angle DIR: 76°

h(m)	E(lx)	D(m)
1	812	1.55
2	203	3.11
3	90	4.66
4	51	6.22
5	32	7.77

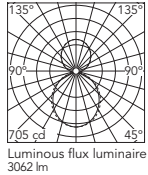
In-Finity Suspension Up&Down 70 mm

Light Source: Top LED 38W/m - 1785 lm/m UP - 2985 lm/m DOWN - 3000K/CRI 80 / 38W/m - 1875 lm/m UP - 3135 lm/m DOWN - 4000K/CRI 80



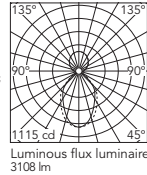
LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.



Beam Angle DIR: 103°

h(m)	E(lx)	D(m)
1	705	2.51
2	176	5.03
3	78	7.54
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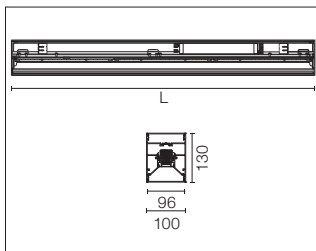


Beam Angle DIR: 72°

h(m)	E(lx)	D(m)
1	1115	1.46
2	279	2.92
3	124	4.38
4	70	5.84
5	45	7.30

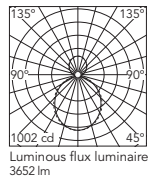
In-Finity Suspension Up&Down 100 mm

Light Source: Top LED 38,5W/m - 1785 lm/m UP - 3110 lm/m DOWN - 3000K/CRI 80 / 38,5W/m - 1875 lm/m UP - 3265 lm/m DOWN - 4000K/CRI 80



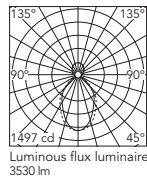
LED modular system for suspended installation, including LED luminaires, aluminum installation profile, and diffusers. Drivers included in lighting modules for 220-240V connection to mains or to other lighting modules. Suspension kit included.

Sistema modular de iluminación LED suspendido, compuesto de módulos LED, perfil de aluminio y difusor. Drivers incluidos en los módulos de iluminación para conexión directa a red 220-240V o a otros módulos del sistema. Kit de suspensión incluido.



Beam Angle DIR: 103°

h(m)	E(lx)	D(m)
1	1002	2.54
2	250	5.07
3	111	7.61
4	63	10.14
5	40	12.68



Beam Angle DIR: 73°

h(m)	E(lx)	D(m)
1	1497	1.47
2	374	2.95
3	166	4.42
4	94	5.90
5	60	7.37

IN - FINITY

Accessories / Accesorios

Metal end cap for the different profiles.
2 unit kit.

Tapa metálica para los diferentes perfiles.
Kit de 2 unidades.

Contact Flos Architectural team for a
configuration without end caps.

Consultar al equipo Flos Architectural para una
configuración sin tapas.

*No Trim Recessed version is only available in
white finish (40).

*La versión Recessed No Trim solo está disponible
en acabado blanco (40).



Recessed Trim

35 mm

- 08.9051.40
- 08.9051.02
- 08.9051.NS

70 mm

- 08.9053.40
- 08.9053.02
- 08.9053.NS

100 mm

- 08.9055.40
- 08.9055.02
- 08.9055.NS

Recessed No Trim*/ Surface / Suspension Down

35 mm

- 08.9050.40
- 08.9050.02
- 08.9050.NS

70 mm

- 08.9052.40
- 08.9052.02
- 08.9052.NS

100 mm

- 08.9054.40
- 08.9054.02
- 08.9054.NS

Suspension Up&Down

35 mm

- 08.9056.40
- 08.9056.02
- 08.9056.NS

70 mm

- 08.9057.40
- 08.9057.02
- 08.9057.NS

100 mm

- 08.9058.40
- 08.9058.02
- 08.9058.NS

One unit suspension kit (L = 4 m). Maximum
distance between the suspension cables: 2 m.

Kit de suspensión de una pieza (L = 4 m). La
distancia máxima entre los cables de suspensión
es de 2 m.



08.0030

Power supply rose for the hanging installation of the
In-finity. The standard version comes with a three-
pole cable for basic switching. The Dali version
comes with a five-pole cable that can be used for
double switching, independent from the direct and
indirect lighting in the standard Up&Down version.
Includes a 4 m suspension cable.

Rosetón de alimentación para la instalación
suspendida del In-Finity. La versión estándar se
suministra con cable de tres polos para encendido
simple. La versión Dali se suministra con cable de
cinco polos que puede ser utilizado para el encendido
doble independiente de la luz directa e indirecta en
la versión Up&Down estándar. Incluye cable de
suspensión de 4 m.



08.0031.00
Dali Version
08.0031.00.DA

500 mm opal diffuser. Diffuse, glare free and
uniform lighting throughout the room.
Accessory to fill gaps in structures with corners or
longer than 3 meters.

Accesorio difusor opal de 500 mm. Iluminación
ambiental difusa, uniforme y apantallada.
Accesorio para completar huecos en estructuras
con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0109.00
In-Finity 70
08.0110.00
In-Finity 100
08.0111.00

500 mm micro-prismatic diffuser. Highly efficient
multilayer diffuser that, thanks to its unique micro-
prismatic texture, provides a glare free UGR<19
light beam.
Accessory to fill gaps in structures with corners or
longer than 3 meters.

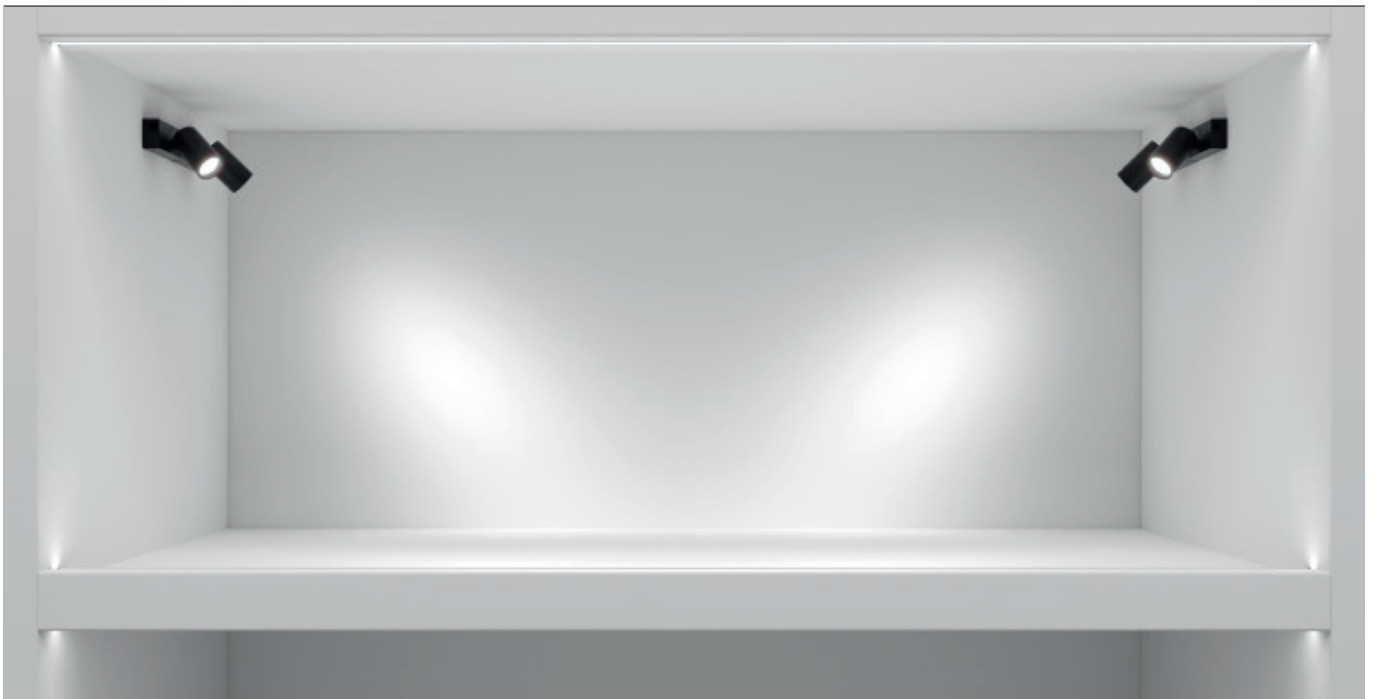
Accesorio microprismático opal de 500 mm. Difusor
de alta eficiencia para iluminación apantallada
de UGR<19, gracias a su especial textura
microprismática multi-estrato.
Accesorio para completar huecos en estructuras
con esquinas o de longitud mayor de 3 m.



In-Finity 35
08.0112.00
In-Finity 70
08.0113.00
In-Finity 100
08.0114.00

LED SQUAD / LED SQUAD MINI

DESIGNED BY FLOS ARCHITECTURAL



**LED SQUAD
MINI**



LIGHT SOURCE
POWER LED
17W/m
24V
1900 lm/m
3000K/CRI 90

LED SQUAD



LIGHT SOURCE
TOP LED
25W/m
24V
2500 lm/m
3000K/CRI 90

**LED SQUAD
1 SPOT**



LIGHT SOURCE
POWER LED
4W
24V
220 lm
3000K/CRI 80

**LED SQUAD
2 SPOTS**



LIGHT SOURCE
POWER LED
6W
24V
2x220 lm
3000K/CRI 80

LED Squad Mini

29 Anodized Aluminium
29 Aluminio Anodizado



LED Squad

29 Anodized Aluminium
29 Aluminio Anodizado

AN Anodized Black
AN Negro Anodizado



LED Squad Spot

30 White
30 Blanco

02 Grey
02 Gris

14 Black
14 Negro



LED SQUAD / LED SQUAD MINI

Description

Luminaire to be installed on surface with LED light source. Made out of aluminium extrusion profile in which linear LED modules are incorporated. It has an opal diffuser to obtain perfect light diffusion and quick connectors to be able to make joints between different length modules. The Spot version is made up of an aluminium optical body which includes a high performance power LED. Optical control is made using lenses, with three opening angles.

Power Supply

The system is powered at 24V, and has 20W and 60W power supplies. Maximum length of LED modules powered from a power supply:

- LED Squad: 2 m (60W).
- LED Squad Mini: 3x1,118 m (60W).

Maximum number of spots connected together with a power supply: 6 spots.

Additional Information

Maximum power with a 60W power supply.
IP20 protection grade.
Insulation class III.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria para ser instalada en superficie con fuente de luz LED. Realizada mediante perfil de extrusión de aluminio en el que se incorporan módulos de LED lineales. Dispone de difusor opal para obtener una difusión óptima de la luz y conectores rápidos para poder realizar uniones entre módulos de diferentes longitudes. La versión Spot está realizada con un cuerpo óptico de aluminio en el que se incorpora un LED de potencia de alto rendimiento. El control óptico se realiza mediante lentes, con tres ángulos de apertura.

Unidades de Alimentación

El sistema se alimenta a 24V, para el que existen fuentes de alimentación de 20W y 60W. Máxima longitud de módulos LED alimentados desde una fuente de alimentación:

- LED Squad: 2 m (60W).
- LED Squad Mini: 3x1,118 m (60W).

Número máximo de spots conectados entre sí con una fuente de alimentación: 6 spots.

Información Adicional

Máxima potencia con una fuente de alimentación 60W.
Índice de protección IP20.
Clase de aislamiento III.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Led Squad

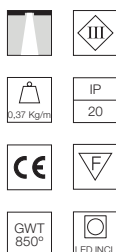
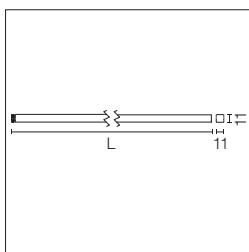


Led Squad Spot

LED SQUAD / LED SQUAD MINI

LED Squad Mini

Light Source: Top LED 17 W/m - 24V - 1900 lm/m - 3000K/CRI 90



Luminaire for surface installation with LED light source. Composed of an extruded aluminum profile to which LED linear modules are incorporated. Invisible dots with continuous light. It has a fast connector in order to join modules of different lengths without wiring. It has a magnetic fixing system on metal surfaces or brackets to screw on conventional surfaces.

Luminaria para instalar en superficie con fuente de luz LED. Compuesta por un perfil de aluminio extruido en el que se incorporan módulos lineales LED. Puntos invisibles con luz continua. Dispone de un conector rápido para poder unir módulos de diferentes longitudes sin cableado. Tiene un sistema de fijación magnética en superficies metálicas o soportes para atornillar en superficies convencionales.

Installation cables and driver not included. To be ordered separately. Not compatible with spots. Non dimmable.

Cables de instalación y driver no incluidos. Se han de pedir por separado. No compatible con spots. No dimmable.

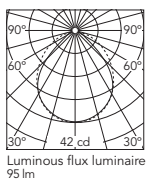
L: 100 mm

1,5W - 190 lm

03.4060.29

10 Units Kit

03.4060.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 42 1.94

2 11 3.88

3 5 5.82

4 3 7.76

5 2 9.70

Luminous flux luminaire 95 lm

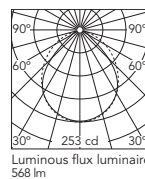
L: 563 mm

8,8W - 1070 lm

03.4063.29

10 Units Kit

03.4063.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 253 1.94

2 63 3.88

3 28 5.82

4 16 7.76

5 10 9.70

Luminous flux luminaire 568 lm

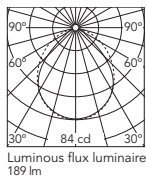
L: 193 mm

2,9W - 367 lm

03.4061.29

10 Units Kit

03.4061.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 84 1.94

2 21 3.88

3 9 5.82

4 5 7.76

5 3 9.70

Luminous flux luminaire 189 lm

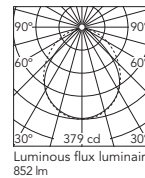
L: 841 mm

13,2W - 1598 lm

03.4064.29

10 Units Kit

03.4064.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 379 1.94

2 95 3.88

3 42 5.82

4 24 7.76

5 15 9.70

Luminous flux luminaire 852 lm

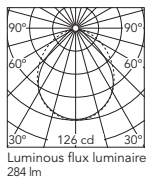
L: 285 mm

4,4W - 542 lm

03.4062.29

10 Units Kit

03.4062.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 126 1.94

2 32 3.88

3 14 5.82

4 8 7.76

5 5 9.70

Luminous flux luminaire 284 lm

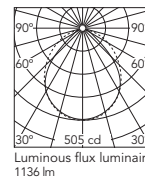
L: 1118 mm

17,6W - 2125 lm

03.4065.29

10 Units Kit

03.4065.29.1Y



Beam Angle: 88°

h(m) E(lx) D(m)

1 505 1.94

2 126 3.88

3 56 5.82

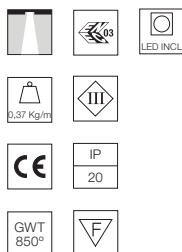
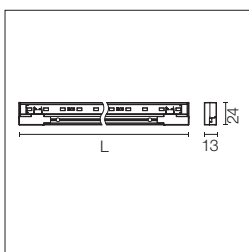
4 32 7.76

5 20 9.70

Luminous flux luminaire 1136 lm

LED Squad

Light Source: Top LED 25 W/m - 24V - 2500 lm/m - 3000K/CRI 90



Direct/indirect lighting wall luminaire with LED. Remote transformer not included. Dimmable.

Luminaria de pared de iluminación directa/indirecta con LED. Transformador remoto no incluido. Dimmable.

Installation cables included: Power cable 500 mm. Connection cable 60 mm.

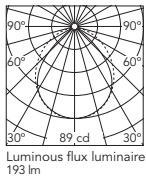
Cables de instalación incluidos: Cable de alimentación 500 mm. Cable de conexión 60 mm.

L: 125 mm

3,2W - 313 lm - 7 LEDs

03.3960.29B

03.3960.ANB



Beam Angle: 86°

h(m) E(lx) D(m)

1 89 1.88

2 22 3.76

3 10 5.64

4 6 7.52

5 4 9.40

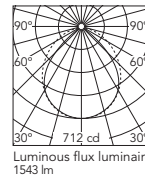
Luminous flux luminaire 193 lm

L: 1000 mm

25W - 2500 lm - 56 LEDs

03.3963.29B

03.3963.ANB



Beam Angle: 86°

h(m) E(lx) D(m)

1 712 1.88

2 178 3.76

3 79 5.64

4 45 7.52

5 28 9.40

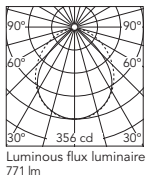
Luminous flux luminaire 1543 lm

L: 500 mm

12,5W - 1250 lm - 28 LEDs

03.3962.29B

03.3962.ANB



Beam Angle: 86°

h(m) E(lx) D(m)

1 356 1.88

2 89 3.76

3 40 5.64

4 22 7.52

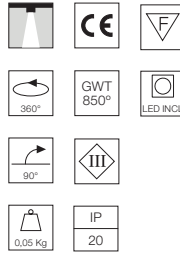
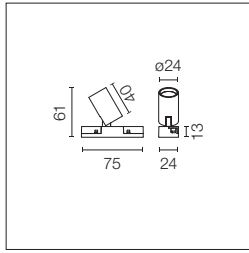
5 14 9.40

Luminous flux luminaire 771 lm

LED SQUAD / LED SQUAD MINI

LED Squad 1 Spot

Light Source: Power LED 4W - 24V - 220 lm - 3000K/CRI 80



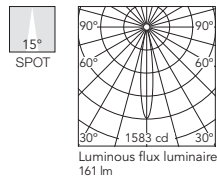
Surface mounted spotlight.
Power supply not included.
Dimmable.

Installation cables included:
Power cable 500 mm.
Connection cable 60 mm.

Proyector para ser instalado en superficie. Fuente de alimentación no incluida.
Dimmable.

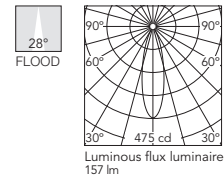
Cables de instalación incluidos:
Cable de alimentación 500 mm.
Cable de conexión 60 mm.

- 03.3970.30A
- 03.3970.02A
- 03.3970.14A



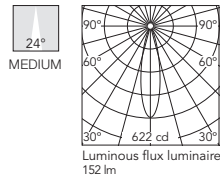
h(m)	E(lx)	D(m)
1	1583	0.27
2	396	0.54
3	176	0.81
4	99	1.08
5	63	1.35

- 03.3972.30A
- 03.3972.02A
- 03.3972.14A



h(m)	E(lx)	D(m)
1	475	0.49
2	119	0.99
3	53	1.48
4	30	1.98
5	19	2.47

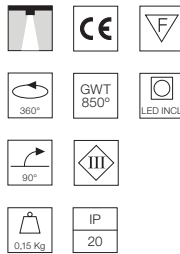
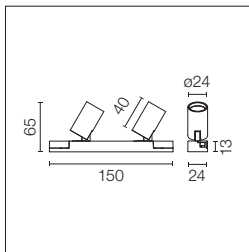
- 03.3971.30A
- 03.3971.02A
- 03.3971.14A



h(m)	E(lx)	D(m)
1	622	0.43
2	156	0.85
3	69	1.28
4	39	1.71
5	25	2.13

LED Squad 2 Spots

Light Source: Power LED 6W - 24V - 2x220 lm - 3000K/CRI 80



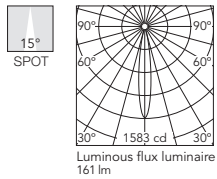
Surface mounted spotlight.
Power supply not included.
Non Dimmable.

Installation cables included:
Power cable 500 mm.
Connection cable 60 mm.

Proyector para ser instalado en superficie. Fuente de alimentación no incluida.
No Dimmable.

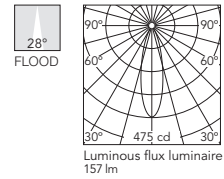
Cables de instalación incluidos:
Cable de alimentación 500 mm.
Cable de conexión 60 mm.

- 03.3975.30A
- 03.3975.02A
- 03.3975.14A



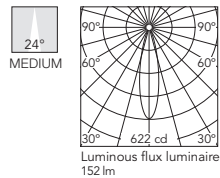
h(m)	E(lx)	D(m)
1	1583	0.27
2	396	0.54
3	176	0.81
4	99	1.08
5	63	1.35

- 03.3977.30A
- 03.3977.02A
- 03.3977.14A



h(m)	E(lx)	D(m)
1	475	0.49
2	119	0.99
3	53	1.48
4	30	1.98
5	19	2.47

- 03.3976.30A
- 03.3976.02A
- 03.3976.14A



h(m)	E(lx)	D(m)
1	622	0.43
2	156	0.85
3	69	1.28
4	39	1.71
5	25	2.13

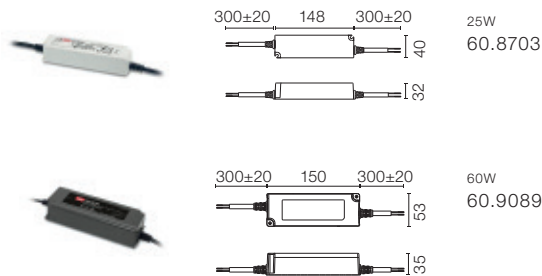
LED SQUAD / LED SQUAD MINI

Drivers / Equipos

LED Squad / LED Squad Mini

Electronic transformer with constant voltage (24V) for LED. 100/240V.

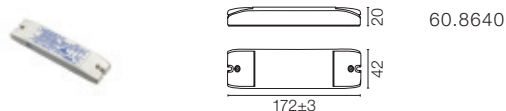
Transformador electrónico de tensión constante (24V) para LED. 100/240V.



LED Squad: except for 2 Spots version / excepto 2 Spots version

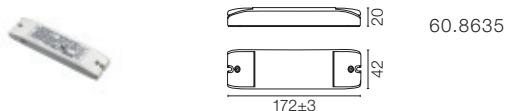
Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



Dimmable Dali control unit with 1 channel for 24V LED modules. Power supply not included.

Unidad de control dimable Dali de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación.



LED Squad Mini

Feed cable 2500 mm.

Cable de alimentación 2500 mm.



06.0097.00

Connection cable 150 mm.

Cable de conexión 150 mm.



06.0098.00

LIGHT CUT MINI

DESIGNED BY FLOS ARCHITECTURAL







PERIMETRAL

70 mm

140 mm



SPOTS MODULES

				
LIGHT SOURCE LED ARRAY 18W 1850 lm 3000K/CRI 90	LIGHT SOURCE LED ARRAY 14,4W 1780 lm 3000K/CRI 80 14,4W 1440 lm 3000K/CRI 90	LIGHT SOURCE POWER LED 10W 840 lm 3000K/CRI 80	LIGHT SOURCE PHOSPHOR LED 17W 1400 lm 3000K/CRI 98 18W 1870 lm 3000K/CRI 80	LIGHT SOURCE QR-CBC 51 GX5.3 max 50W  LED Retrofit Compatible*

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

30 Matt White
30 Blanco Mate

14 Matt Black
14 Negro Mate



LIGHT CUT MINI

Description

Lighting system comprising an extruded profile which integrates perfectly in plasterboard ceilings. It is prepared for the simple integration of lighting with LED or halogens projectors.

The projectors are prepared for installation directly on the profile, with Class II remote equipment. Furthermore, they are available in two sizes depending on the installation. It has accessories for visual comfort optimization and colour filters.

Additional Information

Can only be installed in 12.5 mm thick plaster-board.

It is possible to cut the profiles to any size.

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Sistema de iluminación que se compone de un perfil de extrusión que se integra perfectamente en techos realizados en cartón yeso. Está preparado para integrar de una forma sencilla iluminación con proyectores LED o halógenos.

Los proyectores están preparados para ser instalados directamente sobre el perfil, con equipos remotos de clase II. Además están disponibles en dos tamaños en función de la instalación. Dispone de accesorios para optimizar el confort visual y filtros de color.

Información Adicional

Únicamente instalable en superficies de cartón-yeso de 12,5 mm de espesor.

Es posible cortar los perfiles a cualquier medida.

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Profiles



Spot Module



Spot Module
Electrical
Connection

LIGHT CUT MINI – PROFILES

Channel 70 / Channel 140 Installation

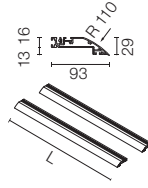
Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Channel installation consists of 1 or 2 meter profiles, double inside and outside corners. It is possible to cut the profiles to any size.

Instalación Canal 70 / Canal 140

Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación en canal se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores dobles. Es posible cortar los perfiles a cualquier medida.

Aluminium profile. 2 unit kit.

Perfil de aluminio. Kit de 2 unidades.



Channel 70 / 140

L: 1000 mm

08.8720.30

08.8720.14

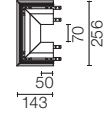
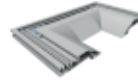
L: 2000 mm

08.8721.30

08.8721.14

End cap.

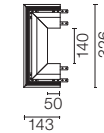
Terminal.



Channel 70

08.8705.30

08.8705.14



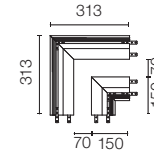
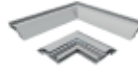
Channel 140

08.8706.30

08.8706.14

Corner.

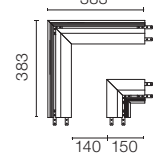
Esquina.



Channel 70

08.8707.30

08.8707.14



Channel 140

08.8708.30

08.8708.14

Perimetral Installation

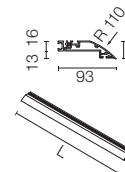
Structural system in aluminium to integrate in plasterboard ceilings. It allows incorporation of projectors. Perimetral installation consists of 1 or 2 meter profiles, inside and outside corners. It is possible to cut the profiles to any size.

Instalación Perimetral

Sistema estructural realizado en aluminio para integrar en techos realizados en cartón yeso. Permite incorporar proyectores. Para la instalación perimetral se compone de perfiles de 1 ó 2 metros, esquinas interiores y exteriores. Es posible cortar los perfiles a cualquier medida.

Aluminium profile. 1 unit kit.

Perfil de aluminio. Kit de 1 unidad.



L: 1000 mm

08.8701.30

08.8701.14

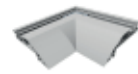
L: 2000 mm

08.8702.30

08.8702.14

Inner corner.

Esquina interior.

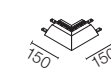


08.8709.30

08.8709.14

Outer corner.

Esquina exterior.



08.8710.30

08.8710.14

Accessory for vertical corner.

Accesorio para esquina vertical.

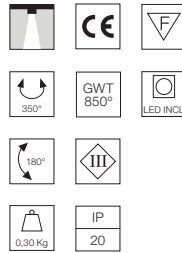
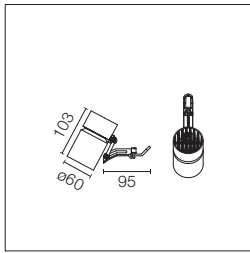


08.8711.00

LIGHT CUT MINI – SPOTS

Spot Module Pro LED Array

Light Source: LED Array / LED Array High Performance DC 500 mA - 18W - 1850 lm - 3000K/CRI 90



Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included. High performance part numbers include high performance reflector.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida. Las referencias "High Performance" incluyen reflector de alto rendimiento.

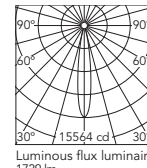
Recommended power supply / Equipos recomendados*:

- Non Dimmable 220-240V 60.9160
- Dimmable 0/1-10V / Push 220-240V 60.9188
- Dimmable Dali 1 110-240V 60.8847
- Dimmable DALI 2 110-240V 60.9222
- Mains Dimming 220-240V 60.9467
- Casambi 220-240V 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

High Performance

- 09.0365.30
- 09.0365.14

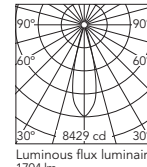


Beam Angle: 16°

h(m)	E(lx)	D(m)
1	15564	0.28
2	3891	0.57
3	1729	0.85
4	973	1.14
5	623	1.42

High Performance

- 09.0366.30
- 09.0366.14

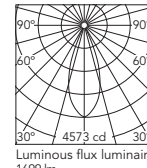


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8429	0.48
2	2107	0.96
3	937	1.44
4	527	1.91
5	337	2.39

High Performance

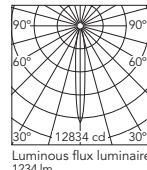
- 09.0367.30
- 09.0367.14



Beam Angle: 38°

h(m)	E(lx)	D(m)
1	4573	0.69
2	1143	1.37
3	508	2.06
4	286	2.75
5	183	3.43

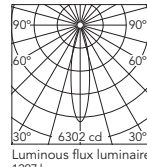
- 09.0360.30
- 09.0360.14



Beam Angle: 11°

h(m)	E(lx)	D(m)
1	12834	0.20
2	3209	0.39
3	1426	0.59
4	802	0.78
5	513	0.98

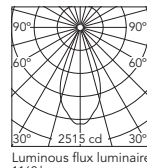
- 09.0361.30
- 09.0361.14



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6302	0.40
2	1576	0.79
3	700	1.19
4	394	1.58
5	252	1.98

- 09.0362.30
- 09.0362.14

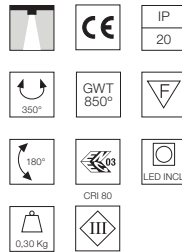
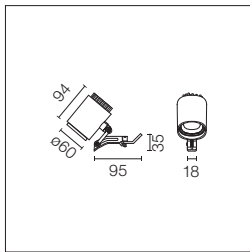


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	2515	0.80
2	629	1.61
3	279	2.41
4	157	3.21
5	101	4.01

Spot Module LED Array

Light Source: LED Array DC 450 mA - 14,4W - 1780 lm - 3000K/CRI 80 / 14,4W - 1440 lm - 3000K/CRI 90



Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

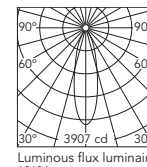
Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

Recommended power supply / Equipos recomendados*:

- Non Dimmable 220-240V 60.9160
- Dimmable 0/1-10V 110-240V 60.9188
- Dimmable Dali 1 110-240V 60.8847
- Mains Dim. Trailing Edge 220-240V 60.9268
- Casambi 220-240V 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

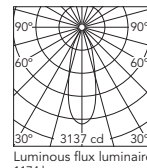
- CRI 80**
- 09.0211.30A
 - 09.0211.14A



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	3907	0.49
2	977	0.99
3	434	1.48
4	244	1.98
5	156	2.47

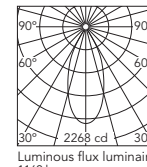
- CRI 80**
- 09.0212.30A
 - 09.0212.14A



Beam Angle: 32°

h(m)	E(lx)	D(m)
1	3137	0.57
2	784	1.13
3	349	1.70
4	196	2.26
5	125	2.83

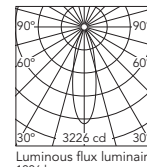
- CRI 80**
- 09.0213.30A
 - 09.0213.14A



Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2268	0.78
2	567	1.56
3	252	2.34
4	142	3.12
5	91	3.91

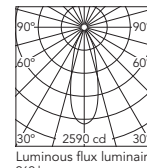
- CRI 90**
- 09.0217.30A
 - 09.0217.14A



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	3226	0.49
2	806	0.99
3	358	1.48
4	202	1.98
5	129	2.47

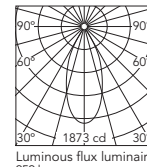
- CRI 90**
- 09.0218.30A
 - 09.0218.14A



Beam Angle: 32°

h(m)	E(lx)	D(m)
1	2590	0.57
2	647	1.13
3	288	1.70
4	162	2.26
5	104	2.83

- CRI 90**
- 09.0219.30A
 - 09.0219.14A



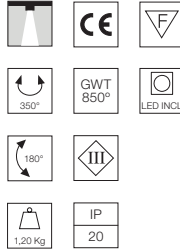
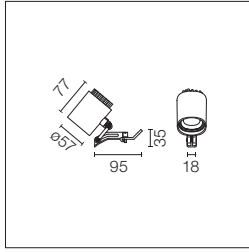
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1873	0.78
2	468	1.56
3	208	2.34
4	117	3.12
5	75	3.91

LIGHT CUT MINI – SPOTS

Spot Module Power LED

Light Source: Power LED DC 900 mA - 10W - 840 lm - 3000K/CRI 80



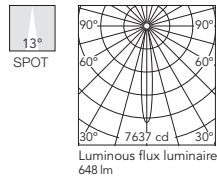
Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

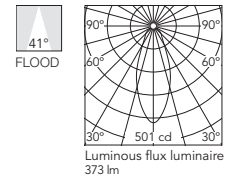
Recommended power supply / Equipos recomendados*:
 Non Dimmable 220-240V 60.9162
 Dimmable 0/1-10V 110-240V 60.9188
 Dimmable DALI 2 110-240V 60.9186
 Mains Dimming 220-240V 60.9467
 Casambi 220-240V 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 09.0220.30A
- 09.0220.14A

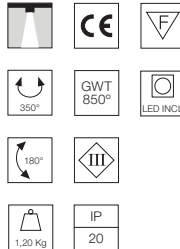
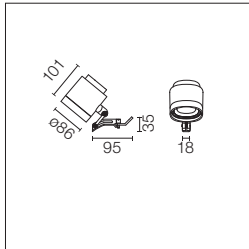


- 09.0221.30A
- 09.0221.14A



Spot Module Phosphor LED

Light Source: Phosphor LED DC 650 mA - 18W - 1870 lm - 3000K/CRI 80 / DC 700 mA - 17W - 1400 lm - 3000K/CRI 98



Spotlight to be installed on Light Cut Mini system. Remote continuous current supply source not included.

Proyector para ser instalado en sistema Light Cut Mini. Fuente de alimentación de corriente constante remota no incluida.

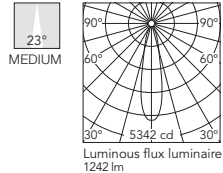
Only for Channel 140 installation.

Solo para instalación en Canal 140.

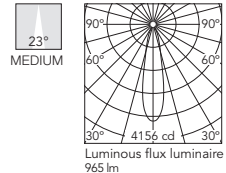
Recommended power supply / Equipos recomendados*:
 Non Dimmable 220-240V 60.9162
 Dimmable 0/1-10V 110-240V 60.9188
 Dimmable DALI 2 110-240V 60.9186
 Mains Dimming 220-240V 60.9467
 Casambi 220-240V 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

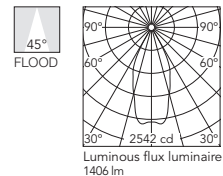
- CRI 80**
- 09.0230.30
- 09.0230.14



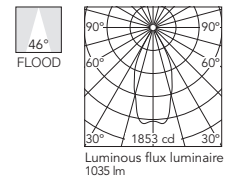
- CRI 98**
- 09.0232.30
- 09.0232.14



- CRI 80**
- 09.0231.30
- 09.0231.14

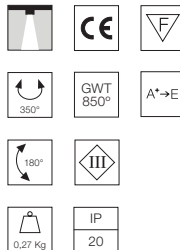
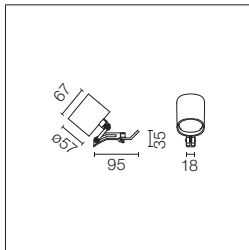


- CRI 98**
- 09.0233.30
- 09.0233.14



Spot Module QR-CBC 51

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Spotlight to be installed on Light Cut Mini system. Electronic transformer remote not included.

Proyector para ser instalado en sistema Light Cut Mini. Transformador electrónico remoto no incluido.

- 09.0203.30
- 09.0203.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

LIGHT CUT MINI

Accessories / Accesorios

Spot module: Power LED / QR-CBC 51

Screening cylinder.
Accesorio de apantallamiento.



08.8380.30
08.8380.14

Filter-holder made from injected aluminium.
Portafiltros realizado en aluminio inyectado.



08.8363.30
08.8363.14

Honeycomb
Honeycomb



08.8182.14

Blue filter
Filtro azul



08.8230.64.OD

Sky blue filter
Filtro celeste



08.8230.65.OD

Amber filter
Filtro ámbar



08.8230.66.OD

Red filter
Filtro rojo



08.8230.67.OD

U.V. filter
Filtro anti U.V.



08.8230.98.OD

Hot light
Hot light



08.8230.69

Cold light
Cold light



08.8230.CL

Daylight
Daylight



08.8230.DL

Neodimium
Neodimium



08.8230.ND

Spot module: LED Array 14,4W

Honeycomb
Honeycomb



08.8502.14

Blue filter
Filtro azul



08.8501.64.OD

Sky blue filter
Filtro celeste



08.8501.65.OD

Amber filter
Filtro ámbar



08.8501.66.OD

Red filter
Filtro rojo



08.8501.67.OD

Hot light
Hot light



08.8501.69

Cold light
Cold light



08.8501.CL

Daylight
Daylight



08.8501.DL

Neodimium
Neodimium



08.8501.ND

Spot module: LED Array 18W

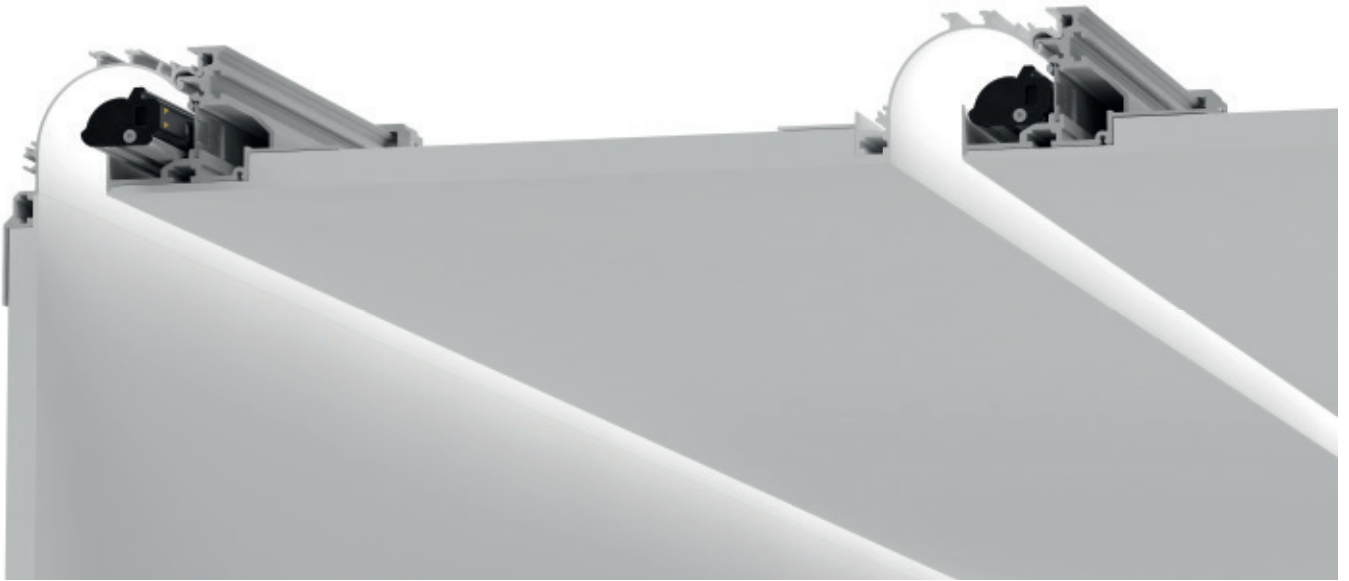
Honeycomb
Honeycomb



08.3309.14

MOONLINE

DESIGNED BY FRANK SINNAEVE AND STEPHAN GUNST



LIGHT STRIPE
125 mm



LIGHT SOURCE
TOP LED
2W
254 lm
3000K/CRI 80

LIGHT STRIPE
500 mm



LIGHT SOURCE
TOP LED
8W
1025 lm
3000K/CRI 80

00 Primer
00 Imprimación



40 White
40 Blanco



Description

Recessed luminaire for indoor use, mounted on plasterboard ceiling/wall. Elegant integration with spaces. Moonline is comprised of extruded aluminium profiles with natural anodised finish. It has a magnetic fixture system that houses the lighting modules, with latest generation LED light sources.

Due to this magnetic fixture system, the light modules can be easily installed and repositioned, without the need for specific tools.

The lighting modules are available in lengths of 500 mm and 150 mm with opal PMMA diffuser that guarantees uniform lighting.

Power Supply

The product is supplied pre-wired to be connected to a 24V/240W remote power supply source not included.

Accessories

Accessory to remove the Light Stripe modules much easier.

Additional Information

Can only be installed in 12.5 mm thick plaster-board.

Moonline is an electric system supplied at 24V and limited to a maximum current of 10A.

To avoid overload problems, the installation of an independent 240W power supply source is recommended for every 12 m installed.

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para empotrar en pared/techo de cartón yeso. Elegante integración en espacios.

Moonline se compone de perfiles de aluminio extruido sobre el que se posicionan, mediante un sistema de fijación magnética, módulos de iluminación con fuentes de luz LED de última generación.

Debido al sistema de fijación magnética, los módulos de luz se pueden instalar y reubicar fácilmente, sin necesidad de herramientas específicas.

Los módulos de iluminación están disponibles en 500 mm y 150 mm de longitud con difusor PMMA opal que garantiza una iluminación uniforme.

Unidades de Alimentación

El producto se suministra precableado para ser conectado a una fuente de alimentación remota 24V/240W no incluida.

Accesorios

Accesorio para facilitar la extracción de los módulos de luz Light Stripe.

Información Adicional

Únicamente instalable en superficies de cartón yeso de 12,5 mm de espesor.

El Moonline es un sistema eléctrico alimentado a 24V y limitado a una corriente máxima de 10A.

Para evitar problemas de sobrecarga, se recomienda instalar una fuente de alimentación independiente de 240W cada 12 m de instalación.

Índice de protección IP20.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Light Stripe

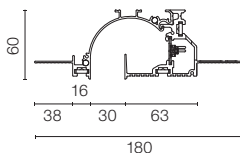
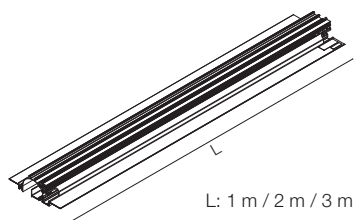


Profiles

MOONLINE – PROFILES

Profiles

Profile made of extruded aluminium to recess into plasterboard walls/ceilings. It includes magnetic track to directly install LED lighting modules.



Perfiles

Perfil realizado en aluminio extruido para empotrar en techos/paredes de cartón yeso. Integra pista magnética para la instalación directa de los módulos de iluminación LED.

L: 1000 mm

06.1100.00

06.1100.40

L: 2000 mm

06.1105.00

06.1105.40

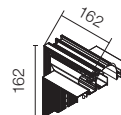
L: 3000 mm

06.1110.00

06.1110.40

Vertical corner.

Esquina vertical.

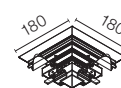


06.1133.00

06.1133.40

Horizontal corner.

Esquina horizontal.

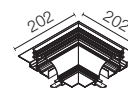


06.1134.00

06.1134.40

Outer corner.

Esquina exterior.

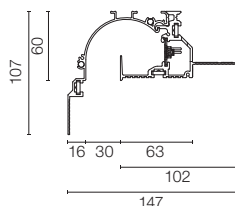
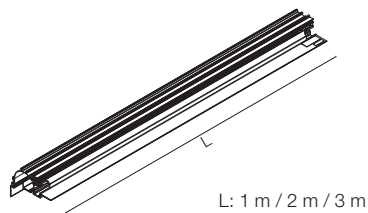


06.1135.00

06.1135.40

Perimeter Profile

Perimeter profile made of extruded aluminium to recess into plasterboard walls/ceilings. It includes magnetic track to directly install LED lighting modules.



Perfiles Perimetrales

Perfil perimetral realizado en aluminio extruido para empotrar en techos/paredes de cartón yeso. Integra pista magnética para la instalación directa de los módulos de iluminación LED.

L: 1000 mm

06.1115.00

06.1115.40

L: 2000 mm

06.1120.00

06.1120.40

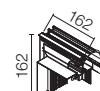
L: 3000 mm

06.1125.00

06.1125.40

Vertical perimeter corner.

Esquina perimetral vertical.



06.1130.00

06.1130.40

Inner perimeter corner.

Esquina interior perimetral.



06.1131.00

06.1131.40

Outer perimeter corner.

Esquina exterior perimetral.



06.1132.00

06.1132.40

Metal cover for profiles. 2 unit kit.

Tapa metálica para los perfiles.
Kit de 2 unidades.



08.8914.00

08.8914.40

Connection cable. 1 m.

Cable de conexión a fuente de
alimentación. 1 m.

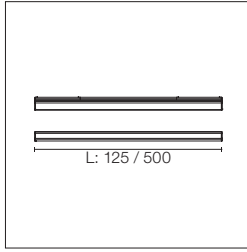


06.1140.00

MOONLINE – LIGHT MODULE

Light Stripe 125 / 500 mm

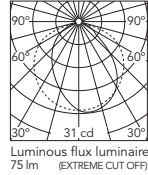
Light Source: Top LED 16W/m - 2050 lm/m - 3000K/CRI 80



LED lighting module for scattered light, to be installed in Moonline system.

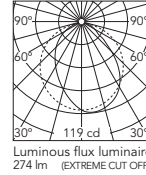
Módulo de iluminación LED de luz difusa para ser instalado en el sistema Moonline.

L: 125 mm
2W - 254 lm
06.1141.00B



h(m)	E(lx)	D(m)
1	31	1.75
2	8	3.50
3	3	5.25
4	2	7.01
5	1	8.76

L: 500 mm
8W - 1025 lm
06.1142.00B



h(m)	E(lx)	D(m)
1	119	1.72
2	30	3.44
3	13	5.16
4	7	6.88
5	5	8.60

Accessories / Accesorios

Accessory to remove the Light Stripe modules much easier.

Accesorio para facilitar la extracción de los módulos de luz Light Stripe.

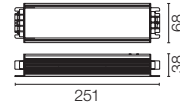


08.8915.00

Drivers / Equipos

LED power supply source for remote installation in 24V/240W electric control panel. To avoid overload problems, the installation of an independent 240W power supply source is recommended for every 12 m installed.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/240W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación independiente de 240W cada 12 m de instalación.



60.8268

HIGH COMFORT

Oblique, Light Shadow, Light Shadow
Pro&Dots, Circle of Light, LED Curtain.

OBLIQUE

DESIGNED BY VINCENT VAN DUYSSEN



LIGHT SOURCE
 TOP LED
 8W
 750 lm
 2700K/CRI 90
 800 lm
 3000K/CRI 90
 850 lm
 4000K/CRI 90

DY Matt White
 DY Blanco Mate

AH Gloss Grey
 AH Gris Brillo

DX Matt Rust
 DX Óxido Mate

DW Matt Brown
 DW Marrón Mate

DR Matt Anthracite
 DR Antracita Mate

DV Gloss Salvia
 DV Salvia Brillo

**Description**

Table lamp with direct light and support. Body in die-cast aluminium. Head in die-cast aluminium with integrated full cut-off asymmetric lens in injection moulded methacrylate. LED source completely hidden from view for the best visual comfort without diaphragms or anti-glare accessories that would limit the performance of the lamp. The special patented optics group exceeds regular lighting standards for application in work and study environments, producing lighting values on the work surface greater than 1000 lux with high glare protection and minimum flickering.

All lamp base versions are equipped with a USB-C connection to recharge compatible devices.

The Qi versions have an external polymer covering on the base that allows for supplementary charging of mobile devices via wireless. Structure made of an extruded tubular aluminium alloy produced mechanically.

The ON/OFF-dimmer switch is integrated into the base and features a timer.

Power Supply

100-240 V - 50/60 Hz electronic transformer.

Additional Information

IP20 protection grade.
 Insulation class III.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Lámpara de mesa con luz directa y soporte. Cuerpo de aluminio fundido. Cabezal de aluminio fundido con lente asimétrica full cut-off integrada en metacrilato estampado por inyección. Fuentes LED totalmente ocultos a la vista para el máximo confort visual sin necesidad de diafragmas ni accesorios antideslumbrantes que limitan las prestaciones del cuerpo de la lámpara. La unidad óptica especial patentada supera los estándares de iluminación habituales para aplicaciones en entornos de trabajo y estudio, proporcionando unos valores de iluminación de la superficie de trabajo superiores a 1000 lux con una alta protección contra el deslumbramiento y una reducción al mínimo del parpadeo.

La base de la lámpara está equipada en todas las versiones con una toma USB-C para recargar dispositivos compatibles.

Las versiones Qi presentan una cubierta externa polimérica de la base que permite la recarga adicional de dispositivos móviles de forma inalámbrica. Estructura realizada con un tubo de aleación de aluminio extruido trabajado mecánicamente.

El interruptor regulador (dimmer) y ON/OFF está integrado en la base y dispone de temporizador.

Unidades de Alimentación

Trasformador electrónico 100-240V - 50/60 Hz.

Información Adicional

Índice de protección IP20.
 Clase de aislamiento III.

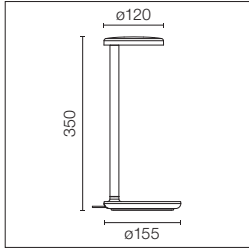
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

OBLIQUE

Oblique

Light Source: Top LED 8W - 24V - 750 lm - 2700K/CRI 90 / 8W - 24V - 800 lm - 3000K/CRI 90 / 8W - 24V - 850 lm - 4000K/CRI 90



0,75 Kg
 IP 20

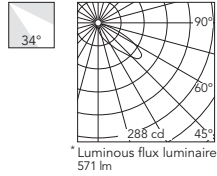
 GWT 850°

Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices.

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles.

2700K

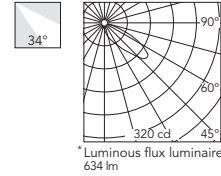
- 09.8300.DY
- 09.8300.AH
- 09.8300.DX
- 09.8300.DW
- 09.8300.DR
- 09.8300.DV



h(m)	E(lx)	D(m)
1	288	1.74
2	72	3.48
3	32	5.23
4	18	6.97
5	12	8.71

4000K

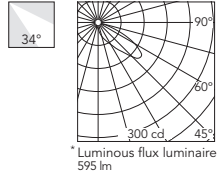
- 09.8302.DY
- 09.8302.AH
- 09.8302.DX
- 09.8302.DW
- 09.8302.DR
- 09.8302.DV



h(m)	E(lx)	D(m)
1	320	1.74
2	80	3.48
3	36	5.23
4	20	6.97
5	13	8.71

3000K

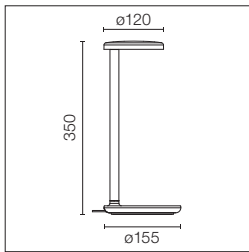
- 09.8301.DY
- 09.8301.AH
- 09.8301.DX
- 09.8301.DW
- 09.8301.DR
- 09.8301.DV



h(m)	E(lx)	D(m)
1	300	1.74
2	75	3.48
3	33	5.23
4	19	6.97
5	12	8.71

Oblique Qi

Light Source: Top LED 8W - 48V - 750 lm - 2700K/CRI 90 / 8W - 48V - 800 lm - 3000K/CRI 90 / 8W - 48V - 850 lm - 4000K/CRI 90



0,75 Kg
 IP 20

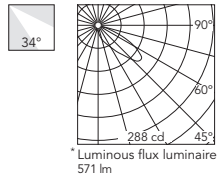
 GWT 850°

Professional table lamp with patented asymmetric optics. External power supply included with 1500-mm cable. USB-C connection integrated into the base of the device to recharge compatible devices. Base with Qi-certified wireless recharging system for mobile devices and wireless recharging cases for compatible devices.

Lámpara de mesa profesional con óptica asimétrica patentada. Se incluye una fuente de alimentación externa equipada con un cable de 1500 mm. Toma USB-C integrada en la base de la luminaria diseñada para cargar dispositivos compatibles. Base con sistema de carga inalámbrica con certificado Qi preparada para dispositivos móviles y cargadores inalámbricos para dispositivos compatibles.

2700K

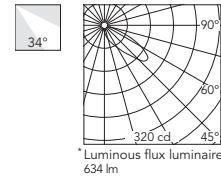
- 09.8310.DY
- 09.8310.AH
- 09.8310.DX
- 09.8310.DW
- 09.8310.DR
- 09.8310.DV



h(m)	E(lx)	D(m)
1	288	1.74
2	72	3.48
3	32	5.23
4	18	6.97
5	12	8.71

4000K

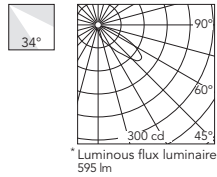
- 09.8312.DY
- 09.8312.AH
- 09.8312.DX
- 09.8312.DW
- 09.8312.DR
- 09.8312.DV



h(m)	E(lx)	D(m)
1	320	1.74
2	80	3.48
3	36	5.23
4	20	6.97
5	13	8.71

3000K

- 09.8311.DY
- 09.8311.AH
- 09.8311.DX
- 09.8311.DW
- 09.8311.DR
- 09.8311.DV



h(m)	E(lx)	D(m)
1	300	1.74
2	75	3.48
3	33	5.23
4	19	6.97
5	12	8.71

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

LIGHT SHADOW

DESIGNED BY FLOS ARCHITECTURAL

FLOS
CONTROL BY CASAMBI



FIXED TRIM/ NO TRIM 2 SPOTS



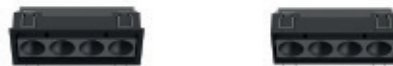
ADJUSTABLE TRIM / NO TRIM 2 SPOTS



FIXED TRIM / NO TRIM 4 SPOTS



ADJUSTABLE TRIM / NO TRIM 4 SPOTS



FIXED TRIM / NO TRIM 8 SPOTS



ADJUSTABLE TRIM / NO TRIM 8 SPOTS



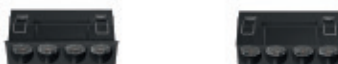
FIXED TRIM / NO TRIM 12 SPOTS



ADJUSTABLE TRIM / NO TRIM 12 SPOTS



WALL-WASHER TRIM / NO TRIM 4 SPOTS



SURFACE 4 SPOTS



LIGHT SHADOW

*compatible module for
The Running Magnet



LIGHT SHADOW

W - W
*compatible module for
The Running Magnet



*See compatible modules for The Running Magnet collection / Ver módulos compatibles para la colección The Running Magnet

LIGHT SOURCE
POWER LED
2,7W x Spot
270 lm x Spot
2700K/CRI 90
285 lm x Spot
3000K/CRI 90

LIGHT SHADOW

Light Shadow Fixed / Adjustable / Wall-Washer Outside / Exterior

40 White
40 Blanco

14 Black
14 Negro

Light Shadow Surface Outside / Exterior

Inside / Interior



White
Blanco

Chrome
Cromo

Matt Gold
Oro Mate

Description

Indoor, embedded and surface luminaires. Due to their main qualities (reduced size, high performance and great screening), they facilitate total integration into spaces.

The family was born of the need for a compact, easy-to-install luminaire, with the distinctive Flos style, able to produce high efficiency lighting, while respecting the highest standards of visual comfort, in versions with black screening bodies.

- Fixed and adjustable embedded versions: 2/4/8/12 spots (Trim/No Trim).

- Fixed surface version: 4 spots.

- Wall-washer version: 4 spots (Trim / No Trim).

The family is offered with super accented, accented and general lighting optics.

For solutions in more decorative settings, the following range of colours has been developed, with a combination of interior and exterior painted finishes:

- exterior finishes: black and white.

- interior finishes: white, matte gold, chrome and black (high comfort optics).

- outdoor box surface version: black and white.

Power Supply

Remote equipment included.

Dali Dimmable version available.

Versions with 110V equipment available upon request.

Accessories

For the No Trim version, pre-installation frame in aluminium for false ceiling installation. It needs to be ordered separately (not necessary for Trim version).

Additional Information

No Trim version has been designed for 12.5 mm thick plasterboard installation.

IP20, IP23, IP44, IP55 protection grade depending on the versions.

Insulation class II.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias de interior, empotrables y de superficie.

Debido a sus principales cualidades: reducido tamaño, rendimiento y gran apantallamiento, facilitan su total integración en espacios.

La familia nace de la necesidad de una luminaria compacta y de fácil instalación, con el estilo distintivo de Flos, capaz de producir una iluminación de alta eficiencia y respetando a su vez los más altos estándares de confort visual, en versiones con cuerpos de apantallamiento negros.

- Versiones empotrables fijas y ajustables: 2/4/8/12 spots (Trim / No Trim).

- Versión fija de superficie: 4 spots.

- Versión wall-washer: 4 spots (Trim / No Trim).

La familia se ofrece con ópticas de súper acento, acento e iluminación general.

Para dar soluciones en ambientes más decorativos se ha desarrollado la siguiente gama de colores con combinación de acabados pintados exteriores e interiores:

- acabados exteriores: blanco y negro.

- acabados interiores: blanco, oro mate, cromo y negro (alto confort óptico).

- box exterior de la versión de superficie: blanco y negro.

Unidades de Alimentación

Equipo remoto incluido.

Versión Dali dimmable disponible.

Versiones con equipo 110V disponibles bajo pedido.

Accesorios

Para la versión No Trim, necesario marco de pre-instalación realizado en aluminio para su instalación en falso techo. Ha de pedirse por separado (no es necesario para la versión Trim).

Información Adicional

La versión No Trim se ha diseñado para una instalación en placas de cartón yeso de un espesor de 12,5 mm.

Índice de protección IP20, IP23, IP44, IP55 según las versiones.

Clase de aislamiento II.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Trim



No Trim



Surface

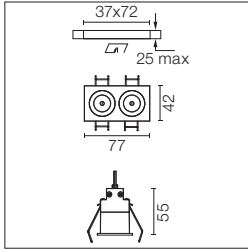


Continuous Line

LIGHT SHADOW

Light Shadow Fixed Trim 2 Spots

Light Source: Power LED 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90



Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

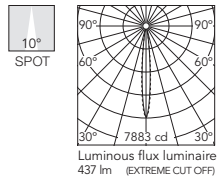
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

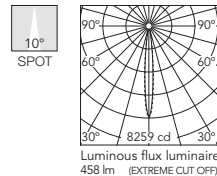
Optic Spot 2700K

Beam Angle	h(m)	E lx	D(m)
10°	1	7883	0.18
20°	2	1971	0.36
30°	3	876	0.54
40°	4	493	0.72
50°	5	315	0.90



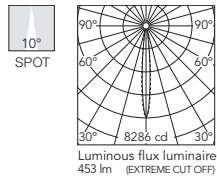
Optic Spot 3000K

Beam Angle	h(m)	E lx	D(m)
10°	1	8259	0.18
20°	2	2065	0.36
30°	3	918	0.54
40°	4	516	0.72
50°	5	330	0.90



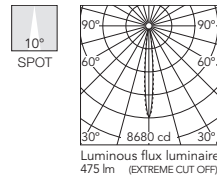
Optic Spot 2700K

Beam Angle	h(m)	E lx	D(m)
10°	1	8286	0.17
20°	2	2071	0.35
30°	3	921	0.52
40°	4	518	0.70
50°	5	331	0.87



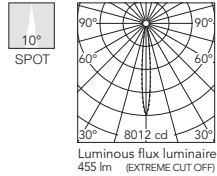
Optic Spot 3000K

Beam Angle	h(m)	E lx	D(m)
10°	1	8680	0.17
20°	2	2170	0.35
30°	3	964	0.52
40°	4	543	0.70
50°	5	347	0.87



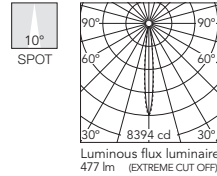
Optic Spot 2700K

Beam Angle	h(m)	E lx	D(m)
10°	1	8012	0.18
20°	2	2003	0.36
30°	3	890	0.55
40°	4	501	0.73
50°	5	320	0.91



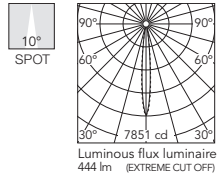
Optic Spot 3000K

Beam Angle	h(m)	E lx	D(m)
10°	1	8394	0.18
20°	2	2098	0.36
30°	3	933	0.55
40°	4	525	0.73
50°	5	336	0.91



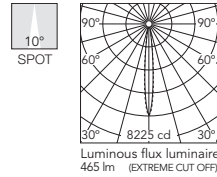
Optic Spot 2700K

Beam Angle	h(m)	E lx	D(m)
10°	1	7851	0.18
20°	2	1963	0.36
30°	3	872	0.55
40°	4	491	0.73
50°	5	314	0.91



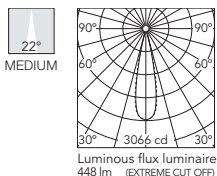
Optic Spot 3000K

Beam Angle	h(m)	E lx	D(m)
10°	1	8225	0.18
20°	2	2056	0.36
30°	3	914	0.55
40°	4	514	0.73
50°	5	329	0.91



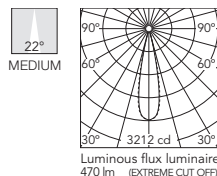
Optic Medium 2700K

Beam Angle	h(m)	E lx	D(m)
22°	1	3066	0.39
44°	2	767	0.78
66°	3	341	1.17
88°	4	192	1.56
110°	5	123	1.95



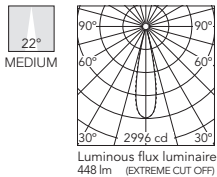
Optic Medium 3000K

Beam Angle	h(m)	E lx	D(m)
22°	1	3212	0.39
44°	2	803	0.78
66°	3	357	1.17
88°	4	201	1.56
110°	5	128	1.95



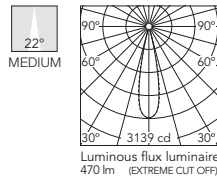
Optic Medium 2700K

Beam Angle	h(m)	E lx	D(m)
22°	1	2996	0.39
44°	2	749	0.78
66°	3	333	1.17
88°	4	187	1.56
110°	5	120	1.95



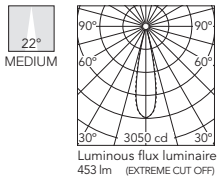
Optic Medium 3000K

Beam Angle	h(m)	E lx	D(m)
22°	1	3139	0.39
44°	2	785	0.78
66°	3	349	1.17
88°	4	196	1.56
110°	5	126	1.95



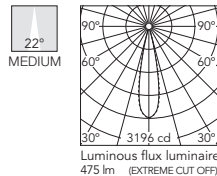
Optic Medium 2700K

Beam Angle	h(m)	E lx	D(m)
22°	1	3050	0.39
44°	2	763	0.77
66°	3	339	1.16
88°	4	191	1.55
110°	5	122	1.94



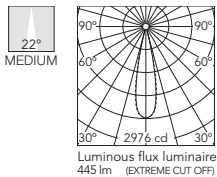
Optic Medium 3000K

Beam Angle	h(m)	E lx	D(m)
22°	1	3196	0.39
44°	2	799	0.77
66°	3	355	1.16
88°	4	200	1.55
110°	5	128	1.94



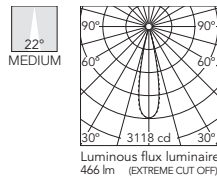
Optic Medium 2700K

Beam Angle	h(m)	E lx	D(m)
22°	1	2976	0.39
44°	2	744	0.78
66°	3	331	1.17
88°	4	186	1.56
110°	5	119	1.95



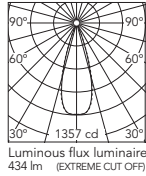
Optic Medium 3000K

Beam Angle	h(m)	E lx	D(m)
22°	1	3118	0.39
44°	2	779	0.78
66°	3	346	1.17
88°	4	195	1.56
110°	5	125	1.95



LIGHT SHADOW

Optic Flood
2700K
E I 03.9106.40A
03.9106.14A
E I Dali Version
03.9106.40ADA
03.9106.14ADA

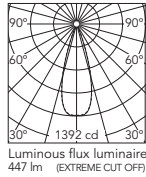


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1357	0.60
2	339	1.19
3	151	1.79
4	85	2.39
5	54	2.99

Luminous flux luminaire
434 lm (EXTREME CUT OFF)

2700K
E I 03.9105.40A
03.9105.14A
E I Dali Version
03.9105.40ADA
03.9105.14ADA

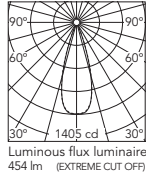


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

Luminous flux luminaire
447 lm (EXTREME CUT OFF)

2700K
E I 03.9107.40A
03.9107.14A
E I Dali Version
03.9107.40ADA
03.9107.14ADA

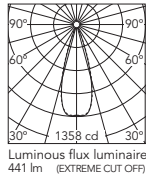


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1405	0.60
2	351	1.19
3	156	1.79
4	88	2.38
5	56	2.98

Luminous flux luminaire
454 lm (EXTREME CUT OFF)

2700K
E I 03.9108.40A
03.9108.14A
E I Dali Version
03.9108.40ADA
03.9108.14ADA

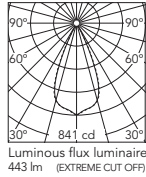


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1358	0.60
2	340	1.20
3	151	1.79
4	85	2.39
5	54	2.99

Luminous flux luminaire
441 lm (EXTREME CUT OFF)

Optic Wide Flood
2700K
E I 03.8301.40A
03.8301.14A
E I Dali Version
03.8301.40ADA
03.8301.14ADA

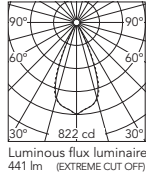


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	841	0.84
2	210	1.69
3	93	2.53
4	53	3.38
5	34	4.22

Luminous flux luminaire
443 lm (EXTREME CUT OFF)

2700K
E I 03.8300.40A
03.8300.14A
E I Dali Version
03.8300.40ADA
03.8300.14ADA

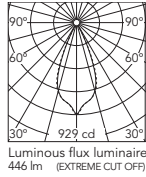


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

Luminous flux luminaire
441 lm (EXTREME CUT OFF)

2700K
E I 03.8302.40A
03.8302.14A
E I Dali Version
03.8302.40ADA
03.8302.14ADA

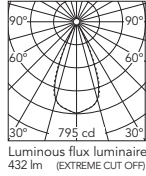


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	929	0.80
2	232	1.60
3	103	2.40
4	58	3.19
5	37	3.99

Luminous flux luminaire
446 lm (EXTREME CUT OFF)

2700K
E I 03.8303.40A
03.8303.14A
E I Dali Version
03.8303.40ADA
03.8303.14ADA

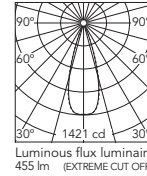


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	795	0.84
2	199	1.69
3	88	2.53
4	50	3.38
5	32	4.22

Luminous flux luminaire
432 lm (EXTREME CUT OFF)

Optic Flood
3000K
E I 03.9116.40A
03.9116.14A
E I Dali Version
03.9116.40ADA
03.9116.14ADA

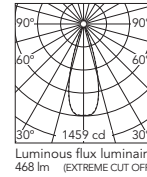


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1421	0.60
2	355	1.19
3	158	1.79
4	89	2.39
5	57	2.99

Luminous flux luminaire
455 lm (EXTREME CUT OFF)

3000K
E I 03.9115.40A
03.9115.14A
E I Dali Version
03.9115.40ADA
03.9115.14ADA

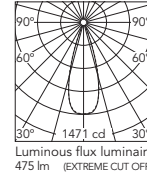


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

Luminous flux luminaire
468 lm (EXTREME CUT OFF)

3000K
E I 03.9117.40A
03.9117.14A
E I Dali Version
03.9117.40ADA
03.9117.14ADA

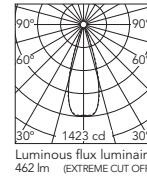


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1471	0.60
2	368	1.19
3	163	1.79
4	92	2.38
5	59	2.98

Luminous flux luminaire
475 lm (EXTREME CUT OFF)

3000K
E I 03.9118.40A
03.9118.14A
E I Dali Version
03.9118.40ADA
03.9118.14ADA

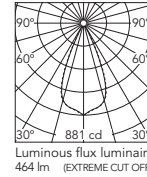


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1423	0.60
2	356	1.20
3	158	1.79
4	89	2.39
5	57	2.99

Luminous flux luminaire
462 lm (EXTREME CUT OFF)

Optic Wide Flood
3000K
E I 03.8305.40A
03.8305.14A
E I Dali Version
03.8305.40ADA
03.8305.14ADA

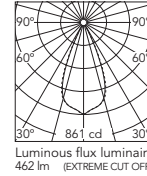


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	881	0.84
2	220	1.69
3	98	2.53
4	55	3.38
5	35	4.22

Luminous flux luminaire
464 lm (EXTREME CUT OFF)

3000K
E I 03.8304.40A
03.8304.14A
E I Dali Version
03.8304.40ADA
03.8304.14ADA

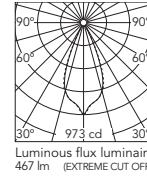


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

Luminous flux luminaire
462 lm (EXTREME CUT OFF)

3000K
E I 03.8306.40A
03.8306.14A
E I Dali Version
03.8306.40ADA
03.8306.14ADA

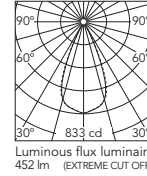


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	973	0.80
2	243	1.60
3	108	2.40
4	61	3.19
5	39	3.99

Luminous flux luminaire
467 lm (EXTREME CUT OFF)

3000K
E I 03.8307.40A
03.8307.14A
E I Dali Version
03.8307.40ADA
03.8307.14ADA



Beam Angle: 46°

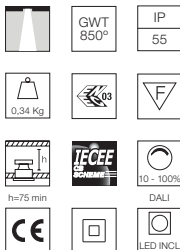
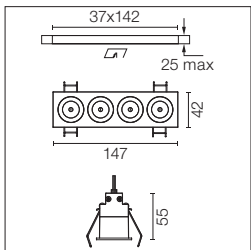
h(m)	E(lx)	D(m)
1	833	0.84
2	208	1.69
3	93	2.53
4	52	3.38
5	33	4.22

Luminous flux luminaire
452 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

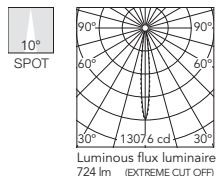
Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I 03.8829.40A
03.8829.14A
Dali Version
E I 03.8829.40ADA
03.8829.14ADA



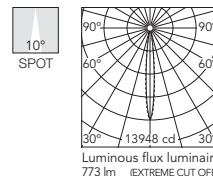
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

Luminous flux luminaire 724 lm (EXTREME CUT OFF)

Optic Spot 3000K

E I 03.8833.40A
03.8833.14A
Dali Version
E I 03.8833.40ADA
03.8833.14ADA



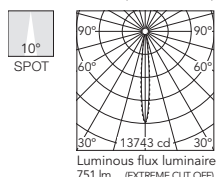
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

Luminous flux luminaire 773 lm (EXTREME CUT OFF)

2700K

E I 03.8828.40A
03.8828.14A
Dali Version
E I 03.8828.40ADA
03.8828.14ADA



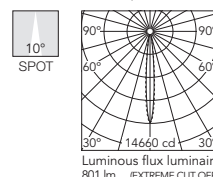
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Luminous flux luminaire 751 lm (EXTREME CUT OFF)

3000K

E I 03.8832.40A
03.8832.14A
Dali Version
E I 03.8832.40ADA
03.8832.14ADA



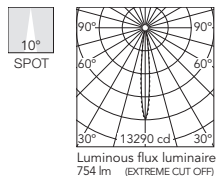
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Luminous flux luminaire 801 lm (EXTREME CUT OFF)

2700K

E I 03.8830.40A
03.8830.14A
Dali Version
E I 03.8830.40ADA
03.8830.14ADA



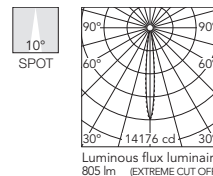
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

Luminous flux luminaire 754 lm (EXTREME CUT OFF)

3000K

E I 03.8834.40A
03.8834.14A
Dali Version
E I 03.8834.40ADA
03.8834.14ADA



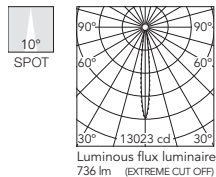
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

Luminous flux luminaire 805 lm (EXTREME CUT OFF)

2700K

E I 03.8831.40A
03.8831.14A
Dali Version
E I 03.8831.40ADA
03.8831.14ADA



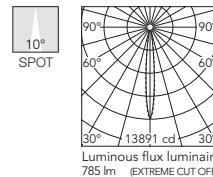
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

3000K

E I 03.8835.40A
03.8835.14A
Dali Version
E I 03.8835.40ADA
03.8835.14ADA



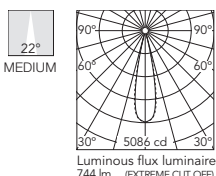
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

Luminous flux luminaire 785 lm (EXTREME CUT OFF)

Optic Medium 2700K

E I 03.9121.40A
03.9121.14A
Dali Version
E I 03.9121.40ADA
03.9121.14ADA



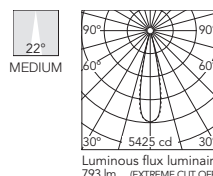
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

Optic Medium 3000K

E I 03.9131.40A
03.9131.14A
Dali Version
E I 03.9131.40ADA
03.9131.14ADA



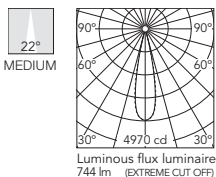
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K

E I 03.9120.40A
03.9120.14A
Dali Version
E I 03.9120.40ADA
03.9120.14ADA



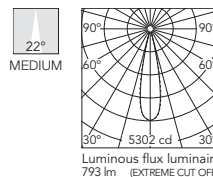
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

3000K

E I 03.9130.40A
03.9130.14A
Dali Version
E I 03.9130.40ADA
03.9130.14ADA



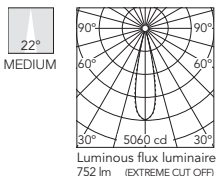
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K

E I 03.9122.40A
03.9122.14A
Dali Version
E I 03.9122.40ADA
03.9122.14ADA



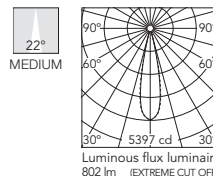
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5060	0.39
2	1265	0.77
3	562	1.16
4	316	1.55
5	202	1.94

Luminous flux luminaire 752 lm (EXTREME CUT OFF)

3000K

E I 03.9132.40A
03.9132.14A
Dali Version
E I 03.9132.40ADA
03.9132.14ADA



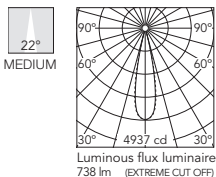
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5397	0.39
2	1349	0.77
3	600	1.16
4	337	1.55
5	216	1.94

Luminous flux luminaire 802 lm (EXTREME CUT OFF)

2700K

E I 03.9123.40A
03.9123.14A
Dali Version
E I 03.9123.40ADA
03.9123.14ADA



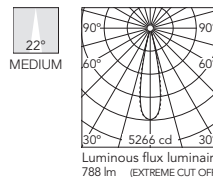
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4937	0.39
2	1234	0.78
3	549	1.17
4	309	1.56
5	197	1.95

Luminous flux luminaire 738 lm (EXTREME CUT OFF)

3000K

E I 03.9133.40A
03.9133.14A
Dali Version
E I 03.9133.40ADA
03.9133.14ADA



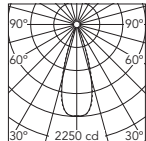
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5266	0.39
2	1316	0.78
3	585	1.17
4	329	1.56
5	211	1.95

Luminous flux luminaire 788 lm (EXTREME CUT OFF)

LIGHT SHADOW

Optic Flood
2700K
E I 03.9126.40A
03.9126.14A
E I Dali Version
03.9126.40ADA
03.9126.14ADA

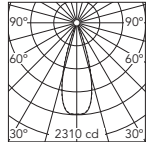


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire
720 lm (EXTREME CUT OFF)

2700K
E I 03.9125.40A
03.9125.14A
E I Dali Version
03.9125.40ADA
03.9125.14ADA

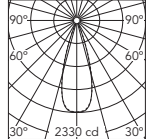


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Luminous flux luminaire
741 lm (EXTREME CUT OFF)

2700K
E I 03.9127.40A
03.9127.14A
E I Dali Version
03.9127.40ADA
03.9127.14ADA

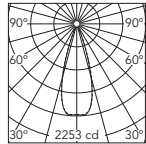


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2330	0.60
2	582	1.19
3	259	1.79
4	146	2.38
5	93	2.98

Luminous flux luminaire
752 lm (EXTREME CUT OFF)

2700K
E I 03.9128.40A
03.9128.14A
E I Dali Version
03.9128.40ADA
03.9128.14ADA

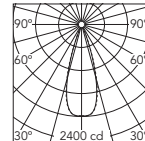


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2253	0.60
2	563	1.20
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire
732 lm (EXTREME CUT OFF)

Optic Flood
3000K
E I 03.9136.40A
03.9136.14A
E I Dali Version
03.9136.40ADA
03.9136.14ADA

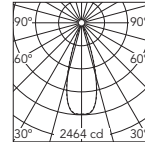


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire
768 lm (EXTREME CUT OFF)

3000K
E I 03.9135.40A
03.9135.14A
E I Dali Version
03.9135.40ADA
03.9135.14ADA

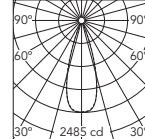


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Luminous flux luminaire
790 lm (EXTREME CUT OFF)

3000K
E I 03.9137.40A
03.9137.14A
E I Dali Version
03.9137.40ADA
03.9137.14ADA

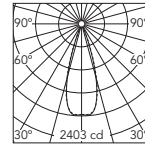


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2485	0.60
2	621	1.19
3	276	1.79
4	155	2.38
5	99	2.98

Luminous flux luminaire
803 lm (EXTREME CUT OFF)

3000K
E I 03.9138.40A
03.9138.14A
E I Dali Version
03.9138.40ADA
03.9138.14ADA

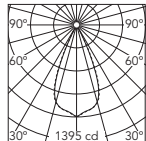


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2403	0.60
2	601	1.20
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire
781 lm (EXTREME CUT OFF)

Optic Wide Flood
2700K
E I 03.8309.40A
03.8309.14A
E I Dali Version
03.8309.40ADA
03.8309.14ADA

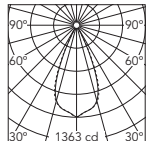


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Luminous flux luminaire
735 lm (EXTREME CUT OFF)

2700K
E I 03.8308.40A
03.8308.14A
E I Dali Version
03.8308.40ADA
03.8308.14ADA

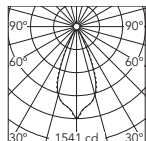


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Luminous flux luminaire
731 lm (EXTREME CUT OFF)

2700K
E I 03.8310.40A
03.8310.14A
E I Dali Version
03.8310.40ADA
03.8310.14ADA

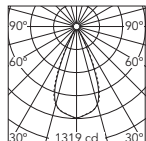


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1541	0.80
2	385	1.60
3	171	2.40
4	96	3.19
5	62	3.99

Luminous flux luminaire
739 lm (EXTREME CUT OFF)

2700K
E I 03.8311.40A
03.8311.14A
E I Dali Version
03.8311.40ADA
03.8311.14ADA

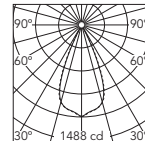


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1319	0.84
2	330	1.69
3	147	2.53
4	82	3.38
5	53	4.22

Luminous flux luminaire
716 lm (EXTREME CUT OFF)

Optic Wide Flood
3000K
E I 03.8313.40A
03.8313.14A
E I Dali Version
03.8313.40ADA
03.8313.14ADA

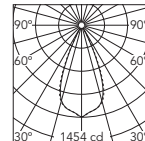


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

Luminous flux luminaire
784 lm (EXTREME CUT OFF)

3000K
E I 03.8312.40A
03.8312.14A
E I Dali Version
03.8312.40ADA
03.8312.14ADA

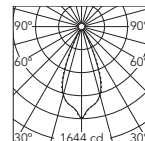


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Luminous flux luminaire
780 lm (EXTREME CUT OFF)

3000K
E I 03.8314.40A
03.8314.14A
E I Dali Version
03.8314.40ADA
03.8314.14ADA

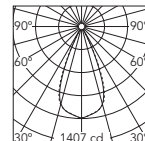


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1644	0.80
2	411	1.60
3	183	2.40
4	103	3.19
5	66	3.99

Luminous flux luminaire
789 lm (EXTREME CUT OFF)

3000K
E I 03.8315.40A
03.8315.14A
E I Dali Version
03.8315.40ADA
03.8315.14ADA



Beam Angle: 46°

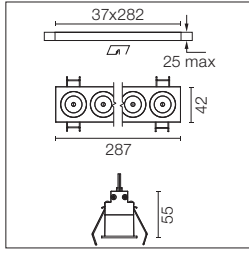
h(m)	E(lx)	D(m)
1	1407	0.84
2	352	1.69
3	156	2.53
4	88	3.38
5	56	4.22

Luminous flux luminaire
764 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed Trim 8 Spots

Light Source: Power LED 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90



Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

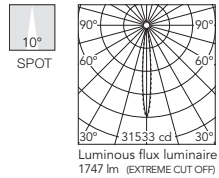
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

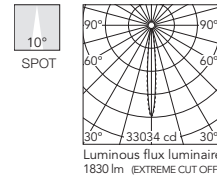
E I 03.8837.40A
03.8837.14A
Dali Version
E I 03.8837.40ADA
03.8837.14ADA



h(m)	E(lx)	D(m)
1	31533	0.18
2	7883	0.36
3	3504	0.54
4	1971	0.72
5	1261	0.90

Optic Spot 3000K

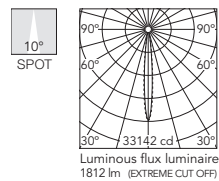
E I 03.8841.40A
03.8841.14A
Dali Version
E I 03.8841.40ADA
03.8841.14ADA



h(m)	E(lx)	D(m)
1	33034	0.18
2	8259	0.36
3	3670	0.54
4	2065	0.72
5	1321	0.90

2700K

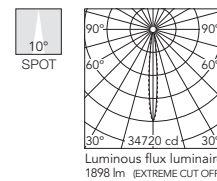
E I 03.8836.40A
03.8836.14A
Dali Version
E I 03.8836.40ADA
03.8836.14ADA



h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

3000K

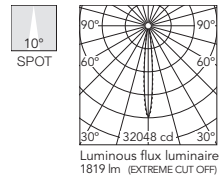
E I 03.8840.40A
03.8840.14A
Dali Version
E I 03.8840.40ADA
03.8840.14ADA



h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

2700K

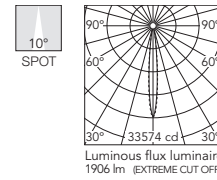
E I 03.8838.40A
03.8838.14A
Dali Version
E I 03.8838.40ADA
03.8838.14ADA



h(m)	E(lx)	D(m)
1	32048	0.18
2	8012	0.36
3	3561	0.55
4	2003	0.73
5	1282	0.91

3000K

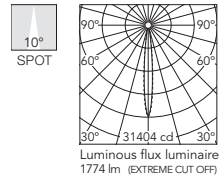
E I 03.8842.40A
03.8842.14A
Dali Version
E I 03.8842.40ADA
03.8842.14ADA



h(m)	E(lx)	D(m)
1	33574	0.18
2	8394	0.36
3	3730	0.55
4	2098	0.73
5	1343	0.91

2700K

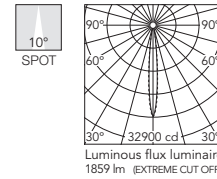
E I 03.8839.40A
03.8839.14A
Dali Version
E I 03.8839.40ADA
03.8839.14ADA



h(m)	E(lx)	D(m)
1	31404	0.18
2	7851	0.36
3	3489	0.55
4	1963	0.73
5	1256	0.91

3000K

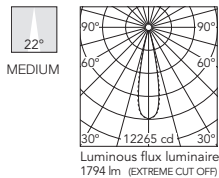
E I 03.8843.40A
03.8843.14A
Dali Version
E I 03.8843.40ADA
03.8843.14ADA



h(m)	E(lx)	D(m)
1	32900	0.18
2	8225	0.36
3	3656	0.55
4	2056	0.73
5	1316	0.91

Optic Medium 2700K

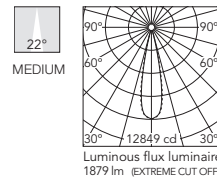
E I 03.9141.40A
03.9141.14A
Dali Version
E I 03.9141.40ADA
03.9141.14ADA



h(m)	E(lx)	D(m)
1	12265	0.39
2	3066	0.78
3	1363	1.17
4	767	1.56
5	491	1.95

Optic Medium 3000K

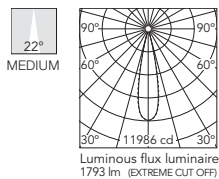
E I 03.9151.40A
03.9151.14A
Dali Version
E I 03.9151.40ADA
03.9151.14ADA



h(m)	E(lx)	D(m)
1	12849	0.39
2	3212	0.78
3	1428	1.17
4	803	1.56
5	514	1.95

2700K

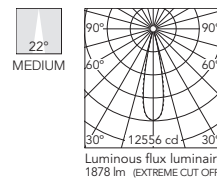
E I 03.9140.40A
03.9140.14A
Dali Version
E I 03.9140.40ADA
03.9140.14ADA



h(m)	E(lx)	D(m)
1	11986	0.39
2	2996	0.78
3	1332	1.17
4	749	1.56
5	479	1.95

3000K

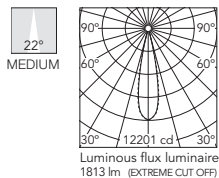
E I 03.9150.40A
03.9150.14A
Dali Version
E I 03.9150.40ADA
03.9150.14ADA



h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

2700K

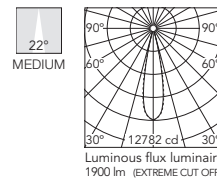
E I 03.9142.40A
03.9142.14A
Dali Version
E I 03.9142.40ADA
03.9142.14ADA



h(m)	E(lx)	D(m)
1	12201	0.39
2	3050	0.77
3	1356	1.16
4	763	1.55
5	488	1.94

3000K

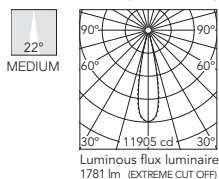
E I 03.9152.40A
03.9152.14A
Dali Version
E I 03.9152.40ADA
03.9152.14ADA



h(m)	E(lx)	D(m)
1	12782	0.39
2	3196	0.77
3	1420	1.16
4	799	1.55
5	511	1.94

2700K

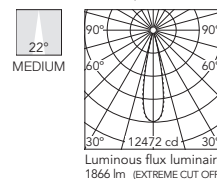
E I 03.9143.40A
03.9143.14A
Dali Version
E I 03.9143.40ADA
03.9143.14ADA



h(m)	E(lx)	D(m)
1	11905	0.39
2	2976	0.78
3	1323	1.17
4	744	1.56
5	476	1.95

3000K

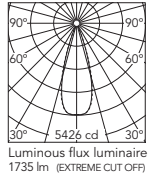
E I 03.9153.40A
03.9153.14A
Dali Version
E I 03.9153.40ADA
03.9153.14ADA



h(m)	E(lx)	D(m)
1	12472	0.39
2	3118	0.78
3	1386	1.17
4	779	1.56
5	499	1.95

LIGHT SHADOW

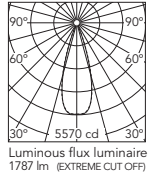
Optic Flood 2700K
 E I 03.9146.40A
 03.9146.14A
 E I Dali Version
 03.9146.40ADA
 03.9146.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5426 0.60
 2 1357 1.19
 3 603 1.79
 4 339 2.39
 5 217 2.99

Luminous flux luminaire
 1735 lm (EXTREME CUT OFF)

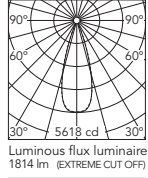
2700K
 E I 03.9145.40A
 03.9145.14A
 E I Dali Version
 03.9145.40ADA
 03.9145.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5570 0.59
 2 1392 1.18
 3 619 1.78
 4 348 2.37
 5 223 2.96

Luminous flux luminaire
 1787 lm (EXTREME CUT OFF)

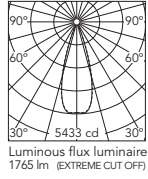
2700K
 E I 03.9147.40A
 03.9147.14A
 E I Dali Version
 03.9147.40ADA
 03.9147.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5618 0.60
 2 1405 1.19
 3 624 1.79
 4 351 2.38
 5 225 2.98

Luminous flux luminaire
 1814 lm (EXTREME CUT OFF)

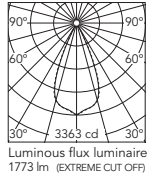
2700K
 E I 03.9148.40A
 03.9148.14A
 E I Dali Version
 03.9148.40ADA
 03.9148.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5433 0.60
 2 1358 1.20
 3 604 1.79
 4 340 2.39
 5 217 2.99

Luminous flux luminaire
 1765 lm (EXTREME CUT OFF)

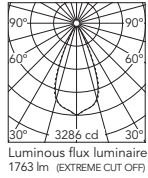
Optic Wide Flood 2700K
 E I 03.8317.40A
 03.8317.14A
 E I Dali Version
 03.8317.40ADA
 03.8317.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3363 0.84
 2 841 1.69
 3 374 2.53
 4 210 3.38
 5 135 4.22

Luminous flux luminaire
 1773 lm (EXTREME CUT OFF)

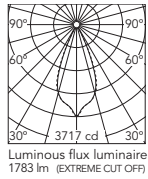
2700K
 E I 03.8316.40A
 03.8316.14A
 E I Dali Version
 03.8316.40ADA
 03.8316.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 3286 0.83
 2 822 1.67
 3 365 2.50
 4 205 3.34
 5 131 4.17

Luminous flux luminaire
 1763 lm (EXTREME CUT OFF)

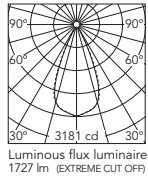
2700K
 E I 03.8318.40A
 03.8318.14A
 E I Dali Version
 03.8318.40ADA
 03.8318.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 3717 0.80
 2 929 1.60
 3 413 2.40
 4 232 3.19
 5 149 3.99

Luminous flux luminaire
 1783 lm (EXTREME CUT OFF)

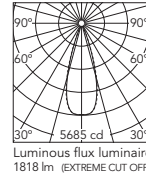
2700K
 E I 03.8319.40A
 03.8319.14A
 E I Dali Version
 03.8319.40ADA
 03.8319.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3181 0.84
 2 795 1.69
 3 353 2.53
 4 199 3.38
 5 127 4.22

Luminous flux luminaire
 1727 lm (EXTREME CUT OFF)

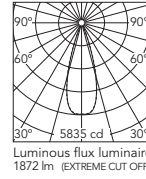
Optic Flood 3000K
 E I 03.9156.40A
 03.9156.14A
 E I Dali Version
 03.9156.40ADA
 03.9156.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5685 0.60
 2 1421 1.19
 3 632 1.79
 4 355 2.39
 5 227 2.99

Luminous flux luminaire
 1818 lm (EXTREME CUT OFF)

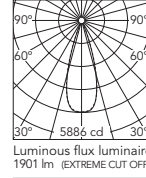
3000K
 E I 03.9155.40A
 03.9155.14A
 E I Dali Version
 03.9155.40ADA
 03.9155.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5835 0.59
 2 1459 1.18
 3 648 1.78
 4 365 2.37
 5 233 2.96

Luminous flux luminaire
 1872 lm (EXTREME CUT OFF)

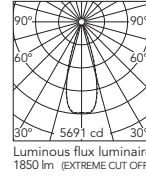
3000K
 E I 03.9157.40A
 03.9157.14A
 E I Dali Version
 03.9157.40ADA
 03.9157.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5886 0.60
 2 1472 1.19
 3 654 1.79
 4 368 2.38
 5 235 2.98

Luminous flux luminaire
 1901 lm (EXTREME CUT OFF)

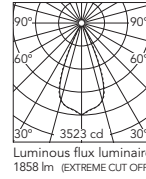
3000K
 E I 03.9158.40A
 03.9158.14A
 E I Dali Version
 03.9158.40ADA
 03.9158.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5691 0.60
 2 1423 1.20
 3 632 1.79
 4 356 2.39
 5 228 2.99

Luminous flux luminaire
 1850 lm (EXTREME CUT OFF)

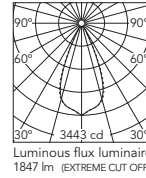
Optic Wide Flood 3000K
 E I 03.8321.40A
 03.8321.14A
 E I Dali Version
 03.8321.40ADA
 03.8321.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3523 0.84
 2 881 1.69
 3 391 2.53
 4 220 3.38
 5 141 4.22

Luminous flux luminaire
 1858 lm (EXTREME CUT OFF)

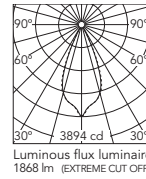
3000K
 E I 03.8320.40A
 03.8320.14A
 E I Dali Version
 03.8320.40ADA
 03.8320.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 3443 0.83
 2 861 1.67
 3 383 2.50
 4 215 3.34
 5 138 4.17

Luminous flux luminaire
 1847 lm (EXTREME CUT OFF)

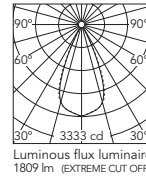
3000K
 E I 03.8322.40A
 03.8322.14A
 E I Dali Version
 03.8322.40ADA
 03.8322.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 3894 0.80
 2 973 1.60
 3 433 2.40
 4 243 3.19
 5 156 3.99

Luminous flux luminaire
 1868 lm (EXTREME CUT OFF)

3000K
 E I 03.8323.40A
 03.8323.14A
 E I Dali Version
 03.8323.40ADA
 03.8323.14ADA



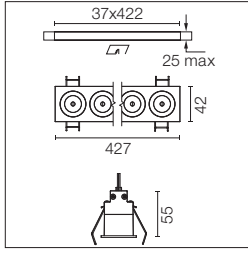
Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3333 0.84
 2 833 1.69
 3 370 2.53
 4 208 3.38
 5 133 4.22

Luminous flux luminaire
 1809 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed Trim 12 Spots

Light Source: Power LED 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90



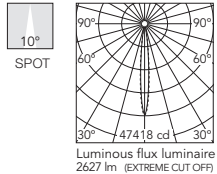
Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

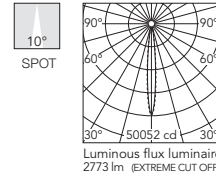
E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K
E I 03.8845.40A
E I 03.8845.14A
E I Dali & Push Version
E I 03.8845.40ADA
E I 03.8845.14ADA



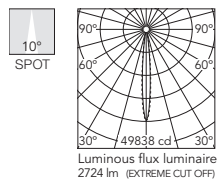
Beam Angle: 10°
h(m) E(lx) D(m)
1 47418 0.18
2 11854 0.36
3 5269 0.54
4 2964 0.72
5 1897 0.90

Optic Spot 3000K
E I 03.8849.40A
E I 03.8849.14A
E I Dali & Push Version
E I 03.8849.40ADA
E I 03.8849.14ADA



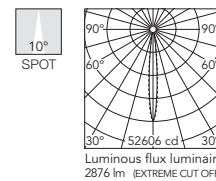
Beam Angle: 10°
h(m) E(lx) D(m)
1 50052 0.18
2 12513 0.36
3 5561 0.54
4 3128 0.72
5 2002 0.90

2700K
E I 03.8844.40A
E I 03.8844.14A
E I Dali & Push Version
E I 03.8844.40ADA
E I 03.8844.14ADA



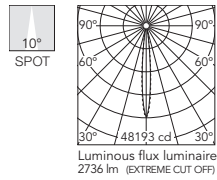
Beam Angle: 10°
h(m) E(lx) D(m)
1 49838 0.17
2 12459 0.35
3 5538 0.52
4 3115 0.70
5 1994 0.87

3000K
E I 03.8848.40A
E I 03.8848.14A
E I Dali & Push Version
E I 03.8848.40ADA
E I 03.8848.14ADA



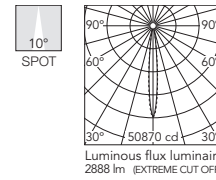
Beam Angle: 10°
h(m) E(lx) D(m)
1 52606 0.17
2 13152 0.35
3 5845 0.52
4 3288 0.70
5 2104 0.87

2700K
E I 03.8846.40A
E I 03.8846.14A
E I Dali & Push Version
E I 03.8846.40ADA
E I 03.8846.14ADA



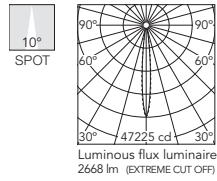
Beam Angle: 10°
h(m) E(lx) D(m)
1 48193 0.18
2 12048 0.36
3 5355 0.55
4 3012 0.73
5 1928 0.91

3000K
E I 03.8850.40A
E I 03.8850.14A
E I Dali & Push Version
E I 03.8850.40ADA
E I 03.8850.14ADA



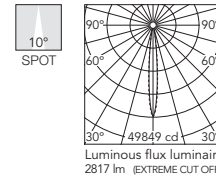
Beam Angle: 10°
h(m) E(lx) D(m)
1 50870 0.18
2 12718 0.36
3 5652 0.55
4 3179 0.73
5 2035 0.91

2700K
E I 03.8847.40A
E I 03.8847.14A
E I Dali & Push Version
E I 03.8847.40ADA
E I 03.8847.14ADA



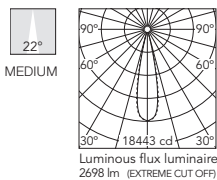
Beam Angle: 10°
h(m) E(lx) D(m)
1 47225 0.18
2 11806 0.36
3 5247 0.55
4 2952 0.73
5 1889 0.91

3000K
E I 03.8851.40A
E I 03.8851.14A
E I Dali & Push Version
E I 03.8851.40ADA
E I 03.8851.14ADA



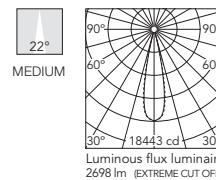
Beam Angle: 10°
h(m) E(lx) D(m)
1 49849 0.18
2 12462 0.36
3 5539 0.55
4 3116 0.73
5 1994 0.91

Optic Medium 2700K
E I 03.9161.40A
E I 03.9161.14A
E I Dali & Push Version
E I 03.9161.40ADA
E I 03.9161.14ADA



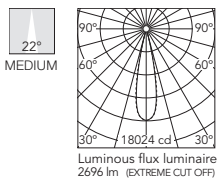
Beam Angle: 22°
h(m) E(lx) D(m)
1 18443 0.39
2 4611 0.78
3 2049 1.17
4 1153 1.56
5 738 1.95

Optic Medium 3000K
E I 03.9171.40A
E I 03.9171.14A
E I Dali & Push Version
E I 03.9171.40ADA
E I 03.9171.14ADA



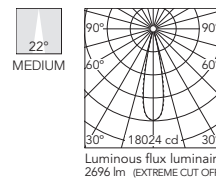
Beam Angle: 22°
h(m) E(lx) D(m)
1 18443 0.39
2 4611 0.78
3 2049 1.17
4 1153 1.56
5 738 1.95

2700K
E I 03.9160.40A
E I 03.9160.14A
E I Dali & Push Version
E I 03.9160.40ADA
E I 03.9160.14ADA



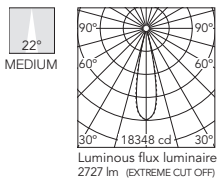
Beam Angle: 22°
h(m) E(lx) D(m)
1 18024 0.39
2 4506 0.78
3 2003 1.17
4 1126 1.56
5 721 1.95

3000K
E I 03.9170.40A
E I 03.9170.14A
E I Dali & Push Version
E I 03.9170.40ADA
E I 03.9170.14ADA



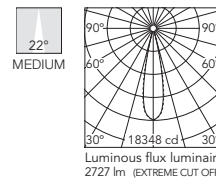
Beam Angle: 22°
h(m) E(lx) D(m)
1 18024 0.39
2 4506 0.78
3 2003 1.17
4 1126 1.56
5 721 1.95

2700K
E I 03.9162.40A
E I 03.9162.14A
E I Dali & Push Version
E I 03.9162.40ADA
E I 03.9162.14ADA



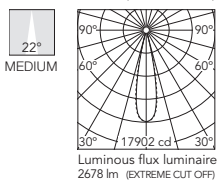
Beam Angle: 22°
h(m) E(lx) D(m)
1 18348 0.39
2 4587 0.77
3 2039 1.16
4 1147 1.55
5 734 1.94

3000K
E I 03.9172.40A
E I 03.9172.14A
E I Dali & Push Version
E I 03.9172.40ADA
E I 03.9172.14ADA



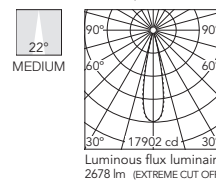
Beam Angle: 22°
h(m) E(lx) D(m)
1 18348 0.39
2 4587 0.77
3 2039 1.16
4 1147 1.55
5 734 1.94

2700K
E I 03.9163.40A
E I 03.9163.14A
E I Dali & Push Version
E I 03.9163.40ADA
E I 03.9163.14ADA



Beam Angle: 22°
h(m) E(lx) D(m)
1 17902 0.39
2 4476 0.78
3 1989 1.17
4 1119 1.56
5 716 1.95

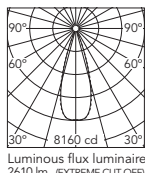
3000K
E I 03.9173.40A
E I 03.9173.14A
E I Dali & Push Version
E I 03.9173.40ADA
E I 03.9173.14ADA



Beam Angle: 22°
h(m) E(lx) D(m)
1 17902 0.39
2 4476 0.78
3 1989 1.17
4 1119 1.56
5 716 1.95

LIGHT SHADOW

Optic Flood 2700K
03.9166.40A
03.9166.14A
 Dali & Push Version
03.9166.40ADA
03.9166.14ADA

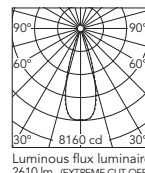


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8160	0.60
2	2040	1.19
3	907	1.79
4	510	2.39
5	326	2.99

Luminous flux luminaire
2610 lm (EXTREME CUT OFF)

Optic Flood 3000K
03.9176.40A
03.9176.14A
 Dali & Push Version
03.9176.40ADA
03.9176.14ADA

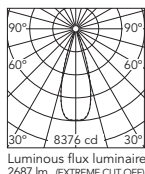


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8160	0.60
2	2040	1.19
3	907	1.79
4	510	2.39
5	326	2.99

Luminous flux luminaire
2610 lm (EXTREME CUT OFF)

2700K
03.9165.40A
03.9165.14A
 Dali & Push Version
03.9165.40ADA
03.9165.14ADA

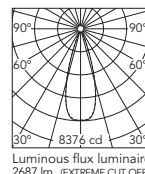


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

3000K
03.9175.40A
03.9175.14A
 Dali & Push Version
03.9175.40ADA
03.9175.14ADA

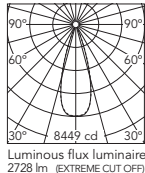


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

2700K
03.9167.40A
03.9167.14A
 Dali & Push Version
03.9167.40ADA
03.9167.14ADA

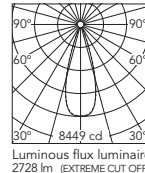


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8449	0.60
2	2112	1.19
3	939	1.79
4	528	2.38
5	338	2.98

Luminous flux luminaire
2728 lm (EXTREME CUT OFF)

3000K
03.9177.40A
03.9177.14A
 Dali & Push Version
03.9177.40ADA
03.9177.14ADA

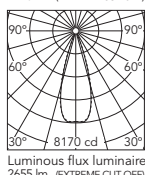


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8449	0.60
2	2112	1.19
3	939	1.79
4	528	2.38
5	338	2.98

Luminous flux luminaire
2728 lm (EXTREME CUT OFF)

2700K
03.9168.40A
03.9168.14A
 Dali & Push Version
03.9168.40ADA
03.9168.14ADA

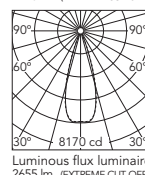


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8170	0.60
2	2042	1.20
3	908	1.79
4	511	2.39
5	327	2.99

Luminous flux luminaire
2655 lm (EXTREME CUT OFF)

3000K
03.9178.40A
03.9178.14A
 Dali & Push Version
03.9178.40ADA
03.9178.14ADA

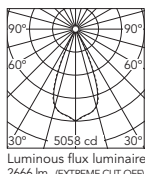


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8170	0.60
2	2042	1.20
3	908	1.79
4	511	2.39
5	327	2.99

Luminous flux luminaire
2655 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K
03.8325.40A
03.8325.14A
 Dali & Push Version
03.8325.40ADA
03.8325.14ADA

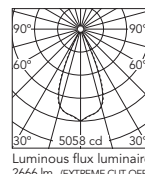


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	5058	0.84
2	1264	1.69
3	562	2.53
4	316	3.38
5	202	4.22

Luminous flux luminaire
2666 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K
03.8329.40A
03.8329.14A
 Dali & Push Version
03.8329.40ADA
03.8329.14ADA

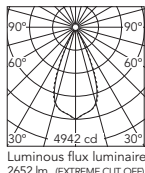


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	5058	0.84
2	1264	1.69
3	562	2.53
4	316	3.38
5	202	4.22

Luminous flux luminaire
2666 lm (EXTREME CUT OFF)

2700K
03.8324.40A
03.8324.14A
 Dali & Push Version
03.8324.40ADA
03.8324.14ADA

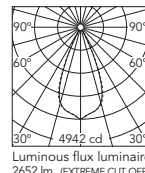


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

3000K
03.8328.40A
03.8328.14A
 Dali & Push Version
03.8328.40ADA
03.8328.14ADA

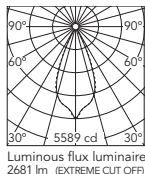


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

2700K
03.8326.40A
03.8326.14A
 Dali & Push Version
03.8326.40ADA
03.8326.14ADA

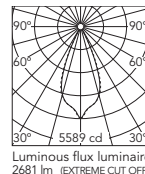


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5589	0.80
2	1397	1.60
3	621	2.40
4	349	3.19
5	224	3.99

Luminous flux luminaire
2681 lm (EXTREME CUT OFF)

3000K
03.8330.40A
03.8330.14A
 Dali & Push Version
03.8330.40ADA
03.8330.14ADA

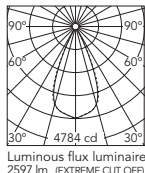


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5589	0.80
2	1397	1.60
3	621	2.40
4	349	3.19
5	224	3.99

Luminous flux luminaire
2681 lm (EXTREME CUT OFF)

2700K
03.8327.40A
03.8327.14A
 Dali & Push Version
03.8327.40ADA
03.8327.14ADA

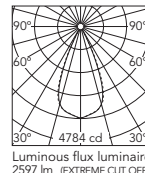


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	4784	0.84
2	1196	1.69
3	532	2.53
4	299	3.38
5	191	4.22

Luminous flux luminaire
2597 lm (EXTREME CUT OFF)

3000K
03.8331.40A
03.8331.14A
 Dali & Push Version
03.8331.40ADA
03.8331.14ADA



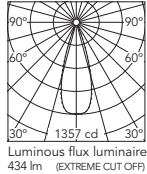
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	4784	0.84
2	1196	1.69
3	532	2.53
4	299	3.38
5	191	4.22

Luminous flux luminaire
2597 lm (EXTREME CUT OFF)

LIGHT SHADOW

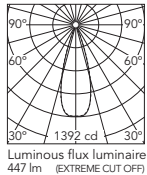
Optic Flood 2700K
 E I 03.9206.40A
 03.9206.14A
 E I Dali Version
 03.9206.40ADA
 03.9206.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1357 0.60
 2 339 1.19
 3 151 1.79
 4 85 2.39
 5 54 2.99

Luminous flux luminaire
 434 lm (EXTREME CUT OFF)

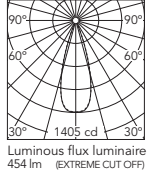
2700K
 03.9205.40A
 03.9205.14A
 E I Dali Version
 03.9205.40ADA
 03.9205.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1392 0.59
 2 348 1.18
 3 155 1.78
 4 87 2.37
 5 56 2.96

Luminous flux luminaire
 447 lm (EXTREME CUT OFF)

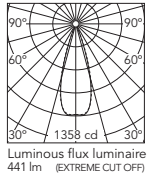
2700K
 03.9207.40A
 03.9207.14A
 E I Dali Version
 03.9207.40ADA
 03.9207.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1405 0.60
 2 351 1.19
 3 156 1.79
 4 88 2.38
 5 56 2.98

Luminous flux luminaire
 454 lm (EXTREME CUT OFF)

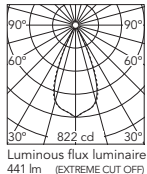
2700K
 03.9208.40A
 03.9208.14A
 E I Dali Version
 03.9208.40ADA
 03.9208.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1358 0.60
 2 340 1.20
 3 151 1.79
 4 85 2.39
 5 54 2.99

Luminous flux luminaire
 441 lm (EXTREME CUT OFF)

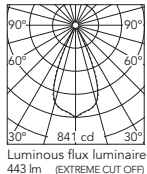
Optic Wide Flood 2700K
 E I 03.8351.40A
 03.8351.14A
 E I Dali Version
 03.8351.40ADA
 03.8351.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 822 0.83
 2 205 1.67
 3 91 2.50
 4 51 3.34
 5 33 4.17

Luminous flux luminaire
 441 lm (EXTREME CUT OFF)

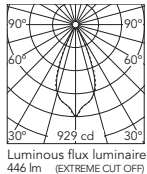
2700K
 03.8350.40A
 03.8350.14A
 E I Dali Version
 03.8350.40ADA
 03.8350.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 841 0.84
 2 210 1.69
 3 93 2.53
 4 53 3.38
 5 34 4.22

Luminous flux luminaire
 443 lm (EXTREME CUT OFF)

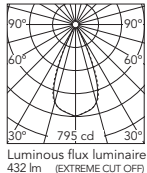
2700K
 03.8352.40A
 03.8352.14A
 E I Dali Version
 03.8352.40ADA
 03.8352.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 929 0.80
 2 232 1.60
 3 103 2.40
 4 58 3.19
 5 37 3.99

Luminous flux luminaire
 446 lm (EXTREME CUT OFF)

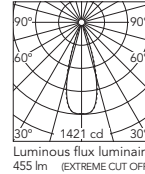
2700K
 03.8353.40A
 03.8353.14A
 E I Dali Version
 03.8353.40ADA
 03.8353.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 795 0.84
 2 199 1.69
 3 88 2.53
 4 50 3.38
 5 32 4.22

Luminous flux luminaire
 432 lm (EXTREME CUT OFF)

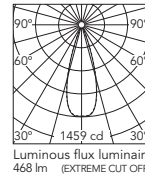
Optic Flood 3000K
 E I 03.9216.40A
 03.9216.14A
 E I Dali Version
 03.9216.40ADA
 03.9216.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1421 0.60
 2 355 1.19
 3 158 1.79
 4 89 2.39
 5 57 2.99

Luminous flux luminaire
 455 lm (EXTREME CUT OFF)

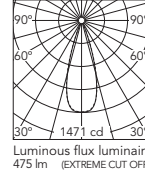
3000K
 03.9215.40A
 03.9215.14A
 E I Dali Version
 03.9215.40ADA
 03.9215.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1459 0.59
 2 365 1.18
 3 162 1.78
 4 91 2.37
 5 58 2.96

Luminous flux luminaire
 468 lm (EXTREME CUT OFF)

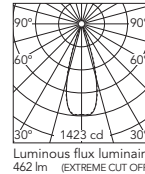
3000K
 03.9217.40A
 03.9217.14A
 E I Dali Version
 03.9217.40ADA
 03.9217.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1471 0.60
 2 368 1.19
 3 163 1.79
 4 92 2.38
 5 59 2.98

Luminous flux luminaire
 475 lm (EXTREME CUT OFF)

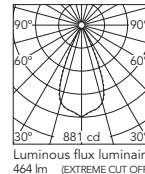
3000K
 03.9218.40A
 03.9218.14A
 E I Dali Version
 03.9218.40ADA
 03.9218.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 1423 0.60
 2 356 1.20
 3 158 1.79
 4 89 2.39
 5 57 2.99

Luminous flux luminaire
 462 lm (EXTREME CUT OFF)

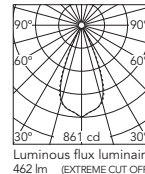
Optic Wide Flood 3000K
 E I 03.8355.40A
 03.8355.14A
 E I Dali Version
 03.8355.40ADA
 03.8355.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 881 0.84
 2 220 1.69
 3 98 2.53
 4 55 3.38
 5 35 4.22

Luminous flux luminaire
 464 lm (EXTREME CUT OFF)

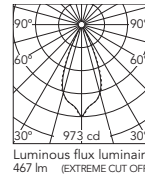
3000K
 03.8354.40A
 03.8354.14A
 E I Dali Version
 03.8354.40ADA
 03.8354.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 861 0.83
 2 215 1.67
 3 96 2.50
 4 54 3.34
 5 34 4.17

Luminous flux luminaire
 462 lm (EXTREME CUT OFF)

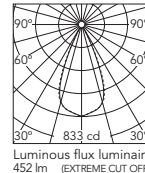
3000K
 03.8356.40A
 03.8356.14A
 E I Dali Version
 03.8356.40ADA
 03.8356.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 973 0.80
 2 243 1.60
 3 108 2.40
 4 61 3.19
 5 39 3.99

Luminous flux luminaire
 467 lm (EXTREME CUT OFF)

3000K
 03.8357.40A
 03.8357.14A
 E I Dali Version
 03.8357.40ADA
 03.8357.14ADA



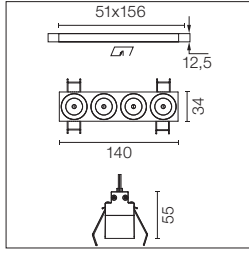
Beam Angle: 46°
 h(m) E(lx) D(m)
 1 833 0.84
 2 208 1.69
 3 93 2.53
 4 52 3.38
 5 33 4.22

Luminous flux luminaire
 452 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed No Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



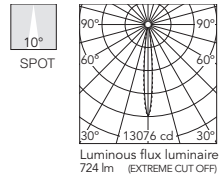
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno

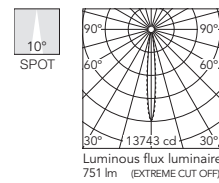
Optic Spot 2700K
E I 03.8861.40A
03.8861.14A
Dali Version
E I 03.8861.40ADA
03.8861.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

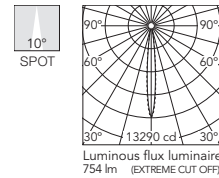
2700K
E I 03.8860.40A
03.8860.14A
Dali Version
E I 03.8860.40ADA
03.8860.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

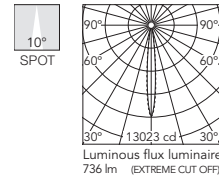
2700K
E I 03.8862.40A
03.8862.14A
Dali Version
E I 03.8862.40ADA
03.8862.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

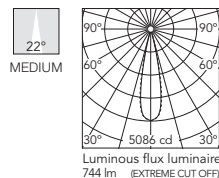
2700K
E I 03.8863.40A
03.8863.14A
Dali Version
E I 03.8863.40ADA
03.8863.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

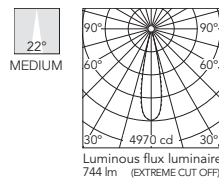
Optic Medium 2700K
E I 03.9221.40A
03.9221.14A
Dali Version
E I 03.9221.40ADA
03.9221.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

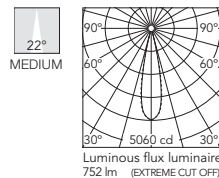
2700K
E I 03.9220.40A
03.9220.14A
Dali Version
E I 03.9220.40ADA
03.9220.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

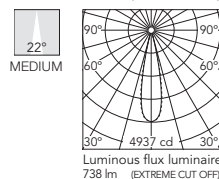
2700K
E I 03.9222.40A
03.9222.14A
Dali Version
E I 03.9222.40ADA
03.9222.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5060	0.39
2	1265	0.77
3	562	1.16
4	316	1.55
5	202	1.94

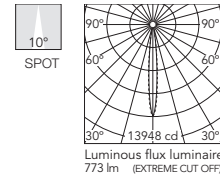
2700K
E I 03.9223.40A
03.9223.14A
Dali Version
E I 03.9223.40ADA
03.9223.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	4937	0.39
2	1234	0.78
3	549	1.17
4	309	1.56
5	197	1.95

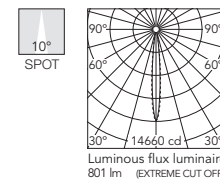
Optic Spot 3000K
E I 03.8865.40A
03.8865.14A
Dali Version
E I 03.8865.40ADA
03.8865.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

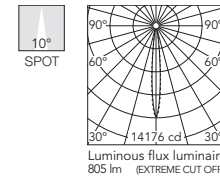
3000K
E I 03.8864.40A
03.8864.14A
Dali Version
E I 03.8864.40ADA
03.8864.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

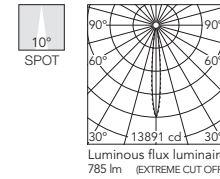
3000K
E I 03.8866.40A
03.8866.14A
Dali Version
E I 03.8866.40ADA
03.8866.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

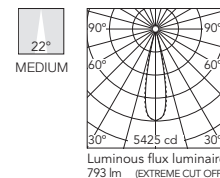
3000K
E I 03.8867.40A
03.8867.14A
Dali Version
E I 03.8867.40ADA
03.8867.14ADA



Beam Angle: 10°

h(m)	E(lx)	D(m)
1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

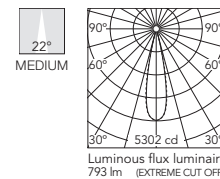
Optic Medium 3000K
E I 03.9231.40A
03.9231.14A
Dali Version
E I 03.9231.40ADA
03.9231.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

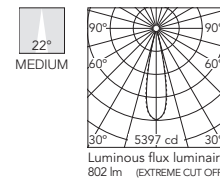
3000K
E I 03.9230.40A
03.9230.14A
Dali Version
E I 03.9230.40ADA
03.9230.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

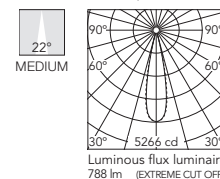
3000K
E I 03.9232.40A
03.9232.14A
Dali Version
E I 03.9232.40ADA
03.9232.14ADA



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5397	0.39
2	1349	0.77
3	600	1.16
4	337	1.55
5	216	1.94

3000K
E I 03.9233.40A
03.9233.14A
Dali Version
E I 03.9233.40ADA
03.9233.14ADA

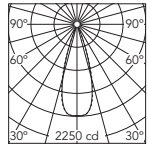


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5266	0.39
2	1316	0.78
3	585	1.17
4	329	1.56
5	211	1.95

LIGHT SHADOW

Optic Flood
2700K
E I 03.9226.40A
03.9226.14A
Dali Version
E I 03.9226.40ADA
03.9226.14ADA

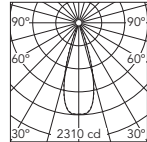


Beam Angle: 33°
h(m) E(lx) D(m)

1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire
720 lm (EXTREME CUT OFF)

2700K
E I 03.9225.40A
03.9225.14A
Dali Version
E I 03.9225.40ADA
03.9225.14ADA

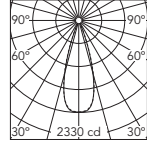


Beam Angle: 33°
h(m) E(lx) D(m)

1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Luminous flux luminaire
741 lm (EXTREME CUT OFF)

2700K
E I 03.9227.40A
03.9227.14A
Dali Version
E I 03.9227.40ADA
03.9227.14ADA

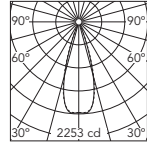


Beam Angle: 33°
h(m) E(lx) D(m)

1	2330	0.60
2	582	1.19
3	259	1.79
4	146	2.38
5	93	2.98

Luminous flux luminaire
752 lm (EXTREME CUT OFF)

2700K
E I 03.9228.40A
03.9228.14A
Dali Version
E I 03.9228.40ADA
03.9228.14ADA

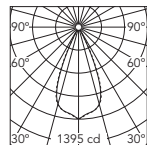


Beam Angle: 33°
h(m) E(lx) D(m)

1	2253	0.60
2	563	1.20
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire
732 lm (EXTREME CUT OFF)

Optic Wide Flood
2700K
E I 03.8359.40A
03.8359.14A
Dali Version
E I 03.8359.40ADA
03.8359.14ADA

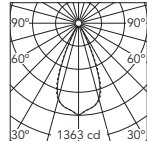


Beam Angle: 46°
h(m) E(lx) D(m)

1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Luminous flux luminaire
735 lm (EXTREME CUT OFF)

2700K
E I 03.8358.40A
03.8358.14A
Dali Version
E I 03.8358.40ADA
03.8358.14ADA

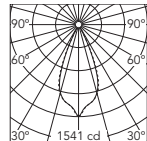


Beam Angle: 45°
h(m) E(lx) D(m)

1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Luminous flux luminaire
731 lm (EXTREME CUT OFF)

2700K
E I 03.8360.40A
03.8360.14A
Dali Version
E I 03.8360.40ADA
03.8360.14ADA

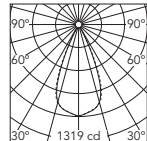


Beam Angle: 44°
h(m) E(lx) D(m)

1	1541	0.80
2	385	1.60
3	171	2.40
4	96	3.19
5	62	3.99

Luminous flux luminaire
739 lm (EXTREME CUT OFF)

2700K
E I 03.8361.40A
03.8361.14A
Dali Version
E I 03.8361.40ADA
03.8361.14ADA

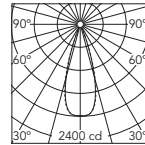


Beam Angle: 46°
h(m) E(lx) D(m)

1	1319	0.84
2	330	1.69
3	147	2.53
4	82	3.38
5	53	4.22

Luminous flux luminaire
716 lm (EXTREME CUT OFF)

Optic Flood
3000K
E I 03.9236.40A
03.9236.14A
Dali Version
E I 03.9236.40ADA
03.9236.14ADA

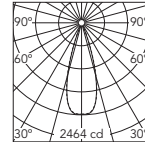


Beam Angle: 33°
h(m) E(lx) D(m)

1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire
768 lm (EXTREME CUT OFF)

3000K
E I 03.9235.40A
03.9235.14A
Dali Version
E I 03.9235.40ADA
03.9235.14ADA

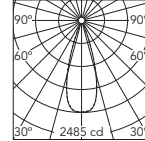


Beam Angle: 33°
h(m) E(lx) D(m)

1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Luminous flux luminaire
790 lm (EXTREME CUT OFF)

3000K
E I 03.9237.40A
03.9237.14A
Dali Version
E I 03.9237.40ADA
03.9237.14ADA

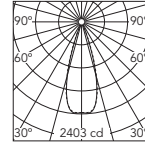


Beam Angle: 33°
h(m) E(lx) D(m)

1	2485	0.60
2	621	1.19
3	276	1.79
4	155	2.38
5	99	2.98

Luminous flux luminaire
803 lm (EXTREME CUT OFF)

3000K
E I 03.9238.40A
03.9238.14A
Dali Version
E I 03.9238.40ADA
03.9238.14ADA

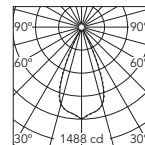


Beam Angle: 33°
h(m) E(lx) D(m)

1	2403	0.60
2	601	1.20
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire
781 lm (EXTREME CUT OFF)

Optic Wide Flood
3000K
E I 03.8363.40A
03.8363.14A
Dali Version
E I 03.8363.40ADA
03.8363.14ADA

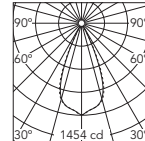


Beam Angle: 46°
h(m) E(lx) D(m)

1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

Luminous flux luminaire
784 lm (EXTREME CUT OFF)

3000K
E I 03.8362.40A
03.8362.14A
Dali Version
E I 03.8362.40ADA
03.8362.14ADA

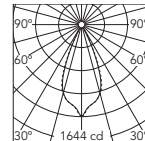


Beam Angle: 45°
h(m) E(lx) D(m)

1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Luminous flux luminaire
780 lm (EXTREME CUT OFF)

3000K
E I 03.8364.40A
03.8364.14A
Dali Version
E I 03.8364.40ADA
03.8364.14ADA

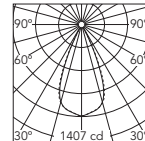


Beam Angle: 44°
h(m) E(lx) D(m)

1	1644	0.80
2	411	1.60
3	183	2.40
4	103	3.19
5	66	3.99

Luminous flux luminaire
789 lm (EXTREME CUT OFF)

3000K
E I 03.8365.40A
03.8365.14A
Dali Version
E I 03.8365.40ADA
03.8365.14ADA



Beam Angle: 46°
h(m) E(lx) D(m)

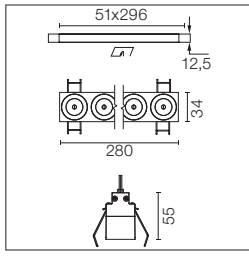
1	1407	0.84
2	352	1.69
3	156	2.53
4	82	3.38
5	56	4.22

Luminous flux luminaire
764 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed No Trim 8 Spots

Light Source: Power LED 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90



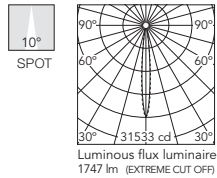
Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= External Finish
I= Internal Finish

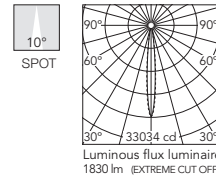
E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K
E I 03.8869.40A
03.8869.14A
Dali Version
E I 03.8869.40ADA
03.8869.14ADA



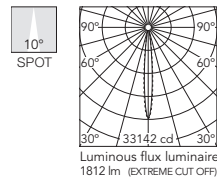
h(m)	E(lx)	D(m)
1	31533	0.18
2	7883	0.36
3	3504	0.54
4	1971	0.72
5	1261	0.90

Optic Spot 3000K
E I 03.8873.40A
03.8873.14A
Dali Version
E I 03.8873.40ADA
03.8873.14ADA



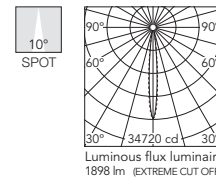
h(m)	E(lx)	D(m)
1	33034	0.18
2	8259	0.36
3	3670	0.54
4	2065	0.72
5	1321	0.90

2700K
E I 03.8868.40A
03.8868.14A
Dali Version
E I 03.8868.40ADA
03.8868.14ADA



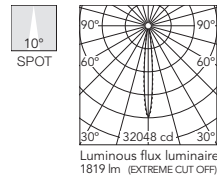
h(m)	E(lx)	D(m)
1	33142	0.17
2	8285	0.35
3	3682	0.52
4	2071	0.70
5	1326	0.87

3000K
E I 03.8872.40A
03.8872.14A
Dali Version
E I 03.8872.40ADA
03.8872.14ADA



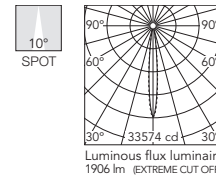
h(m)	E(lx)	D(m)
1	34720	0.17
2	8680	0.35
3	3858	0.52
4	2170	0.70
5	1389	0.87

2700K
E I 03.8870.40A
03.8870.14A
Dali Version
E I 03.8870.40ADA
03.8870.14ADA



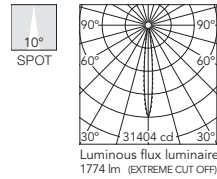
h(m)	E(lx)	D(m)
1	32048	0.18
2	8012	0.36
3	3561	0.55
4	2003	0.73
5	1282	0.91

3000K
E I 03.8874.40A
03.8874.14A
Dali Version
E I 03.8874.40ADA
03.8874.14ADA



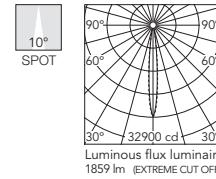
h(m)	E(lx)	D(m)
1	33574	0.18
2	8394	0.36
3	3730	0.55
4	2098	0.73
5	1343	0.91

2700K
E I 03.8871.40A
03.8871.14A
Dali Version
E I 03.8871.40ADA
03.8871.14ADA



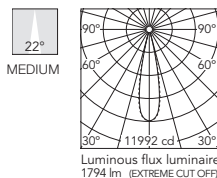
h(m)	E(lx)	D(m)
1	31404	0.18
2	7851	0.36
3	3489	0.55
4	1963	0.73
5	1256	0.91

3000K
E I 03.8875.40A
03.8875.14A
Dali Version
E I 03.8875.40ADA
03.8875.14ADA



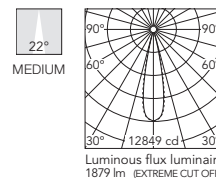
h(m)	E(lx)	D(m)
1	32900	0.18
2	8225	0.36
3	3656	0.55
4	2056	0.73
5	1316	0.91

Optic Medium 2700K
E I 03.9241.40A
03.9241.14A
Dali Version
E I 03.9241.40ADA
03.9241.14ADA



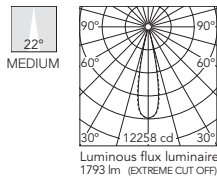
h(m)	E(lx)	D(m)
1	11992	0.39
2	2998	0.78
3	1332	1.17
4	750	1.56
5	480	1.95

Optic Medium 3000K
E I 03.9251.40A
03.9251.14A
Dali Version
E I 03.9251.40ADA
03.9251.14ADA



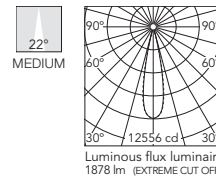
h(m)	E(lx)	D(m)
1	12849	0.39
2	3212	0.78
3	1428	1.17
4	803	1.56
5	514	1.95

2700K
E I 03.9240.40A
03.9240.14A
Dali Version
E I 03.9240.40ADA
03.9240.14ADA



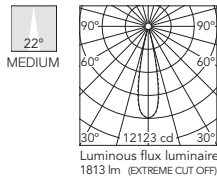
h(m)	E(lx)	D(m)
1	12258	0.39
2	3065	0.78
3	1362	1.17
4	766	1.56
5	490	1.95

3000K
E I 03.9250.40A
03.9250.14A
Dali Version
E I 03.9250.40ADA
03.9250.14ADA



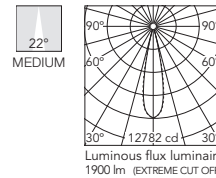
h(m)	E(lx)	D(m)
1	12556	0.39
2	3139	0.78
3	1395	1.17
4	785	1.56
5	502	1.95

2700K
E I 03.9242.40A
03.9242.14A
Dali Version
E I 03.9242.40ADA
03.9242.14ADA



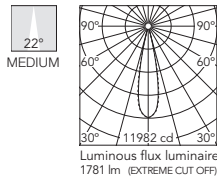
h(m)	E(lx)	D(m)
1	12123	0.39
2	3031	0.78
3	1347	1.17
4	758	1.56
5	485	1.95

3000K
E I 03.9252.40A
03.9252.14A
Dali Version
E I 03.9252.40ADA
03.9252.14ADA



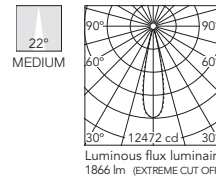
h(m)	E(lx)	D(m)
1	12782	0.39
2	3196	0.77
3	1420	1.16
4	799	1.55
5	511	1.94

2700K
E I 03.9243.40A
03.9243.14A
Dali Version
E I 03.9243.40ADA
03.9243.14ADA



h(m)	E(lx)	D(m)
1	11982	0.39
2	2995	0.77
3	1331	1.16
4	749	1.55
5	479	1.94

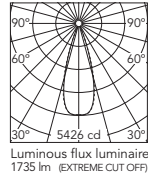
3000K
E I 03.9253.40A
03.9253.14A
Dali Version
E I 03.9253.40ADA
03.9253.14ADA



h(m)	E(lx)	D(m)
1	12472	0.39
2	3118	0.78
3	1386	1.17
4	779	1.56
5	499	1.95

LIGHT SHADOW

Optic Flood 2700K
 E I 03.9246.40A
 03.9246.14A
 E I Dali Version
 03.9246.40ADA
 03.9246.14ADA

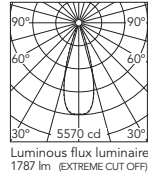


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5426	0.60
2	1357	1.19
3	603	1.79
4	339	2.39
5	217	2.99

Luminous flux luminaire
1735 lm (EXTREME CUT OFF)

2700K
 E I 03.9245.40A
 03.9245.14A
 E I Dali Version
 03.9245.40ADA
 03.9245.14ADA

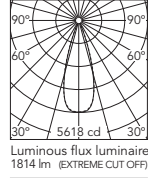


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5570	0.59
2	1392	1.18
3	619	1.78
4	348	2.37
5	223	2.96

Luminous flux luminaire
1787 lm (EXTREME CUT OFF)

2700K
 E I 03.9247.40A
 03.9247.14A
 E I Dali Version
 03.9247.40ADA
 03.9247.14ADA

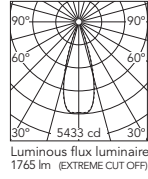


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5618	0.60
2	1405	1.19
3	624	1.79
4	351	2.38
5	225	2.98

Luminous flux luminaire
1814 lm (EXTREME CUT OFF)

2700K
 E I 03.9248.40A
 03.9248.14A
 E I Dali Version
 03.9248.40ADA
 03.9248.14ADA

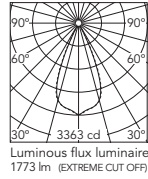


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5433	0.60
2	1358	1.20
3	604	1.79
4	340	2.39
5	217	2.99

Luminous flux luminaire
1765 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K
 E I 03.8367.40A
 03.8367.14A
 E I Dali Version
 03.8367.40ADA
 03.8367.14ADA

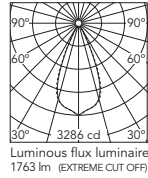


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	3363	0.84
2	841	1.69
3	374	2.53
4	210	3.38
5	135	4.22

Luminous flux luminaire
1773 lm (EXTREME CUT OFF)

2700K
 E I 03.8366.40A
 03.8366.14A
 E I Dali Version
 03.8366.40ADA
 03.8366.14ADA

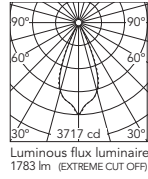


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3286	0.83
2	822	1.67
3	365	2.50
4	205	3.34
5	131	4.17

Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

2700K
 E I 03.8368.40A
 03.8368.14A
 E I Dali Version
 03.8368.40ADA
 03.8368.14ADA

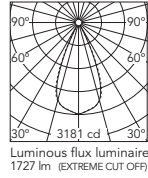


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	3717	0.80
2	929	1.60
3	413	2.40
4	232	3.19
5	149	3.99

Luminous flux luminaire
1783 lm (EXTREME CUT OFF)

2700K
 E I 03.8369.40A
 03.8369.14A
 E I Dali Version
 03.8369.40ADA
 03.8369.14ADA

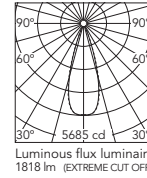


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	3181	0.84
2	795	1.69
3	353	2.53
4	199	3.38
5	127	4.22

Luminous flux luminaire
1727 lm (EXTREME CUT OFF)

Optic Flood 3000K
 E I 03.9256.40A
 03.9256.14A
 E I Dali Version
 03.9256.40ADA
 03.9256.14ADA

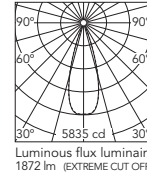


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5685	0.60
2	1421	1.19
3	632	1.79
4	355	2.39
5	227	2.99

Luminous flux luminaire
1818 lm (EXTREME CUT OFF)

3000K
 E I 03.9255.40A
 03.9255.14A
 E I Dali Version
 03.9255.40ADA
 03.9255.14ADA

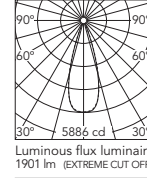


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5886	0.59
2	1459	1.18
3	648	1.78
4	365	2.37
5	233	2.96

Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

3000K
 E I 03.9257.40A
 03.9257.14A
 E I Dali Version
 03.9257.40ADA
 03.9257.14ADA

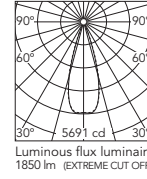


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5886	0.60
2	1472	1.19
3	654	1.79
4	368	2.38
5	235	2.98

Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

3000K
 E I 03.9258.40A
 03.9258.14A
 E I Dali Version
 03.9258.40ADA
 03.9258.14ADA

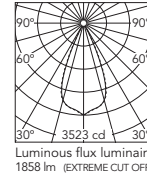


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	5691	0.60
2	1423	1.20
3	632	1.79
4	356	2.39
5	228	2.99

Luminous flux luminaire
1850 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K
 E I 03.8371.40A
 03.8371.14A
 E I Dali Version
 03.8371.40ADA
 03.8371.14ADA

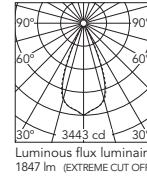


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	3523	0.84
2	881	1.69
3	391	2.53
4	220	3.38
5	141	4.22

Luminous flux luminaire
1858 lm (EXTREME CUT OFF)

3000K
 E I 03.8370.40A
 03.8370.14A
 E I Dali Version
 03.8370.40ADA
 03.8370.14ADA

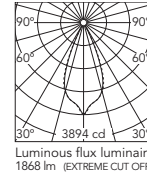


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	3443	0.83
2	861	1.67
3	383	2.50
4	215	3.34
5	138	4.17

Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

3000K
 E I 03.8372.40A
 03.8372.14A
 E I Dali Version
 03.8372.40ADA
 03.8372.14ADA

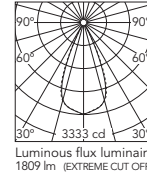


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	3894	0.80
2	973	1.60
3	433	2.40
4	243	3.19
5	156	3.99

Luminous flux luminaire
1868 lm (EXTREME CUT OFF)

3000K
 E I 03.8373.40A
 03.8373.14A
 E I Dali Version
 03.8373.40ADA
 03.8373.14ADA



Beam Angle: 46°

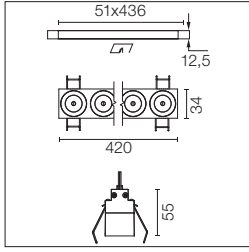
h(m)	E(lx)	D(m)
1	3333	0.84
2	833	1.69
3	370	2.53
4	208	3.38
5	133	4.22

Luminous flux luminaire
1809 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Fixed No Trim 12 Spots

Light Source: Power LED 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90



GWT 850°
 IP 55
 0,66 Kg
 DALI
 TECEE
 10 - 100%
 CE
 LED INCL
 h=75 min

Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

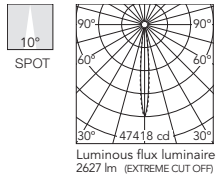
Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

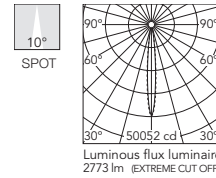
E I 03.8877.40A
03.8877.14A
Dali & Push Version
E I 03.8877.40ADA
03.8877.14ADA



h(m)	E(lx)	D(m)
1	47418	0.18
2	11854	0.36
3	5269	0.54
4	2964	0.72
5	1897	0.90

Optic Spot 3000K

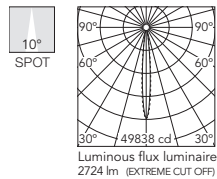
E I 03.8881.40A
03.8881.14A
Dali & Push Version
E I 03.8881.40ADA
03.8881.14ADA



h(m)	E(lx)	D(m)
1	50052	0.18
2	12513	0.36
3	5561	0.54
4	3128	0.72
5	2002	0.90

2700K

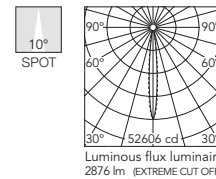
E I 03.8876.40A
03.8876.14A
Dali & Push Version
E I 03.8876.40ADA
03.8876.14ADA



h(m)	E(lx)	D(m)
1	49838	0.17
2	12459	0.35
3	5538	0.52
4	3115	0.70
5	1994	0.87

3000K

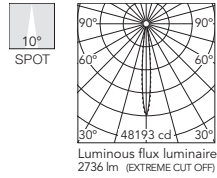
E I 03.8880.40A
03.8880.14A
Dali & Push Version
E I 03.8880.40ADA
03.8880.14ADA



h(m)	E(lx)	D(m)
1	52606	0.17
2	13152	0.35
3	5845	0.52
4	3288	0.70
5	2104	0.87

2700K

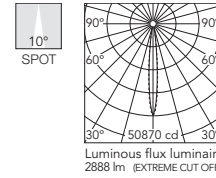
E I 03.8878.40A
03.8878.14A
Dali & Push Version
E I 03.8878.40ADA
03.8878.14ADA



h(m)	E(lx)	D(m)
1	48193	0.18
2	12048	0.36
3	5355	0.55
4	3012	0.73
5	1928	0.91

3000K

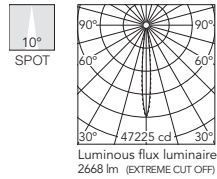
E I 03.8882.40A
03.8882.14A
Dali & Push Version
E I 03.8882.40ADA
03.8882.14ADA



h(m)	E(lx)	D(m)
1	50870	0.18
2	12718	0.36
3	5652	0.55
4	3179	0.73
5	2035	0.91

2700K

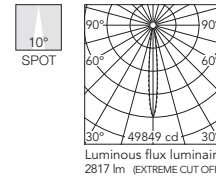
E I 03.8879.40A
03.8879.14A
Dali & Push Version
E I 03.8879.40ADA
03.8879.14ADA



h(m)	E(lx)	D(m)
1	47225	0.18
2	11806	0.36
3	5247	0.55
4	2952	0.73
5	1889	0.91

3000K

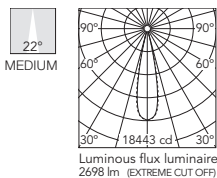
E I 03.8883.40A
03.8883.14A
Dali & Push Version
E I 03.8883.40ADA
03.8883.14ADA



h(m)	E(lx)	D(m)
1	49849	0.18
2	12462	0.36
3	5539	0.55
4	3116	0.73
5	1994	0.91

Optic Medium 2700K

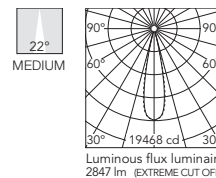
E I 03.9261.40A
03.9261.14A
Dali & Push Version
E I 03.9261.40ADA
03.9261.14ADA



h(m)	E(lx)	D(m)
1	18443	0.39
2	4611	0.78
3	2049	1.17
4	1153	1.56
5	738	1.95

Optic Medium 3000K

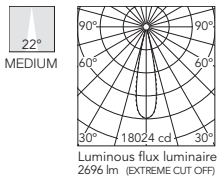
E I 03.9271.40A
03.9271.14A
Dali & Push Version
E I 03.9271.40ADA
03.9271.14ADA



h(m)	E(lx)	D(m)
1	19468	0.39
2	4867	0.78
3	2163	1.17
4	1217	1.56
5	779	1.95

2700K

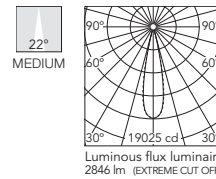
E I 03.9260.40A
03.9260.14A
Dali & Push Version
E I 03.9260.40ADA
03.9260.14ADA



h(m)	E(lx)	D(m)
1	18024	0.39
2	4506	0.78
3	2003	1.17
4	1126	1.56
5	721	1.95

3000K

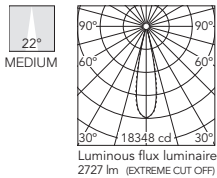
E I 03.9270.40A
03.9270.14A
Dali & Push Version
E I 03.9270.40ADA
03.9270.14ADA



h(m)	E(lx)	D(m)
1	19025	0.39
2	4756	0.78
3	2114	1.17
4	1189	1.56
5	761	1.95

2700K

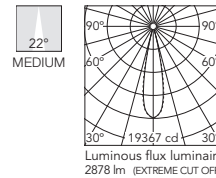
E I 03.9262.40A
03.9262.14A
Dali & Push Version
E I 03.9262.40ADA
03.9262.14ADA



h(m)	E(lx)	D(m)
1	18348	0.39
2	4587	0.77
3	2039	1.16
4	1147	1.55
5	734	1.94

3000K

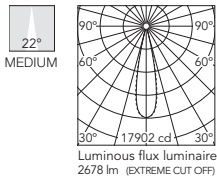
E I 03.9272.40A
03.9272.14A
Dali & Push Version
E I 03.9272.40ADA
03.9272.14ADA



h(m)	E(lx)	D(m)
1	19367	0.39
2	4842	0.77
3	2152	1.16
4	1210	1.55
5	775	1.94

2700K

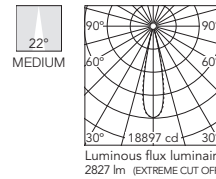
E I 03.9263.40A
03.9263.14A
Dali & Push Version
E I 03.9263.40ADA
03.9263.14ADA



h(m)	E(lx)	D(m)
1	17902	0.39
2	4476	0.78
3	1989	1.17
4	1119	1.56
5	716	1.95

3000K

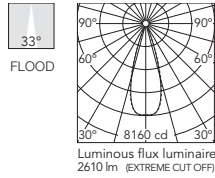
E I 03.9273.40A
03.9273.14A
Dali & Push Version
E I 03.9273.40ADA
03.9273.14ADA



h(m)	E(lx)	D(m)
1	18897	0.39
2	4724	0.78
3	2100	1.17
4	1181	1.56
5	756	1.95

LIGHT SHADOW

Optic Flood 2700K
 E I 03.9266.40A
 03.9266.14A
 Dali & Push Version
 E I 03.9266.40ADA
 03.9266.14ADA

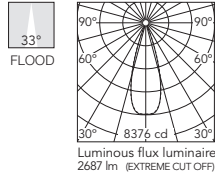


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8160	0.60
2	2040	1.19
3	907	1.79
4	510	2.39
5	326	2.99

Luminous flux luminaire
2610 lm (EXTREME CUT OFF)

2700K
 E I 03.9265.40A
 03.9265.14A
 Dali & Push Version
 E I 03.9265.40ADA
 03.9265.14ADA

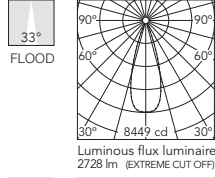


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8376	0.59
2	2094	1.18
3	931	1.78
4	523	2.37
5	335	2.96

Luminous flux luminaire
2687 lm (EXTREME CUT OFF)

2700K
 E I 03.9267.40A
 03.9267.14A
 Dali & Push Version
 E I 03.9267.40ADA
 03.9267.14ADA

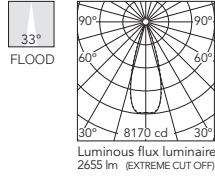


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8449	0.60
2	2112	1.19
3	939	1.79
4	528	2.38
5	338	2.98

Luminous flux luminaire
2728 lm (EXTREME CUT OFF)

2700K
 E I 03.9268.40A
 03.9268.14A
 Dali & Push Version
 E I 03.9268.40ADA
 03.9268.14ADA

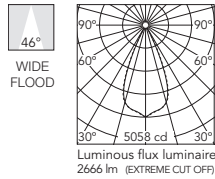


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8170	0.60
2	2042	1.20
3	908	1.79
4	511	2.39
5	327	2.99

Luminous flux luminaire
2655 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K
 E I 03.8375.40A
 03.8375.14A
 Dali & Push Version
 E I 03.8375.40ADA
 03.8375.14ADA

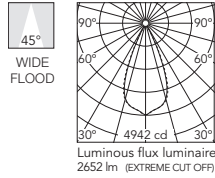


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	5058	0.84
2	1264	1.69
3	562	2.53
4	316	3.38
5	202	4.22

Luminous flux luminaire
2666 lm (EXTREME CUT OFF)

2700K
 E I 03.8374.40A
 03.8374.14A
 Dali & Push Version
 E I 03.8374.40ADA
 03.8374.14ADA

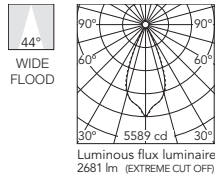


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	4942	0.83
2	1235	1.67
3	549	2.50
4	309	3.34
5	198	4.17

Luminous flux luminaire
2652 lm (EXTREME CUT OFF)

2700K
 E I 03.8376.40A
 03.8376.14A
 Dali & Push Version
 E I 03.8376.40ADA
 03.8376.14ADA

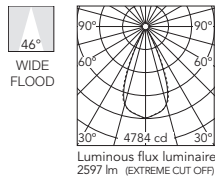


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5589	0.80
2	1397	1.60
3	621	2.40
4	349	3.19
5	224	3.99

Luminous flux luminaire
2681 lm (EXTREME CUT OFF)

2700K
 E I 03.8377.40A
 03.8377.14A
 Dali & Push Version
 E I 03.8377.40ADA
 03.8377.14ADA

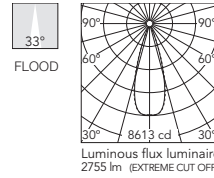


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	4784	0.84
2	1196	1.69
3	532	2.53
4	299	3.38
5	191	4.22

Luminous flux luminaire
2597 lm (EXTREME CUT OFF)

Optic Flood 3000K
 E I 03.9276.40A
 03.9276.14A
 Dali & Push Version
 E I 03.9276.40ADA
 03.9276.14ADA

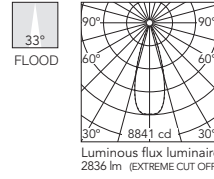


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8613	0.60
2	2153	1.19
3	957	1.79
4	538	2.39
5	345	2.99

Luminous flux luminaire
2755 lm (EXTREME CUT OFF)

3000K
 E I 03.9275.40A
 03.9275.14A
 Dali & Push Version
 E I 03.9275.40ADA
 03.9275.14ADA

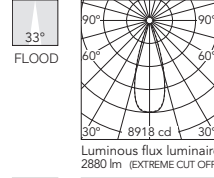


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8841	0.59
2	2210	1.18
3	982	1.78
4	553	2.37
5	354	2.96

Luminous flux luminaire
2836 lm (EXTREME CUT OFF)

3000K
 E I 03.9277.40A
 03.9277.14A
 Dali & Push Version
 E I 03.9277.40ADA
 03.9277.14ADA

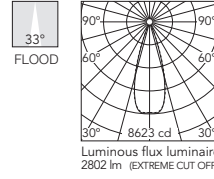


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8918	0.60
2	2230	1.19
3	991	1.79
4	557	2.38
5	357	2.98

Luminous flux luminaire
2880 lm (EXTREME CUT OFF)

3000K
 E I 03.9278.40A
 03.9278.14A
 Dali & Push Version
 E I 03.9278.40ADA
 03.9278.14ADA

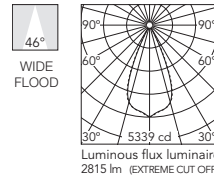


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	8623	0.60
2	2156	1.20
3	958	1.79
4	539	2.39
5	345	2.99

Luminous flux luminaire
2802 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K
 E I 03.8379.40A
 03.8379.14A
 Dali & Push Version
 E I 03.8379.40ADA
 03.8379.14ADA

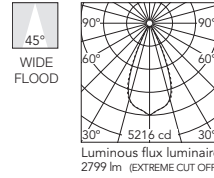


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	5339	0.84
2	1335	1.69
3	593	2.53
4	334	3.38
5	214	4.22

Luminous flux luminaire
2815 lm (EXTREME CUT OFF)

3000K
 E I 03.8378.40A
 03.8378.14A
 Dali & Push Version
 E I 03.8378.40ADA
 03.8378.14ADA

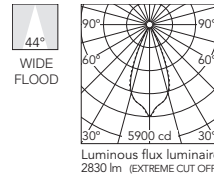


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	5216	0.83
2	1304	1.67
3	580	2.50
4	326	3.34
5	209	4.17

Luminous flux luminaire
2799 lm (EXTREME CUT OFF)

3000K
 E I 03.8380.40A
 03.8380.14A
 Dali & Push Version
 E I 03.8380.40ADA
 03.8380.14ADA

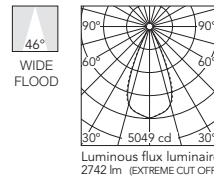


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	5900	0.80
2	1475	1.60
3	656	2.40
4	369	3.19
5	236	3.99

Luminous flux luminaire
2830 lm (EXTREME CUT OFF)

3000K
 E I 03.8381.40A
 03.8381.14A
 Dali & Push Version
 E I 03.8381.40ADA
 03.8381.14ADA



Beam Angle: 46°

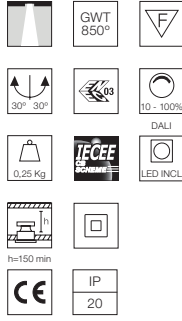
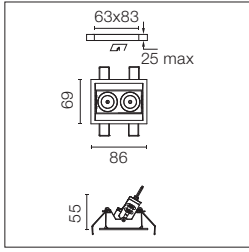
h(m)	E(lx)	D(m)
1	5049	0.84
2	1262	1.69
3	561	2.53
4	316	3.38
5	202	4.22

Luminous flux luminaire
2742 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Adjustable Trim 2 Spots

Light Source: Power LED 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90



Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

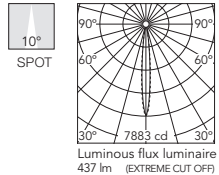
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

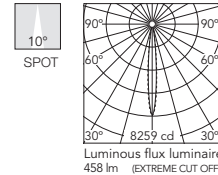
Optic Spot 2700K

- E I 03.8885.40A
- I 03.8885.14A
- E I Dali Version
- 03.8885.40ADA
- I 03.8885.14ADA

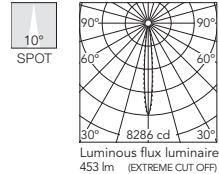


Optic Spot 3000K

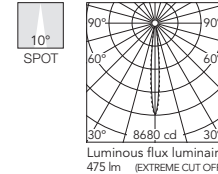
- E I 03.8889.40A
- I 03.8889.14A
- E I Dali Version
- 03.8889.40ADA
- I 03.8889.14ADA



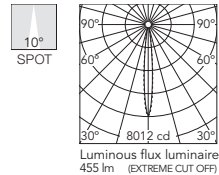
- E I 2700K
- 03.8884.40A
- I 03.8884.14A
- E I Dali Version
- 03.8884.40ADA
- I 03.8884.14ADA



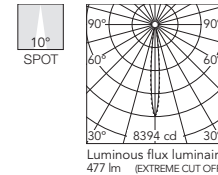
- E I 3000K
- 03.8888.40A
- I 03.8888.14A
- E I Dali Version
- 03.8888.40ADA
- I 03.8888.14ADA



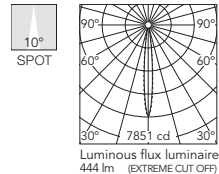
- E I 2700K
- 03.8886.40A
- I 03.8886.14A
- E I Dali Version
- 03.8886.40ADA
- I 03.8886.14ADA



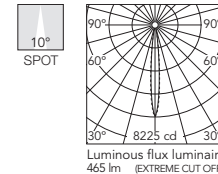
- E I 3000K
- 03.8890.40A
- I 03.8890.14A
- E I Dali Version
- 03.8890.40ADA
- I 03.8890.14ADA



- E I 2700K
- 03.8887.40A
- I 03.8887.14A
- E I Dali Version
- 03.8887.40ADA
- I 03.8887.14ADA

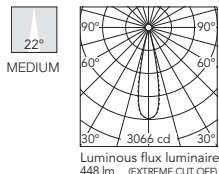


- E I 3000K
- 03.8891.40A
- I 03.8891.14A
- E I Dali Version
- 03.8891.40ADA
- I 03.8891.14ADA



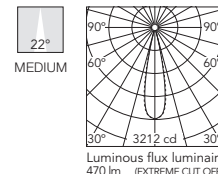
Optic Medium 2700K

- E I 03.9301.40A
- I 03.9301.14A
- E I Dali Version
- 03.9301.40ADA
- I 03.9301.14ADA

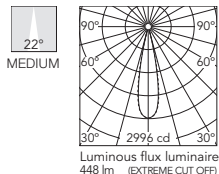


Optic Medium 3000K

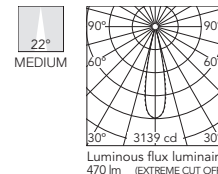
- E I 03.9311.40A
- I 03.9311.14A
- E I Dali Version
- 03.9311.40ADA
- I 03.9311.14ADA



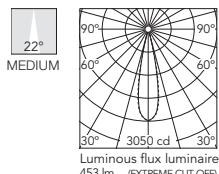
- E I 2700K
- 03.9300.40A
- I 03.9300.14A
- E I Dali Version
- 03.9300.40ADA
- I 03.9300.14ADA



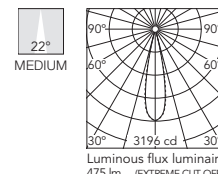
- E I 3000K
- 03.9310.40A
- I 03.9310.14A
- E I Dali Version
- 03.9310.40ADA
- I 03.9310.14ADA



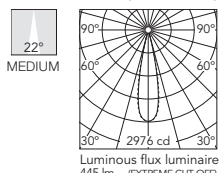
- E I 2700K
- 03.9302.40A
- I 03.9302.14A
- E I Dali Version
- 03.9302.40ADA
- I 03.9302.14ADA



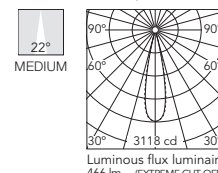
- E I 3000K
- 03.9312.40A
- I 03.9312.14A
- E I Dali Version
- 03.9312.40ADA
- I 03.9312.14ADA



- E I 2700K
- 03.9303.40A
- I 03.9303.14A
- E I Dali Version
- 03.9303.40ADA
- I 03.9303.14ADA



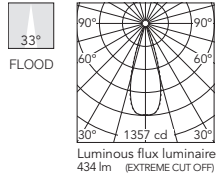
- E I 3000K
- 03.9313.40A
- I 03.9313.14A
- E I Dali Version
- 03.9313.40ADA
- I 03.9313.14ADA



LIGHT SHADOW

Optic Flood
2700K

E I
03.9306.40A
03.9306.14A
Dali Version
03.9306.40ADA
03.9306.14ADA

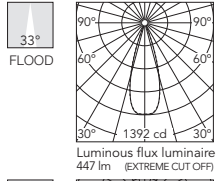


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1357	0.60
2	339	1.19
3	151	1.79
4	85	2.39
5	54	2.99

2700K

E I
03.9305.40A
03.9305.14A
Dali Version
03.9305.40ADA
03.9305.14ADA

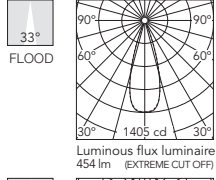


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1392	0.59
2	348	1.18
3	155	1.78
4	87	2.37
5	56	2.96

2700K

E I
03.9307.40A
03.9307.14A
Dali Version
03.9307.40ADA
03.9307.14ADA

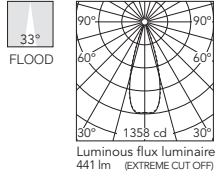


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1405	0.60
2	351	1.19
3	156	1.79
4	88	2.38
5	56	2.98

2700K

E I
03.9308.40A
03.9308.14A
Dali Version
03.9308.40ADA
03.9308.14ADA

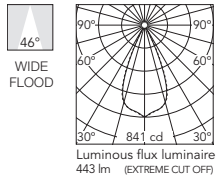


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1358	0.60
2	340	1.20
3	151	1.79
4	85	2.39
5	54	2.99

Optic Wide Flood
2700K

E I
03.7301.40A
03.7301.14A
Dali Version
03.7301.40ADA
03.7301.14ADA

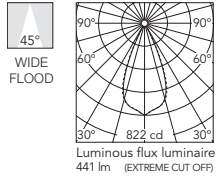


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	841	0.84
2	210	1.69
3	93	2.53
4	53	3.38
5	34	4.22

2700K

E I
03.7300.40A
03.7300.14A
Dali Version
03.7300.40ADA
03.7300.14ADA

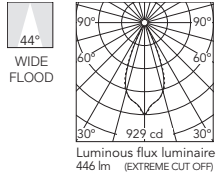


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	822	0.83
2	205	1.67
3	91	2.50
4	51	3.34
5	33	4.17

2700K

E I
03.7302.40A
03.7302.14A
Dali Version
03.7302.40ADA
03.7302.14ADA

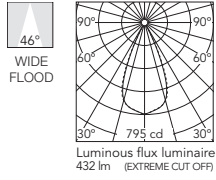


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	929	0.80
2	232	1.60
3	103	2.40
4	58	3.19
5	37	3.99

2700K

E I
03.7303.40A
03.7303.14A
Dali Version
03.7303.40ADA
03.7303.14ADA

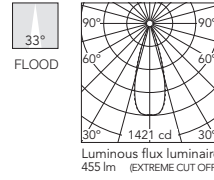


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	795	0.84
2	199	1.69
3	88	2.53
4	50	3.38
5	32	4.22

Optic Flood
3000K

E I
03.9316.40A
03.9316.14A
Dali Version
03.9316.40ADA
03.9316.14ADA

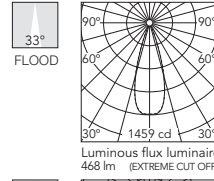


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1421	0.60
2	355	1.19
3	158	1.79
4	89	2.39
5	57	2.99

3000K

E I
03.9315.40A
03.9315.14A
Dali Version
03.9315.40ADA
03.9315.14ADA

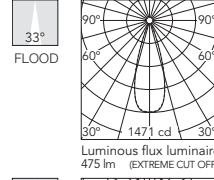


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1459	0.59
2	365	1.18
3	162	1.78
4	91	2.37
5	58	2.96

3000K

E I
03.9317.40A
03.9317.14A
Dali Version
03.9317.40ADA
03.9317.14ADA

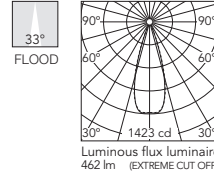


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1471	0.60
2	368	1.19
3	163	1.79
4	92	2.38
5	59	2.98

3000K

E I
03.9318.40A
03.9318.14A
Dali Version
03.9318.40ADA
03.9318.14ADA

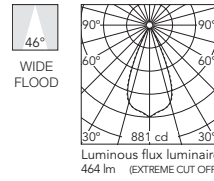


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1423	0.60
2	356	1.20
3	158	1.79
4	89	2.39
5	57	2.99

Optic Wide Flood
3000K

E I
03.7305.40A
03.7305.14A
Dali Version
03.7305.40ADA
03.7305.14ADA

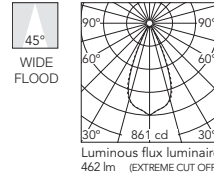


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	881	0.84
2	220	1.69
3	98	2.53
4	55	3.38
5	35	4.22

3000K

E I
03.7304.40A
03.7304.14A
Dali Version
03.7304.40ADA
03.7304.14ADA

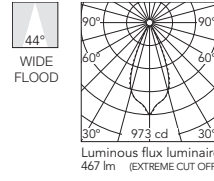


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	861	0.83
2	215	1.67
3	96	2.50
4	54	3.34
5	34	4.17

3000K

E I
03.7306.40A
03.7306.14A
Dali Version
03.7306.40ADA
03.7306.14ADA

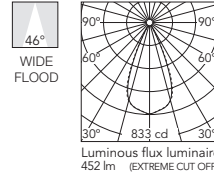


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	973	0.80
2	243	1.60
3	108	2.40
4	61	3.19
5	39	3.99

3000K

E I
03.7307.40A
03.7307.14A
Dali Version
03.7307.40ADA
03.7307.14ADA



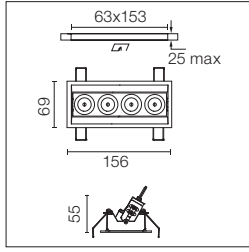
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	833	0.84
2	208	1.69
3	93	2.53
4	52	3.38
5	33	4.22

LIGHT SHADOW

Light Shadow Adjustable Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

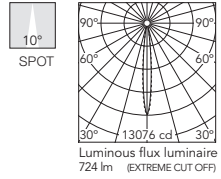
E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

E I 03.8893.40A
03.8893.14A

E I Dali Version
03.8893.40ADA
03.8893.14ADA



Beam Angle: 10°

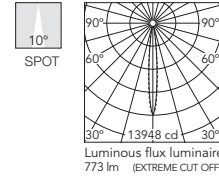
h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

Luminous flux luminaire 724 lm (EXTREME CUT OFF)

Optic Spot 3000K

E I 03.8897.40A
03.8897.14A

E I Dali Version
03.8897.40ADA
03.8897.14ADA



Beam Angle: 10°

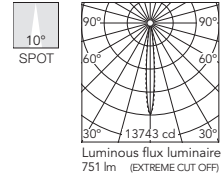
h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

Luminous flux luminaire 773 lm (EXTREME CUT OFF)

2700K

E I 03.8892.40A
03.8892.14A

E I Dali Version
03.8892.40ADA
03.8892.14ADA



Beam Angle: 10°

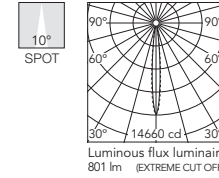
h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Luminous flux luminaire 751 lm (EXTREME CUT OFF)

3000K

E I 03.8896.40A
03.8896.14A

E I Dali Version
03.8896.40ADA
03.8896.14ADA



Beam Angle: 10°

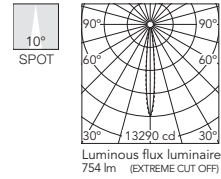
h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Luminous flux luminaire 801 lm (EXTREME CUT OFF)

2700K

E I 03.8894.40A
03.8894.14A

E I Dali Version
03.8894.40ADA
03.8894.14ADA



Beam Angle: 10°

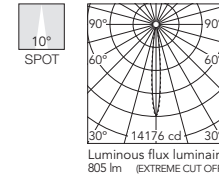
h(m)	E(lx)	D(m)
1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

Luminous flux luminaire 754 lm (EXTREME CUT OFF)

3000K

E I 03.8898.40A
03.8898.14A

E I Dali Version
03.8898.40ADA
03.8898.14ADA



Beam Angle: 10°

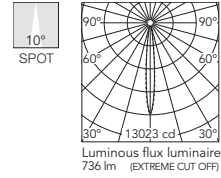
h(m)	E(lx)	D(m)
1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

Luminous flux luminaire 805 lm (EXTREME CUT OFF)

2700K

E I 03.8895.40A
03.8895.14A

E I Dali Version
03.8895.40ADA
03.8895.14ADA



Beam Angle: 10°

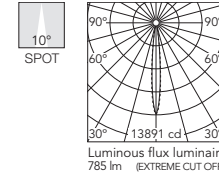
h(m)	E(lx)	D(m)
1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

3000K

E I 03.8899.40A
03.8899.14A

E I Dali Version
03.8899.40ADA
03.8899.14ADA



Beam Angle: 10°

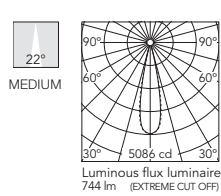
h(m)	E(lx)	D(m)
1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

Luminous flux luminaire 785 lm (EXTREME CUT OFF)

Optic Medium 2700K

E I 03.9321.40A
03.9321.14A

E I Dali Version
03.9321.40ADA
03.9321.14ADA



Beam Angle: 22°

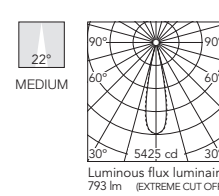
h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

Optic Medium 3000K

E I 03.9331.40A
03.9331.14A

E I Dali Version
03.9331.40ADA
03.9331.14ADA



Beam Angle: 22°

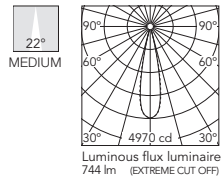
h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K

E I 03.9320.40A
03.9320.14A

E I Dali Version
03.9320.40ADA
03.9320.14ADA



Beam Angle: 22°

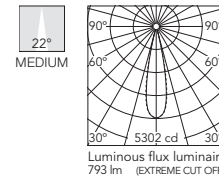
h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

3000K

E I 03.9330.40A
03.9330.14A

E I Dali Version
03.9330.40ADA
03.9330.14ADA



Beam Angle: 22°

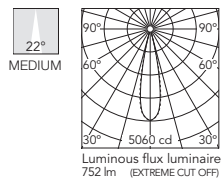
h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K

E I 03.9322.40A
03.9322.14A

E I Dali Version
03.9322.40ADA
03.9322.14ADA



Beam Angle: 22°

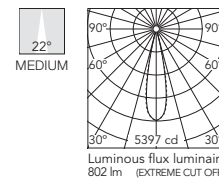
h(m)	E(lx)	D(m)
1	5060	0.39
2	1265	0.77
3	562	1.16
4	316	1.55
5	202	1.94

Luminous flux luminaire 752 lm (EXTREME CUT OFF)

3000K

E I 03.9332.40A
03.9332.14A

E I Dali Version
03.9332.40ADA
03.9332.14ADA



Beam Angle: 22°

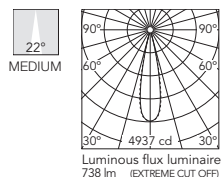
h(m)	E(lx)	D(m)
1	5397	0.39
2	1349	0.77
3	600	1.16
4	337	1.55
5	216	1.94

Luminous flux luminaire 802 lm (EXTREME CUT OFF)

2700K

E I 03.9323.40A
03.9323.14A

E I Dali Version
03.9323.40ADA
03.9323.14ADA



Beam Angle: 22°

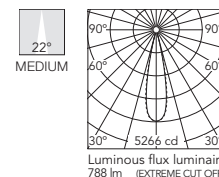
h(m)	E(lx)	D(m)
1	4937	0.39
2	1234	0.78
3	549	1.17
4	309	1.56
5	197	1.95

Luminous flux luminaire 738 lm (EXTREME CUT OFF)

3000K

E I 03.9333.40A
03.9333.14A

E I Dali Version
03.9333.40ADA
03.9333.14ADA



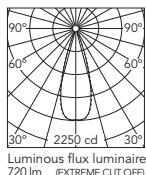
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5266	0.39
2	1316	0.78
3	585	1.17
4	329	1.56
5	211	1.95

Luminous flux luminaire 788 lm (EXTREME CUT OFF)

LIGHT SHADOW

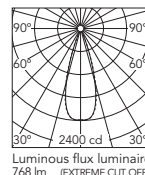
Optic Flood 2700K
 E I 03.9326.40A
 03.9326.14A
 E I Dali Version
 03.9326.40ADA
 03.9326.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2250 0.60
 2 563 1.19
 3 250 1.79
 4 141 2.39
 5 90 2.99

Luminous flux luminaire
 720 lm (EXTREME CUT OFF)

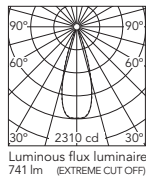
Optic Flood 3000K
 E I 03.9336.40A
 03.9336.14A
 E I Dali Version
 03.9336.40ADA
 03.9336.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2400 0.60
 2 600 1.19
 3 267 1.79
 4 150 2.39
 5 96 2.99

Luminous flux luminaire
 768 lm (EXTREME CUT OFF)

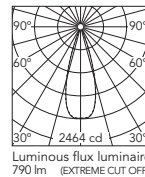
2700K
 E I 03.9325.40A
 03.9325.14A
 E I Dali Version
 03.9325.40ADA
 03.9325.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2310 0.59
 2 577 1.18
 3 257 1.78
 4 144 2.37
 5 92 2.96

Luminous flux luminaire
 741 lm (EXTREME CUT OFF)

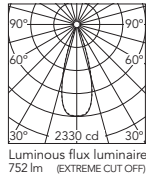
3000K
 E I 03.9335.40A
 03.9335.14A
 E I Dali Version
 03.9335.40ADA
 03.9335.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2464 0.59
 2 616 1.18
 3 274 1.78
 4 154 2.37
 5 99 2.96

Luminous flux luminaire
 790 lm (EXTREME CUT OFF)

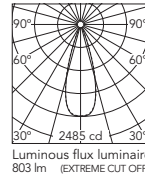
2700K
 E I 03.9327.40A
 03.9327.14A
 E I Dali Version
 03.9327.40ADA
 03.9327.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2330 0.60
 2 582 1.19
 3 259 1.79
 4 146 2.38
 5 93 2.98

Luminous flux luminaire
 752 lm (EXTREME CUT OFF)

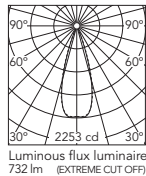
3000K
 E I 03.9337.40A
 03.9337.14A
 E I Dali Version
 03.9337.40ADA
 03.9337.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2485 0.60
 2 621 1.19
 3 276 1.79
 4 155 2.38
 5 99 2.98

Luminous flux luminaire
 803 lm (EXTREME CUT OFF)

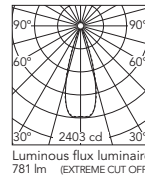
2700K
 E I 03.9328.40A
 03.9328.14A
 E I Dali Version
 03.9328.40ADA
 03.9328.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2253 0.60
 2 563 1.20
 3 250 1.79
 4 141 2.39
 5 90 2.99

Luminous flux luminaire
 732 lm (EXTREME CUT OFF)

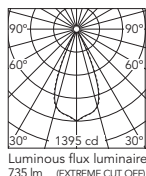
3000K
 E I 03.9338.40A
 03.9338.14A
 E I Dali Version
 03.9338.40ADA
 03.9338.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 2403 0.60
 2 601 1.20
 3 267 1.79
 4 150 2.39
 5 96 2.99

Luminous flux luminaire
 781 lm (EXTREME CUT OFF)

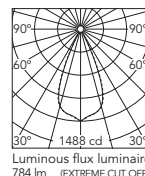
Optic Wide Flood 2700K
 E I 03.7309.40A
 03.7309.14A
 E I Dali Version
 03.7309.40ADA
 03.7309.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 1395 0.84
 2 349 1.69
 3 155 2.53
 4 87 3.38
 5 56 4.22

Luminous flux luminaire
 735 lm (EXTREME CUT OFF)

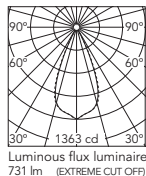
Optic Wide Flood 3000K
 E I 03.7313.40A
 03.7313.14A
 E I Dali Version
 03.7313.40ADA
 03.7313.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 1488 0.84
 2 372 1.69
 3 165 2.53
 4 93 3.38
 5 60 4.22

Luminous flux luminaire
 784 lm (EXTREME CUT OFF)

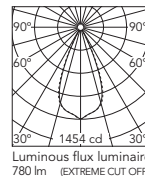
2700K
 E I 03.7308.40A
 03.7308.14A
 E I Dali Version
 03.7308.40ADA
 03.7308.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 1363 0.83
 2 341 1.67
 3 151 2.50
 4 85 3.34
 5 55 4.17

Luminous flux luminaire
 731 lm (EXTREME CUT OFF)

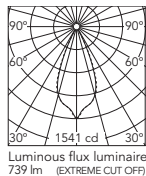
3000K
 E I 03.7312.40A
 03.7312.14A
 E I Dali Version
 03.7312.40ADA
 03.7312.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 1454 0.83
 2 363 1.67
 3 162 2.50
 4 91 3.34
 5 58 4.17

Luminous flux luminaire
 780 lm (EXTREME CUT OFF)

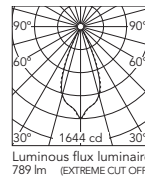
2700K
 E I 03.7310.40A
 03.7310.14A
 E I Dali Version
 03.7310.40ADA
 03.7310.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 1541 0.80
 2 385 1.60
 3 171 2.40
 4 96 3.19
 5 62 3.99

Luminous flux luminaire
 739 lm (EXTREME CUT OFF)

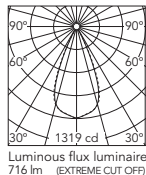
3000K
 E I 03.7314.40A
 03.7314.14A
 E I Dali Version
 03.7314.40ADA
 03.7314.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 1644 0.80
 2 411 1.60
 3 183 2.40
 4 103 3.19
 5 66 3.99

Luminous flux luminaire
 789 lm (EXTREME CUT OFF)

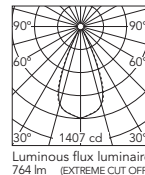
2700K
 E I 03.7311.40A
 03.7311.14A
 E I Dali Version
 03.7311.40ADA
 03.7311.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 1319 0.84
 2 330 1.69
 3 147 2.53
 4 82 3.38
 5 53 4.22

Luminous flux luminaire
 716 lm (EXTREME CUT OFF)

3000K
 E I 03.7315.40A
 03.7315.14A
 E I Dali Version
 03.7315.40ADA
 03.7315.14ADA



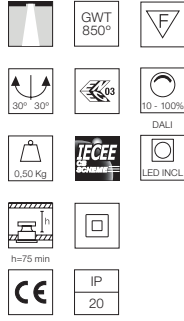
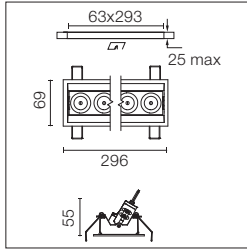
Beam Angle: 46°
 h(m) E(lx) D(m)
 1 1407 0.84
 2 352 1.69
 3 156 2.53
 4 88 3.38
 5 56 4.22

Luminous flux luminaire
 764 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Adjustable Trim 8 Spots

Light Source: Power LED 21,6W - 2160 lm - 2700K/CRI 90 / 21,6W - 2280 lm - 3000K/CRI 90



Recessed integrated luminaire with 8 LED lighting spots. Remote power supply included (220-240V). Pre-Installation frame not required.

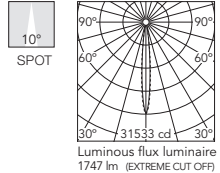
Luminaria empotrable de 8 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

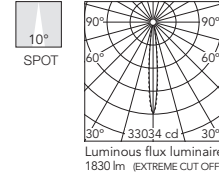
- E I 03.8901.40A
- I 03.8901.14A
- E I Dali Version
- 03.8901.40ADA
- I 03.8901.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	31533 0.18
2	7883 0.36
3	3504 0.54
4	1971 0.72
5	1261 0.90

Optic Spot 3000K

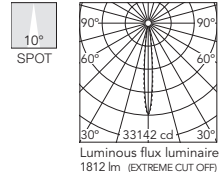
- E I 03.8905.40A
- I 03.8905.14A
- E I Dali Version
- 03.8905.40ADA
- I 03.8905.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	33034 0.18
2	8259 0.36
3	3670 0.54
4	2065 0.72
5	1321 0.90

2700K

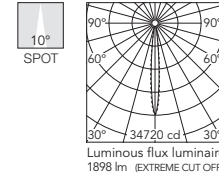
- 03.8900.40A
- I 03.8900.14A
- E I Dali Version
- 03.8900.40ADA
- I 03.8900.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	33142 0.17
2	8285 0.35
3	3682 0.52
4	2071 0.70
5	1326 0.87

3000K

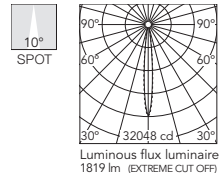
- 03.8904.40A
- I 03.8904.14A
- E I Dali Version
- 03.8904.40ADA
- I 03.8904.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	34720 0.17
2	8680 0.35
3	3858 0.52
4	2170 0.70
5	1389 0.87

2700K

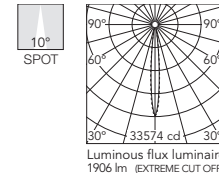
- 03.8902.40A
- I 03.8902.14A
- E I Dali Version
- 03.8902.40ADA
- I 03.8902.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	32048 0.18
2	8012 0.36
3	3561 0.55
4	2003 0.73
5	1282 0.91

3000K

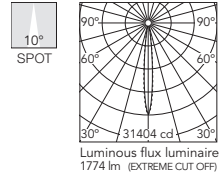
- 03.8906.40A
- I 03.8906.14A
- E I Dali Version
- 03.8906.40ADA
- I 03.8906.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	33574 0.18
2	8394 0.36
3	3730 0.55
4	2098 0.73
5	1343 0.91

2700K

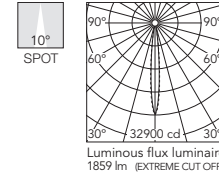
- 03.8903.40A
- I 03.8903.14A
- E I Dali Version
- 03.8903.40ADA
- I 03.8903.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	31404 0.18
2	7851 0.36
3	3489 0.55
4	1963 0.73
5	1256 0.91

3000K

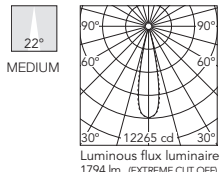
- 03.8907.40A
- I 03.8907.14A
- E I Dali Version
- 03.8907.40ADA
- I 03.8907.14ADA



Beam Angle: 10°	
h(m)	E(lx) D(m)
1	32900 0.18
2	8225 0.36
3	3656 0.55
4	2056 0.73
5	1316 0.91

Optic Medium 2700K

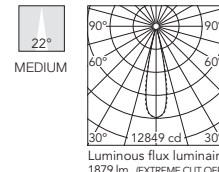
- E I 03.9341.40A
- I 03.9341.14A
- E I Dali Version
- 03.9341.40ADA
- I 03.9341.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12265 0.39
2	3066 0.78
3	1363 1.17
4	767 1.56
5	491 1.95

Optic Medium 3000K

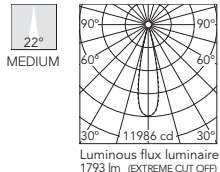
- E I 03.9351.40A
- I 03.9351.14A
- E I Dali Version
- 03.9351.40ADA
- I 03.9351.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12849 0.39
2	3212 0.78
3	1428 1.17
4	803 1.56
5	514 1.95

2700K

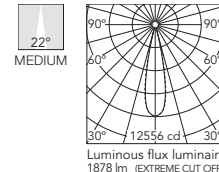
- 03.9340.40A
- I 03.9340.14A
- E I Dali Version
- 03.9340.40ADA
- I 03.9340.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	11986 0.39
2	2996 0.78
3	1332 1.17
4	749 1.56
5	479 1.95

3000K

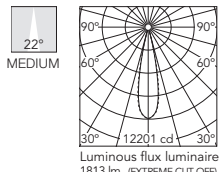
- 03.9350.40A
- I 03.9350.14A
- E I Dali Version
- 03.9350.40ADA
- I 03.9350.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12556 0.39
2	3139 0.78
3	1395 1.17
4	785 1.56
5	502 1.95

2700K

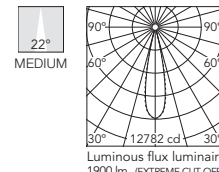
- 03.9342.40A
- I 03.9342.14A
- E I Dali Version
- 03.9342.40ADA
- I 03.9342.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12201 0.39
2	3050 0.77
3	1356 1.16
4	763 1.55
5	488 1.94

3000K

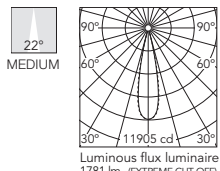
- 03.9352.40A
- I 03.9352.14A
- E I Dali Version
- 03.9352.40ADA
- I 03.9352.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12782 0.39
2	3196 0.77
3	1420 1.16
4	799 1.55
5	511 1.94

2700K

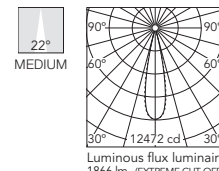
- 03.9343.40A
- I 03.9343.14A
- E I Dali Version
- 03.9343.40ADA
- I 03.9343.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	11905 0.39
2	2976 0.78
3	1323 1.17
4	744 1.56
5	476 1.95

3000K

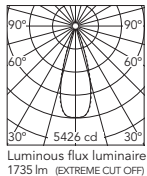
- 03.9353.40A
- I 03.9353.14A
- E I Dali Version
- 03.9353.40ADA
- I 03.9353.14ADA



Beam Angle: 22°	
h(m)	E(lx) D(m)
1	12472 0.39
2	3118 0.78
3	1386 1.17
4	779 1.56
5	499 1.95

LIGHT SHADOW

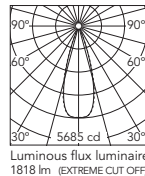
Optic Flood 2700K
 E I 03.9346.40A
 03.9346.14A
 E I Dali Version
 03.9346.40ADA
 03.9346.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5426 0.60
 2 1357 1.19
 3 603 1.79
 4 339 2.39
 5 217 2.99

Luminous flux luminaire 1735 lm (EXTREME CUT OFF)

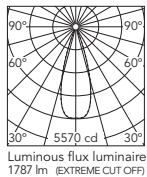
Optic Flood 3000K
 E I 03.9356.40A
 03.9356.14A
 E I Dali Version
 03.9356.40ADA
 03.9356.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5685 0.60
 2 1421 1.19
 3 632 1.79
 4 355 2.39
 5 227 2.99

Luminous flux luminaire 1818 lm (EXTREME CUT OFF)

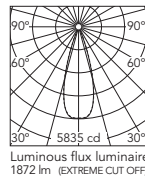
2700K
 E I 03.9345.40A
 03.9345.14A
 E I Dali Version
 03.9345.40ADA
 03.9345.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5570 0.59
 2 1392 1.18
 3 619 1.78
 4 348 2.37
 5 223 2.96

Luminous flux luminaire 1787 lm (EXTREME CUT OFF)

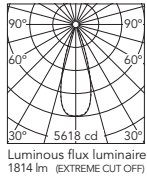
3000K
 E I 03.9355.40A
 03.9355.14A
 E I Dali Version
 03.9355.40ADA
 03.9355.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5835 0.59
 2 1459 1.18
 3 648 1.78
 4 365 2.37
 5 233 2.96

Luminous flux luminaire 1872 lm (EXTREME CUT OFF)

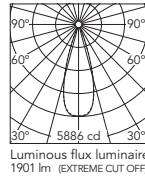
2700K
 E I 03.9347.40A
 03.9347.14A
 E I Dali Version
 03.9347.40ADA
 03.9347.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5618 0.60
 2 1405 1.19
 3 624 1.79
 4 351 2.38
 5 225 2.98

Luminous flux luminaire 1814 lm (EXTREME CUT OFF)

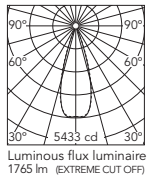
3000K
 E I 03.9357.40A
 03.9357.14A
 E I Dali Version
 03.9357.40ADA
 03.9357.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5886 0.60
 2 1472 1.19
 3 654 1.79
 4 368 2.38
 5 235 2.98

Luminous flux luminaire 1901 lm (EXTREME CUT OFF)

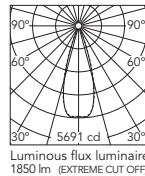
2700K
 E I 03.9348.40A
 03.9348.14A
 E I Dali Version
 03.9348.40ADA
 03.9348.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5433 0.60
 2 1358 1.20
 3 604 1.79
 4 340 2.39
 5 217 2.99

Luminous flux luminaire 1765 lm (EXTREME CUT OFF)

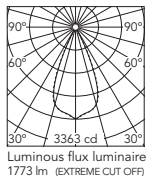
3000K
 E I 03.9358.40A
 03.9358.14A
 E I Dali Version
 03.9358.40ADA
 03.9358.14ADA



Beam Angle: 33°
 h(m) E(lx) D(m)
 1 5691 0.60
 2 1423 1.20
 3 632 1.79
 4 356 2.39
 5 228 2.99

Luminous flux luminaire 1850 lm (EXTREME CUT OFF)

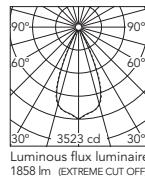
Optic Wide Flood 2700K
 E I 03.7317.40A
 03.7317.14A
 E I Dali Version
 03.7317.40ADA
 03.7317.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3363 0.84
 2 841 1.69
 3 374 2.53
 4 210 3.38
 5 135 4.22

Luminous flux luminaire 1773 lm (EXTREME CUT OFF)

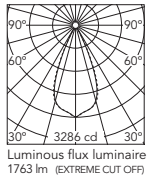
Optic Wide Flood 3000K
 E I 03.7321.40A
 03.7321.14A
 E I Dali Version
 03.7321.40ADA
 03.7321.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3523 0.84
 2 881 1.69
 3 391 2.53
 4 220 3.38
 5 141 4.22

Luminous flux luminaire 1858 lm (EXTREME CUT OFF)

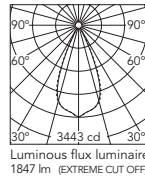
2700K
 E I 03.7316.40A
 03.7316.14A
 E I Dali Version
 03.7316.40ADA
 03.7316.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 3286 0.83
 2 822 1.67
 3 365 2.50
 4 205 3.34
 5 131 4.17

Luminous flux luminaire 1763 lm (EXTREME CUT OFF)

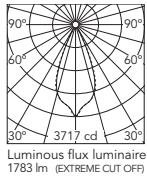
3000K
 E I 03.7320.40A
 03.7320.14A
 E I Dali Version
 03.7320.40ADA
 03.7320.14ADA



Beam Angle: 45°
 h(m) E(lx) D(m)
 1 3443 0.83
 2 861 1.67
 3 383 2.50
 4 215 3.34
 5 138 4.17

Luminous flux luminaire 1847 lm (EXTREME CUT OFF)

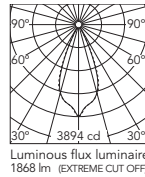
2700K
 E I 03.7318.40A
 03.7318.14A
 E I Dali Version
 03.7318.40ADA
 03.7318.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 3717 0.80
 2 929 1.60
 3 413 2.40
 4 232 3.19
 5 149 3.99

Luminous flux luminaire 1783 lm (EXTREME CUT OFF)

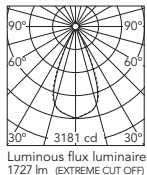
3000K
 E I 03.7322.40A
 03.7322.14A
 E I Dali Version
 03.7322.40ADA
 03.7322.14ADA



Beam Angle: 44°
 h(m) E(lx) D(m)
 1 3894 0.80
 2 973 1.60
 3 433 2.40
 4 243 3.19
 5 156 3.99

Luminous flux luminaire 1868 lm (EXTREME CUT OFF)

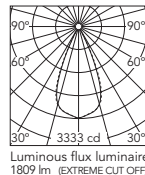
2700K
 E I 03.7319.40A
 03.7319.14A
 E I Dali Version
 03.7319.40ADA
 03.7319.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3181 0.84
 2 795 1.69
 3 353 2.53
 4 199 3.38
 5 127 4.22

Luminous flux luminaire 1727 lm (EXTREME CUT OFF)

3000K
 E I 03.7323.40A
 03.7323.14A
 E I Dali Version
 03.7323.40ADA
 03.7323.14ADA



Beam Angle: 46°
 h(m) E(lx) D(m)
 1 3333 0.84
 2 833 1.69
 3 370 2.53
 4 208 3.38
 5 133 4.22

Luminous flux luminaire 1809 lm (EXTREME CUT OFF)

LIGHT SHADOW

Optic Flood 2700K 03.9366.40A 03.9366.14A Dali & Push Version 03.9366.40ADA 03.9366.14ADA

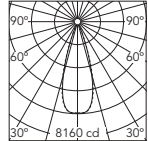


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2610 lm (EXTREME CUT OFF)

Optic Flood 2700K 03.9365.40A 03.9365.14A Dali & Push Version 03.9365.40ADA 03.9365.14ADA

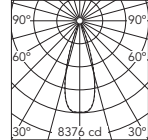


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2687 lm (EXTREME CUT OFF)

Optic Flood 2700K 03.9367.40A 03.9367.14A Dali & Push Version 03.9367.40ADA 03.9367.14ADA

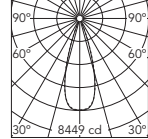


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2728 lm (EXTREME CUT OFF)

Optic Flood 2700K 03.9368.40A 03.9368.14A Dali & Push Version 03.9368.40ADA 03.9368.14ADA

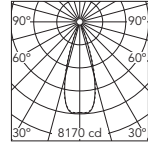


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2655 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K 03.7325.40A 03.7325.14A Dali & Push Version 03.7325.40ADA 03.7325.14ADA

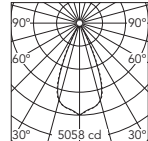


Table with beam angle 46 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2666 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K 03.7324.40A 03.7324.14A Dali & Push Version 03.7324.40ADA 03.7324.14ADA

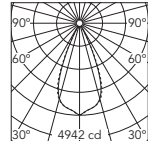


Table with beam angle 45 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2652 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K 03.7326.40A 03.7326.14A Dali & Push Version 03.7326.40ADA 03.7326.14ADA

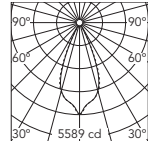


Table with beam angle 44 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2681 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K 03.7327.40A 03.7327.14A Dali & Push Version 03.7327.40ADA 03.7327.14ADA

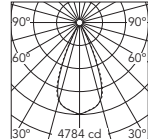


Table with beam angle 46 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2597 lm (EXTREME CUT OFF)

Optic Flood 3000K 03.9376.40A 03.9376.14A Dali & Push Version 03.9376.40ADA 03.9376.14ADA

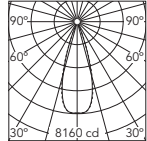


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2610 lm (EXTREME CUT OFF)

Optic Flood 3000K 03.9375.40A 03.9375.14A Dali & Push Version 03.9375.40ADA 03.9375.14ADA

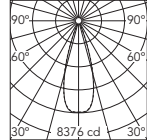


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2687 lm (EXTREME CUT OFF)

Optic Flood 3000K 03.9377.40A 03.9377.14A Dali & Push Version 03.9377.40ADA 03.9377.14ADA

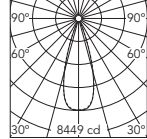


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2728 lm (EXTREME CUT OFF)

Optic Flood 3000K 03.9378.40A 03.9378.14A Dali & Push Version 03.9378.40ADA 03.9378.14ADA

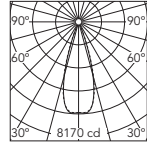


Table with beam angle 33 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2655 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K 03.7329.40A 03.7329.14A Dali & Push Version 03.7329.40ADA 03.7329.14ADA

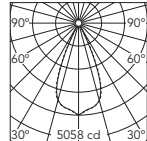


Table with beam angle 46 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2666 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K 03.7328.40A 03.7328.14A Dali & Push Version 03.7328.40ADA 03.7328.14ADA

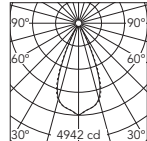


Table with beam angle 45 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2652 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K 03.7330.40A 03.7330.14A Dali & Push Version 03.7330.40ADA 03.7330.14ADA

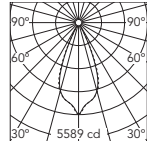


Table with beam angle 44 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2681 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K 03.7331.40A 03.7331.14A Dali & Push Version 03.7331.40ADA 03.7331.14ADA

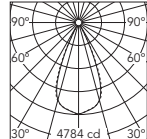


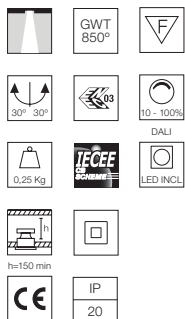
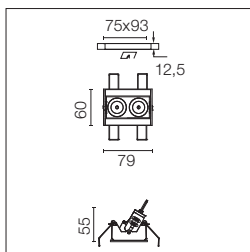
Table with beam angle 46 degrees and data for heights 1-5m and beam diameters.

Luminous flux luminaire 2597 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Adjustable No Trim 2 Spots

Light Source: Power LED 5,4W - 540 lm - 2700K/CRI 90 / 5,4W - 570 lm - 3000K/CRI 90



Recessed integrated luminaire with 2 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

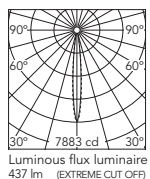
Luminaria empotrable de 2 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= External Finish
I= Internal Finish

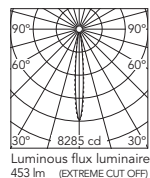
E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

- E I
03.8917.40A
03.8917.14A
Dali Version
03.8917.40ADA
03.8917.14ADA

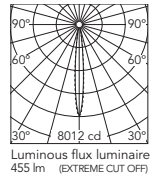


h(m)	E(lx)	D(m)
1	7883	0.18
2	1971	0.36
3	876	0.54
4	493	0.72
5	315	0.90



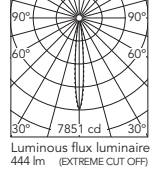
h(m)	E(lx)	D(m)
1	8285	0.17
2	2071	0.35
3	921	0.52
4	518	0.70
5	331	0.87

- E I **2700K**
03.8916.40A
03.8916.14A
Dali Version
03.8916.40ADA
03.8916.14ADA



h(m)	E(lx)	D(m)
1	8012	0.18
2	2003	0.36
3	890	0.55
4	501	0.73
5	320	0.91

- E I **2700K**
03.8918.40A
03.8918.14A
Dali Version
03.8918.40ADA
03.8918.14ADA



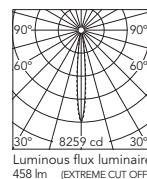
h(m)	E(lx)	D(m)
1	7851	0.18
2	1963	0.36
3	872	0.55
4	491	0.73
5	314	0.91

- E I **2700K**
03.8919.40A
03.8919.14A
Dali Version
03.8919.40ADA
03.8919.14ADA



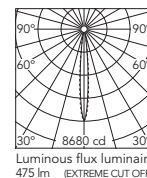
Optic Spot 3000K

- E I
03.8921.40A
03.8921.14A
Dali Version
03.8921.40ADA
03.8921.14ADA



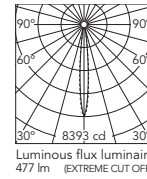
h(m)	E(lx)	D(m)
1	8259	0.18
2	2065	0.36
3	918	0.54
4	516	0.72
5	330	0.90

- E I **3000K**
03.8920.40A
03.8920.14A
Dali Version
03.8920.40ADA
03.8920.14ADA



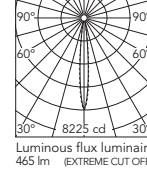
h(m)	E(lx)	D(m)
1	8680	0.17
2	2170	0.35
3	964	0.52
4	542	0.70
5	347	0.87

- E I **3000K**
03.8922.40A
03.8922.14A
Dali Version
03.8922.40ADA
03.8922.14ADA



h(m)	E(lx)	D(m)
1	8393	0.18
2	2098	0.36
3	933	0.55
4	525	0.73
5	336	0.91

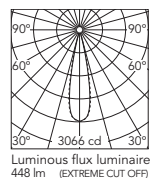
- E I **3000K**
03.8923.40A
03.8923.14A
Dali Version
03.8923.40ADA
03.8923.14ADA



h(m)	E(lx)	D(m)
1	8225	0.18
2	2056	0.36
3	914	0.55
4	514	0.73
5	329	0.91

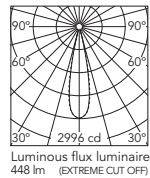
Optic Medium 2700K

- E I
03.9401.40A
03.9401.14A
Dali Version
03.9401.40ADA
03.9401.14ADA



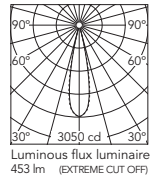
h(m)	E(lx)	D(m)
1	3066	0.39
2	767	0.78
3	341	1.17
4	192	1.56
5	123	1.95

- E I **2700K**
03.9400.40A
03.9400.14A
Dali Version
03.9400.40ADA
03.9400.14ADA



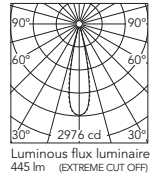
h(m)	E(lx)	D(m)
1	2996	0.39
2	749	0.78
3	333	1.17
4	187	1.56
5	120	1.95

- E I **2700K**
03.9402.40A
03.9402.14A
Dali Version
03.9402.40ADA
03.9402.14ADA



h(m)	E(lx)	D(m)
1	3050	0.39
2	763	0.77
3	339	1.16
4	191	1.55
5	122	1.94

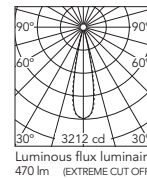
- E I **2700K**
03.9403.40A
03.9403.14A
Dali Version
03.9403.40ADA
03.9403.14ADA



h(m)	E(lx)	D(m)
1	2976	0.39
2	744	0.78
3	331	1.17
4	186	1.56
5	119	1.95

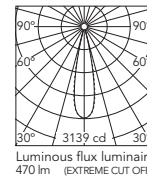
Optic Medium 3000K

- E I
03.9411.40A
03.9411.14A
Dali Version
03.9411.40ADA
03.9411.14ADA



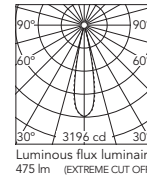
h(m)	E(lx)	D(m)
1	3212	0.39
2	803	0.78
3	357	1.17
4	201	1.56
5	128	1.95

- E I **3000K**
03.9410.40A
03.9410.14A
Dali Version
03.9410.40ADA
03.9410.14ADA



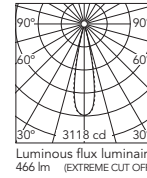
h(m)	E(lx)	D(m)
1	3139	0.39
2	785	0.78
3	349	1.17
4	196	1.56
5	126	1.95

- E I **3000K**
03.9412.40A
03.9412.14A
Dali Version
03.9412.40ADA
03.9412.14ADA



h(m)	E(lx)	D(m)
1	3196	0.39
2	799	0.77
3	355	1.16
4	200	1.55
5	128	1.94

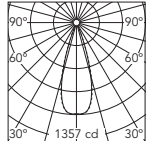
- E I **3000K**
03.9413.40A
03.9413.14A
Dali Version
03.9413.40ADA
03.9413.14ADA



h(m)	E(lx)	D(m)
1	3118	0.39
2	779	0.78
3	346	1.17
4	195	1.56
5	125	1.95

LIGHT SHADOW

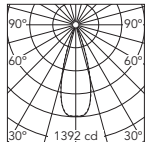
Optic Flood
2700K
E I
03.9406.40A
03.9406.14A
E I
Dali Version
03.9406.40ADA
03.9406.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1357 0.60
2 339 1.19
3 151 1.79
4 85 2.39
5 54 2.99

Luminous flux luminaire
434 lm (EXTREME CUT OFF)

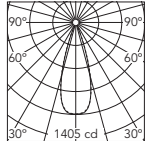
2700K
E I
03.9405.40A
03.9405.14A
E I
Dali Version
03.9405.40ADA
03.9405.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1392 0.59
2 348 1.18
3 155 1.78
4 87 2.37
5 56 2.96

Luminous flux luminaire
447 lm (EXTREME CUT OFF)

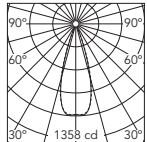
2700K
E I
03.9407.40A
03.9407.14A
E I
Dali Version
03.9407.40ADA
03.9407.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1405 0.60
2 351 1.19
3 156 1.79
4 88 2.38
5 56 2.98

Luminous flux luminaire
454 lm (EXTREME CUT OFF)

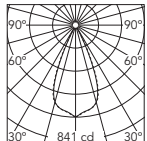
2700K
E I
03.9408.40A
03.9408.14A
E I
Dali Version
03.9408.40ADA
03.9408.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1358 0.60
2 340 1.20
3 151 1.79
4 85 2.39
5 54 2.99

Luminous flux luminaire
441 lm (EXTREME CUT OFF)

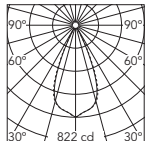
Optic Wide Flood
2700K
E I
03.7351.40A
03.7351.14A
E I
Dali Version
03.7351.40ADA
03.7351.14ADA



Beam Angle: 46°
h(m) E(lx) D(m)
1 841 0.84
2 210 1.69
3 93 2.53
4 53 3.38
5 34 4.22

Luminous flux luminaire
443 lm (EXTREME CUT OFF)

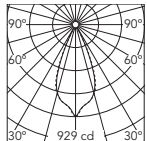
2700K
E I
03.7350.40A
03.7350.14A
E I
Dali Version
03.7350.40ADA
03.7350.14ADA



Beam Angle: 45°
h(m) E(lx) D(m)
1 822 0.83
2 205 1.67
3 91 2.50
4 51 3.34
5 33 4.17

Luminous flux luminaire
441 lm (EXTREME CUT OFF)

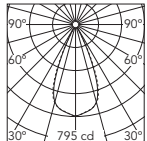
2700K
E I
03.7352.40A
03.7352.14A
E I
Dali Version
03.7352.40ADA
03.7352.14ADA



Beam Angle: 44°
h(m) E(lx) D(m)
1 929 0.80
2 232 1.60
3 103 2.40
4 58 3.19
5 37 3.99

Luminous flux luminaire
446 lm (EXTREME CUT OFF)

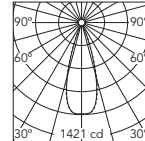
2700K
E I
03.7353.40A
03.7353.14A
E I
Dali Version
03.7353.40ADA
03.7353.14ADA



Beam Angle: 46°
h(m) E(lx) D(m)
1 795 0.84
2 199 1.69
3 88 2.53
4 50 3.38
5 32 4.22

Luminous flux luminaire
432 lm (EXTREME CUT OFF)

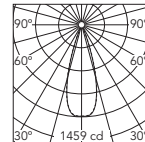
Optic Flood
3000K
E I
03.9416.40A
03.9416.14A
E I
Dali Version
03.9416.40ADA
03.9416.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1421 0.60
2 355 1.19
3 158 1.79
4 89 2.39
5 57 2.99

Luminous flux luminaire
455 lm (EXTREME CUT OFF)

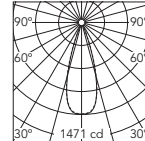
3000K
E I
03.9415.40A
03.9415.14A
E I
Dali Version
03.9415.40ADA
03.9415.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1459 0.59
2 365 1.18
3 162 1.78
4 91 2.37
5 58 2.96

Luminous flux luminaire
468 lm (EXTREME CUT OFF)

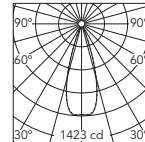
3000K
E I
03.9417.40A
03.9417.14A
E I
Dali Version
03.9417.40ADA
03.9417.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1471 0.60
2 368 1.19
3 163 1.79
4 92 2.38
5 59 2.98

Luminous flux luminaire
475 lm (EXTREME CUT OFF)

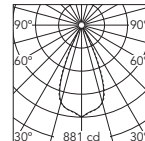
3000K
E I
03.9418.40A
03.9418.14A
E I
Dali Version
03.9418.40ADA
03.9418.14ADA



Beam Angle: 33°
h(m) E(lx) D(m)
1 1423 0.60
2 356 1.20
3 158 1.79
4 89 2.39
5 57 2.99

Luminous flux luminaire
462 lm (EXTREME CUT OFF)

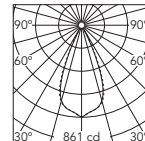
Optic Wide Flood
3000K
E I
03.7355.40A
03.7355.14A
E I
Dali Version
03.7355.40ADA
03.7355.14ADA



Beam Angle: 46°
h(m) E(lx) D(m)
1 881 0.84
2 220 1.69
3 98 2.53
4 55 3.38
5 35 4.22

Luminous flux luminaire
464 lm (EXTREME CUT OFF)

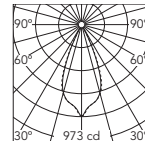
3000K
E I
03.7354.40A
03.7354.14A
E I
Dali Version
03.7354.40ADA
03.7354.14ADA



Beam Angle: 45°
h(m) E(lx) D(m)
1 861 0.83
2 215 1.67
3 96 2.50
4 54 3.34
5 34 4.17

Luminous flux luminaire
462 lm (EXTREME CUT OFF)

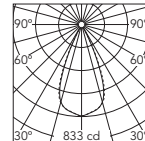
3000K
E I
03.7356.40A
03.7356.14A
E I
Dali Version
03.7356.40ADA
03.7356.14ADA



Beam Angle: 44°
h(m) E(lx) D(m)
1 973 0.80
2 243 1.60
3 108 2.40
4 61 3.19
5 39 3.99

Luminous flux luminaire
467 lm (EXTREME CUT OFF)

3000K
E I
03.7357.40A
03.7357.14A
E I
Dali Version
03.7357.40ADA
03.7357.14ADA



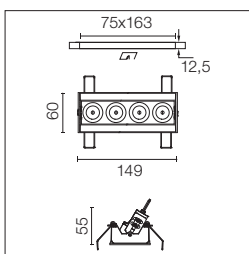
Beam Angle: 46°
h(m) E(lx) D(m)
1 833 0.84
2 208 1.69
3 93 2.53
4 52 3.38
5 33 4.22

Luminous flux luminaire
452 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Adjustable No Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



GWT 850°
 30°-30°
 DALI
 TECEE
 LED INCL
 0.34 Kg
 IP 20
 CE
 h=75 min

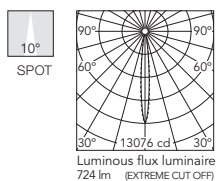
Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K
 E I 03.8925.40A
 03.8925.14A
 Dali Version
 E I 03.8925.40ADA
 03.8925.14ADA

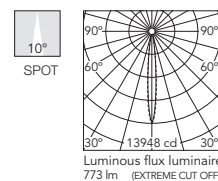


Beam Angle: 10°
h(m) E(lx) D(m)

1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

Luminous flux luminaire 724 lm (EXTREME CUT OFF)

Optic Spot 3000K
 E I 03.8929.40A
 03.8929.14A
 Dali Version
 E I 03.8929.40ADA
 03.8929.14ADA

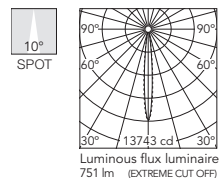


Beam Angle: 10°
h(m) E(lx) D(m)

1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

Luminous flux luminaire 773 lm (EXTREME CUT OFF)

2700K
 E I 03.8924.40A
 03.8924.14A
 Dali Version
 E I 03.8924.40ADA
 03.8924.14ADA

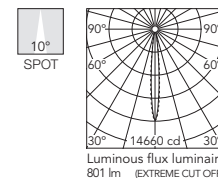


Beam Angle: 10°
h(m) E(lx) D(m)

1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

Luminous flux luminaire 751 lm (EXTREME CUT OFF)

3000K
 E I 03.8928.40A
 03.8928.14A
 Dali Version
 E I 03.8928.40ADA
 03.8928.14ADA

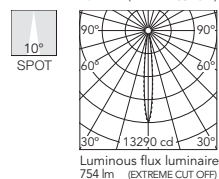


Beam Angle: 10°
h(m) E(lx) D(m)

1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

Luminous flux luminaire 801 lm (EXTREME CUT OFF)

2700K
 E I 03.8926.40A
 03.8926.14A
 Dali Version
 E I 03.8926.40ADA
 03.8926.14ADA

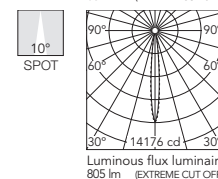


Beam Angle: 10°
h(m) E(lx) D(m)

1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

Luminous flux luminaire 754 lm (EXTREME CUT OFF)

3000K
 E I 03.8930.40A
 03.8930.14A
 Dali Version
 E I 03.8930.40ADA
 03.8930.14ADA

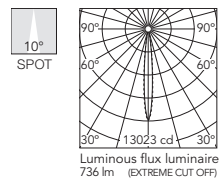


Beam Angle: 10°
h(m) E(lx) D(m)

1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

Luminous flux luminaire 805 lm (EXTREME CUT OFF)

2700K
 E I 03.8927.40A
 03.8927.14A
 Dali Version
 E I 03.8927.40ADA
 03.8927.14ADA

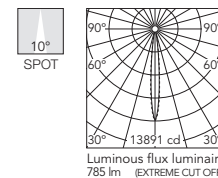


Beam Angle: 10°
h(m) E(lx) D(m)

1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

3000K
 E I 03.8931.40A
 03.8931.14A
 Dali Version
 E I 03.8931.40ADA
 03.8931.14ADA

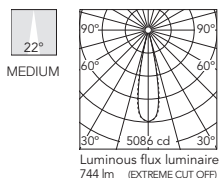


Beam Angle: 10°
h(m) E(lx) D(m)

1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

Luminous flux luminaire 785 lm (EXTREME CUT OFF)

Optic Medium 2700K
 E I 03.9421.40A
 03.9421.14A
 Dali Version
 E I 03.9421.40ADA
 03.9421.14ADA

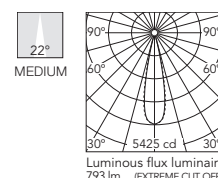


Beam Angle: 22°
h(m) E(lx) D(m)

1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

Optic Medium 3000K
 E I 03.9431.40A
 03.9431.14A
 Dali Version
 E I 03.9431.40ADA
 03.9431.14ADA

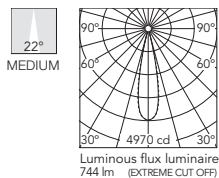


Beam Angle: 22°
h(m) E(lx) D(m)

1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K
 E I 03.9420.40A
 03.9420.14A
 Dali Version
 E I 03.9420.40ADA
 03.9420.14ADA

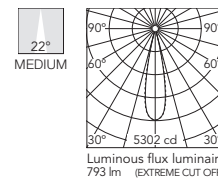


Beam Angle: 22°
h(m) E(lx) D(m)

1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

Luminous flux luminaire 744 lm (EXTREME CUT OFF)

3000K
 E I 03.9430.40A
 03.9430.14A
 Dali Version
 E I 03.9430.40ADA
 03.9430.14ADA

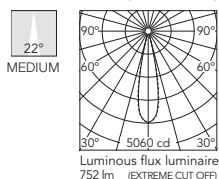


Beam Angle: 22°
h(m) E(lx) D(m)

1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

Luminous flux luminaire 793 lm (EXTREME CUT OFF)

2700K
 E I 03.9422.40A
 03.9422.14A
 Dali Version
 E I 03.9422.40ADA
 03.9422.14ADA

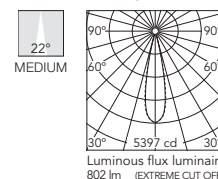


Beam Angle: 22°
h(m) E(lx) D(m)

1	5060	0.39
2	1265	0.77
3	562	1.16
4	316	1.55
5	202	1.94

Luminous flux luminaire 752 lm (EXTREME CUT OFF)

3000K
 E I 03.9432.40A
 03.9432.14A
 Dali Version
 E I 03.9432.40ADA
 03.9432.14ADA

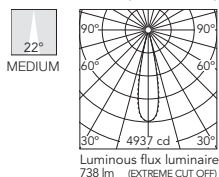


Beam Angle: 22°
h(m) E(lx) D(m)

1	5397	0.39
2	1349	0.77
3	600	1.16
4	337	1.55
5	216	1.94

Luminous flux luminaire 802 lm (EXTREME CUT OFF)

2700K
 E I 03.9423.40A
 03.9423.14A
 Dali Version
 E I 03.9423.40ADA
 03.9423.14ADA

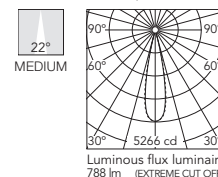


Beam Angle: 22°
h(m) E(lx) D(m)

1	4937	0.39
2	1234	0.78
3	549	1.17
4	309	1.56
5	197	1.95

Luminous flux luminaire 738 lm (EXTREME CUT OFF)

3000K
 E I 03.9433.40A
 03.9433.14A
 Dali Version
 E I 03.9433.40ADA
 03.9433.14ADA



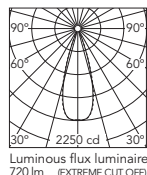
Beam Angle: 22°
h(m) E(lx) D(m)

1	5266	0.39
2	1316	0.78
3	585	1.17
4	329	1.56
5	211	1.95

Luminous flux luminaire 788 lm (EXTREME CUT OFF)

LIGHT SHADOW

Optic Flood 2700K
 E I
 03.9426.40A
 03.9426.14A
 E I
 Dali Version
 03.9426.40ADA
 03.9426.14ADA

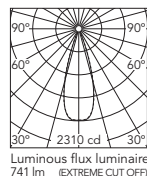


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire 720 lm (EXTREME CUT OFF)

2700K
 E I
 03.9425.40A
 03.9425.14A
 E I
 Dali Version
 03.9425.40ADA
 03.9425.14ADA

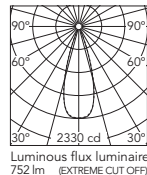


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2310	0.59
2	577	1.18
3	257	1.78
4	144	2.37
5	92	2.96

Luminous flux luminaire 741 lm (EXTREME CUT OFF)

2700K
 E I
 03.9427.40A
 03.9427.14A
 E I
 Dali Version
 03.9427.40ADA
 03.9427.14ADA

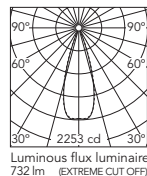


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2330	0.60
2	582	1.19
3	259	1.79
4	146	2.38
5	93	2.98

Luminous flux luminaire 752 lm (EXTREME CUT OFF)

2700K
 E I
 03.9428.40A
 03.9428.14A
 E I
 Dali Version
 03.9428.40ADA
 03.9428.14ADA

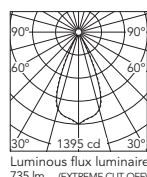


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2253	0.60
2	563	1.20
3	250	1.79
4	141	2.39
5	90	2.99

Luminous flux luminaire 732 lm (EXTREME CUT OFF)

Optic Wide Flood 2700K
 E I
 03.7359.40A
 03.7359.14A
 E I
 Dali Version
 03.7359.40ADA
 03.7359.14ADA

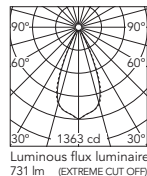


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Luminous flux luminaire 735 lm (EXTREME CUT OFF)

2700K
 E I
 03.7358.40A
 03.7358.14A
 E I
 Dali Version
 03.7358.40ADA
 03.7358.14ADA

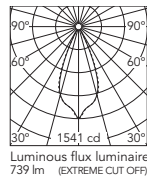


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

Luminous flux luminaire 731 lm (EXTREME CUT OFF)

2700K
 E I
 03.7360.40A
 03.7360.14A
 E I
 Dali Version
 03.7360.40ADA
 03.7360.14ADA

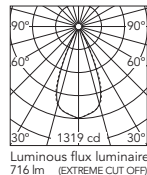


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1541	0.80
2	385	1.60
3	171	2.40
4	96	3.19
5	62	3.99

Luminous flux luminaire 739 lm (EXTREME CUT OFF)

2700K
 E I
 03.7361.40A
 03.7361.14A
 E I
 Dali Version
 03.7361.40ADA
 03.7361.14ADA

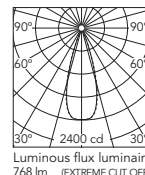


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1319	0.84
2	330	1.69
3	147	2.53
4	82	3.38
5	53	4.22

Luminous flux luminaire 716 lm (EXTREME CUT OFF)

Optic Flood 3000K
 E I
 03.9436.40A
 03.9436.14A
 E I
 Dali Version
 03.9436.40ADA
 03.9436.14ADA

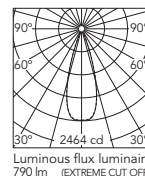


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire 768 lm (EXTREME CUT OFF)

3000K
 E I
 03.9435.40A
 03.9435.14A
 E I
 Dali Version
 03.9435.40ADA
 03.9435.14ADA

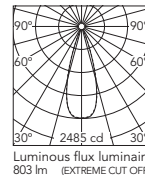


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2464	0.59
2	616	1.18
3	274	1.78
4	154	2.37
5	99	2.96

Luminous flux luminaire 790 lm (EXTREME CUT OFF)

3000K
 E I
 03.9437.40A
 03.9437.14A
 E I
 Dali Version
 03.9437.40ADA
 03.9437.14ADA

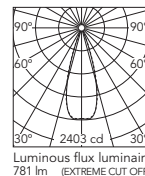


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2485	0.60
2	621	1.19
3	276	1.79
4	155	2.38
5	99	2.98

Luminous flux luminaire 803 lm (EXTREME CUT OFF)

3000K
 E I
 03.9438.40A
 03.9438.14A
 E I
 Dali Version
 03.9438.40ADA
 03.9438.14ADA

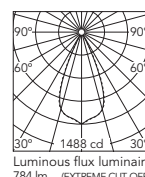


Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2403	0.60
2	601	1.20
3	267	1.79
4	150	2.39
5	96	2.99

Luminous flux luminaire 781 lm (EXTREME CUT OFF)

Optic Wide Flood 3000K
 E I
 03.7363.40A
 03.7363.14A
 E I
 Dali Version
 03.7363.40ADA
 03.7363.14ADA

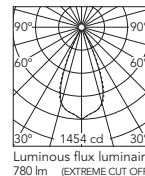


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

Luminous flux luminaire 784 lm (EXTREME CUT OFF)

3000K
 E I
 03.7362.40A
 03.7362.14A
 E I
 Dali Version
 03.7362.40ADA
 03.7362.14ADA

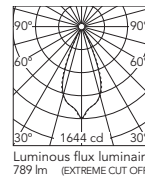


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

Luminous flux luminaire 780 lm (EXTREME CUT OFF)

3000K
 E I
 03.7364.40A
 03.7364.14A
 E I
 Dali Version
 03.7364.40ADA
 03.7364.14ADA

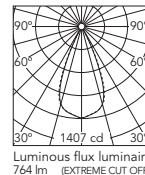


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1644	0.80
2	411	1.60
3	183	2.40
4	103	3.19
5	66	3.99

Luminous flux luminaire 789 lm (EXTREME CUT OFF)

3000K
 E I
 03.7365.40A
 03.7365.14A
 E I
 Dali Version
 03.7365.40ADA
 03.7365.14ADA



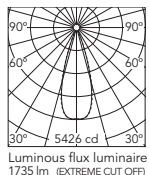
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1407	0.84
2	352	1.69
3	156	2.53
4	88	3.38
5	56	4.22

Luminous flux luminaire 764 lm (EXTREME CUT OFF)

LIGHT SHADOW

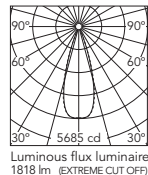
Optic Flood 2700K
E I 03.9446.40A
03.9446.14A
E I Dali Version
03.9446.40ADA
03.9446.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5426 0.60	
2	1357 1.19	
3	603 1.79	
4	339 2.39	
5	217 2.99	

Luminous flux luminaire
1735 lm (EXTREME CUT OFF)

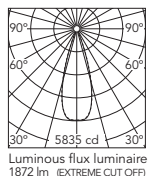
Optic Flood 3000K
E I 03.9456.40A
03.9456.14A
E I Dali Version
03.9456.40ADA
03.9456.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5685 0.60	
2	1421 1.19	
3	632 1.79	
4	355 2.39	
5	227 2.99	

Luminous flux luminaire
1818 lm (EXTREME CUT OFF)

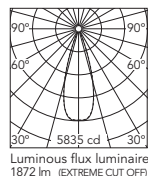
2700K
E I 03.9445.40A
03.9445.14A
E I Dali Version
03.9445.40ADA
03.9445.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5835 0.59	
2	1459 1.18	
3	648 1.78	
4	365 2.37	
5	233 2.96	

Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

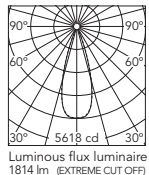
3000K
E I 03.9455.40A
03.9455.14A
E I Dali Version
03.9455.40ADA
03.9455.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5835 0.59	
2	1459 1.18	
3	648 1.78	
4	365 2.37	
5	233 2.96	

Luminous flux luminaire
1872 lm (EXTREME CUT OFF)

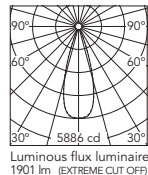
2700K
E I 03.9447.40A
03.9447.14A
E I Dali Version
03.9447.40ADA
03.9447.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5618 0.60	
2	1405 1.19	
3	624 1.79	
4	351 2.38	
5	225 2.98	

Luminous flux luminaire
1814 lm (EXTREME CUT OFF)

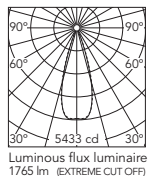
3000K
E I 03.9457.40A
03.9457.14A
E I Dali Version
03.9457.40ADA
03.9457.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5886 0.60	
2	1472 1.19	
3	654 1.79	
4	368 2.38	
5	235 2.98	

Luminous flux luminaire
1901 lm (EXTREME CUT OFF)

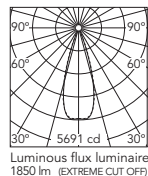
2700K
E I 03.9448.40A
03.9448.14A
E I Dali Version
03.9448.40ADA
03.9448.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5433 0.60	
2	1358 1.20	
3	604 1.79	
4	340 2.39	
5	217 2.99	

Luminous flux luminaire
1765 lm (EXTREME CUT OFF)

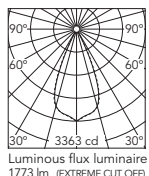
3000K
E I 03.9458.40A
03.9458.14A
E I Dali Version
03.9458.40ADA
03.9458.14ADA



Beam Angle: 33°		
h(m)	E(lx)	D(m)
1	5691 0.60	
2	1423 1.20	
3	632 1.79	
4	356 2.39	
5	228 2.99	

Luminous flux luminaire
1850 lm (EXTREME CUT OFF)

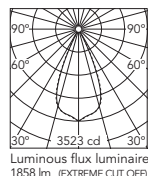
Optic Wide Flood 2700K
E I 03.7367.40A
03.7367.14A
E I Dali Version
03.7367.40ADA
03.7367.14ADA



Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	3363 0.84	
2	841 1.69	
3	374 2.53	
4	210 3.38	
5	135 4.22	

Luminous flux luminaire
1773 lm (EXTREME CUT OFF)

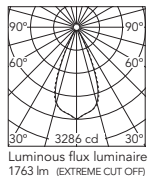
Optic Wide Flood 3000K
E I 03.7371.40A
03.7371.14A
E I Dali Version
03.7371.40ADA
03.7371.14ADA



Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	3523 0.84	
2	881 1.69	
3	391 2.53	
4	220 3.38	
5	141 4.22	

Luminous flux luminaire
1858 lm (EXTREME CUT OFF)

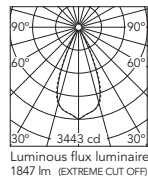
2700K
E I 03.7366.40A
03.7366.14A
E I Dali Version
03.7366.40ADA
03.7366.14ADA



Beam Angle: 45°		
h(m)	E(lx)	D(m)
1	3286 0.83	
2	822 1.67	
3	365 2.50	
4	205 3.34	
5	131 4.17	

Luminous flux luminaire
1763 lm (EXTREME CUT OFF)

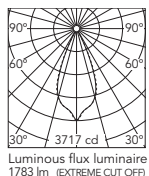
3000K
E I 03.7370.40A
03.7370.14A
E I Dali Version
03.7370.40ADA
03.7370.14ADA



Beam Angle: 45°		
h(m)	E(lx)	D(m)
1	3443 0.83	
2	861 1.67	
3	383 2.50	
4	215 3.34	
5	138 4.17	

Luminous flux luminaire
1847 lm (EXTREME CUT OFF)

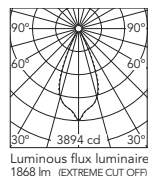
2700K
E I 03.7368.40A
03.7368.14A
E I Dali Version
03.7368.40ADA
03.7368.14ADA



Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3717 0.80	
2	929 1.60	
3	413 2.40	
4	232 3.19	
5	149 3.99	

Luminous flux luminaire
1783 lm (EXTREME CUT OFF)

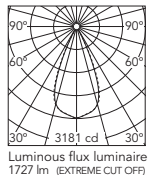
3000K
E I 03.7372.40A
03.7372.14A
E I Dali Version
03.7372.40ADA
03.7372.14ADA



Beam Angle: 44°		
h(m)	E(lx)	D(m)
1	3894 0.80	
2	973 1.60	
3	433 2.40	
4	243 3.19	
5	156 3.99	

Luminous flux luminaire
1868 lm (EXTREME CUT OFF)

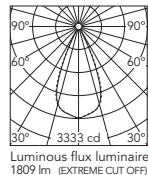
2700K
E I 03.7369.40A
03.7369.14A
E I Dali Version
03.7369.40ADA
03.7369.14ADA



Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	3181 0.84	
2	795 1.69	
3	353 2.53	
4	199 3.38	
5	127 4.22	

Luminous flux luminaire
1727 lm (EXTREME CUT OFF)

3000K
E I 03.7373.40A
03.7373.14A
E I Dali Version
03.7373.40ADA
03.7373.14ADA



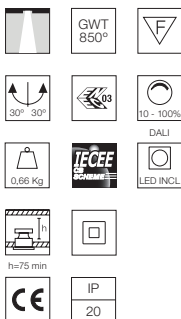
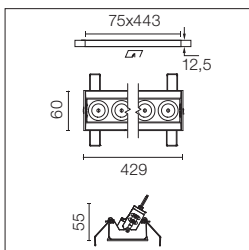
Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	3333 0.84	
2	833 1.69	
3	370 2.53	
4	208 3.38	
5	133 4.22	

Luminous flux luminaire
1809 lm (EXTREME CUT OFF)

LIGHT SHADOW

Light Shadow Adjustable No Trim 12 Spots

Light Source: Power LED 32,4W - 3240 lm - 2700K/CRI 90 / 32,4W - 3420 lm - 3000K/CRI 90



Recessed integrated luminaire with 12 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately.

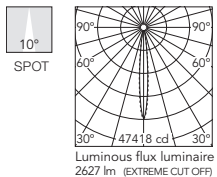
E= External Finish
I= Internal Finish

Luminaria empotrable de 12 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado.

E= Acabado Externo
I= Acabado Interno

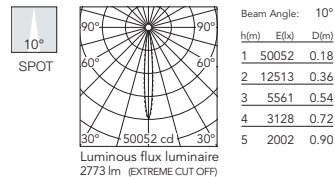
Optic Spot 2700K

- 03.8941.40A
- 03.8941.14A
- Dali & Push Version
- 03.8941.40ADA
- 03.8941.14ADA

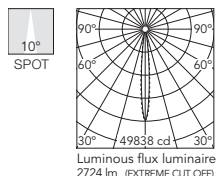


Optic Spot 3000K

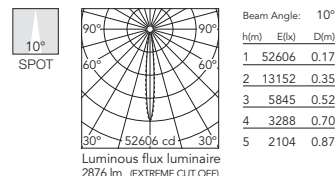
- 03.8945.40A
- 03.8945.14A
- Dali & Push Version
- 03.8945.40ADA
- 03.8945.14ADA



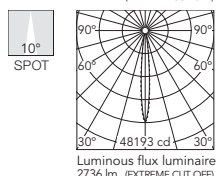
- 2700K**
- 03.8940.40A
- 03.8940.14A
- Dali & Push Version
- 03.8940.40ADA
- 03.8940.14ADA



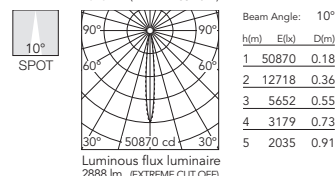
- 3000K**
- 03.8944.40A
- 03.8944.14A
- Dali & Push Version
- 03.8944.40ADA
- 03.8944.14ADA



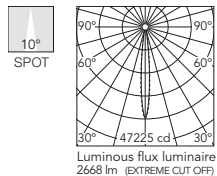
- 2700K**
- 03.8942.40A
- 03.8942.14A
- Dali & Push Version
- 03.8942.40ADA
- 03.8942.14ADA



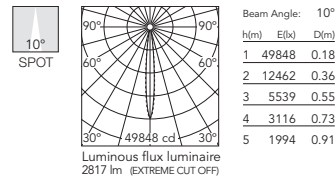
- 3000K**
- 03.8946.40A
- 03.8946.14A
- Dali & Push Version
- 03.8946.40ADA
- 03.8946.14ADA



- 2700K**
- 03.8943.40A
- 03.8943.14A
- Dali & Push Version
- 03.8943.40ADA
- 03.8943.14ADA

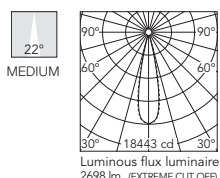


- 3000K**
- 03.8947.40A
- 03.8947.14A
- Dali & Push Version
- 03.8947.40ADA
- 03.8947.14ADA



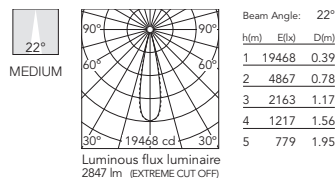
Optic Medium 2700K

- 03.9461.40A
- 03.9461.14A
- Dali & Push Version
- 03.9461.40ADA
- 03.9461.14ADA

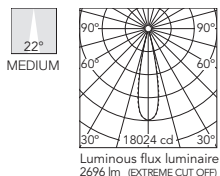


Optic Medium 3000K

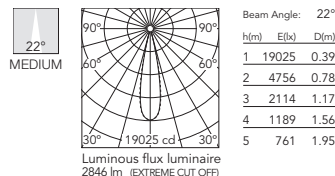
- 03.9471.40A
- 03.9471.14A
- Dali & Push Version
- 03.9471.40ADA
- 03.9471.14ADA



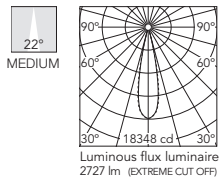
- 2700K**
- 03.9460.40A
- 03.9460.14A
- Dali & Push Version
- 03.9460.40ADA
- 03.9460.14ADA



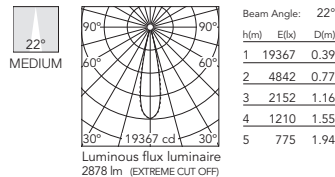
- 3000K**
- 03.9470.40A
- 03.9470.14A
- Dali & Push Version
- 03.9470.40ADA
- 03.9470.14ADA



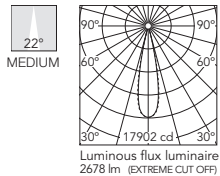
- 2700K**
- 03.9462.40A
- 03.9462.14A
- Dali & Push Version
- 03.9462.40ADA
- 03.9462.14ADA



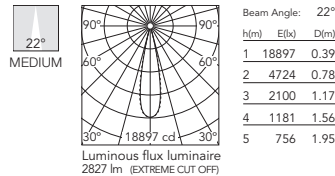
- 3000K**
- 03.9472.40A
- 03.9472.14A
- Dali & Push Version
- 03.9472.40ADA
- 03.9472.14ADA



- 2700K**
- 03.9463.40A
- 03.9463.14A
- Dali & Push Version
- 03.9463.40ADA
- 03.9463.14ADA



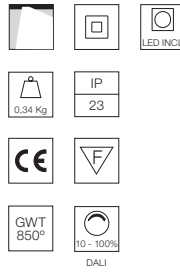
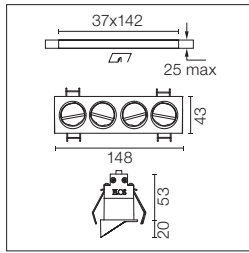
- 3000K**
- 03.9473.40A
- 03.9473.14A
- Dali & Push Version
- 03.9473.40ADA
- 03.9473.14ADA



LIGHT SHADOW WALL-WASHER

Light Shadow Wall-Washer Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90

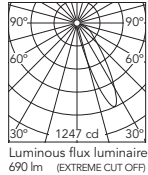


Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). Pre-installation frame not required.

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación no necesario.

2700K

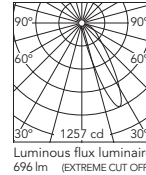
- 03.9901.40A
- 03.9901.14A
- Dali Version
- 03.9901.40ADA
- 03.9901.14ADA



Beam Angle: 22°			
h(m)	E(lx)	D(m)	
1	1247	0.50	
2	312	0.99	
3	139	1.49	
4	78	1.99	
5	50	2.48	

3000K

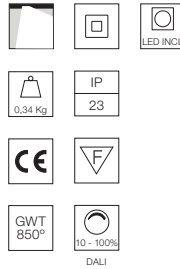
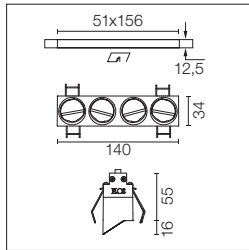
- 03.9900.40A
- 03.9900.14A
- Dali Version
- 03.9900.40ADA
- 03.9900.14ADA



Beam Angle: 22°			
h(m)	E(lx)	D(m)	
1	1257	0.50	
2	314	0.99	
3	140	1.49	
4	79	1.99	
5	50	2.48	

Light Shadow Wall-Washer No Trim 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90

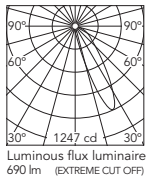


Recessed integrated luminaire with 4 LED lighting spots. Remote power supply included (220-240V). It requires a pre-installation frame, to be ordered separately (08.0511.00).

Luminaria empotrable de 4 focos LED. Fuente de alimentación remota incluida (220-240V). Marco de pre-instalación necesario, ha de pedirse por separado (08.0511.00).

2700K

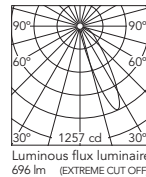
- 03.9903.40A
- 03.9903.14A
- Dali Version
- 03.9903.40ADA
- 03.9903.14ADA



Beam Angle: 22°			
h(m)	E(lx)	D(m)	
1	1247	0.50	
2	312	0.99	
3	139	1.49	
4	78	1.99	
5	50	2.48	

3000K

- 03.9902.40A
- 03.9902.14A
- Dali Version
- 03.9902.40ADA
- 03.9902.14ADA



Beam Angle: 22°			
h(m)	E(lx)	D(m)	
1	1257	0.50	
2	314	0.99	
3	140	1.49	
4	79	1.99	
5	50	2.48	

LIGHT SHADOW

Accessories / Accesorios

Light Shadow Fixed No Trim

Pre-installation frame. 2L
Marco de pre-instalación. 08.0510.00



Pre-installation frame. 4L
Marco de pre-instalación. 08.0511.00



Pre-installation frame. 8L
Marco de pre-instalación. 08.0512.00



Pre-installation frame. 12L
Marco de pre-instalación. 08.0513.00



Accessory for mounting of No Trim continuous line. 08.0052.90
Each accessory allows connection between two No Trim pre-installation frames.



Accesorio para montaje de la línea continua No Trim.
Cada accesorio permite conectar dos marcos No Trim para la instalación previa.

Light Shadow Adjustable No Trim

Pre-installation frame. 2L
Marco de pre-instalación. 08.0515.00



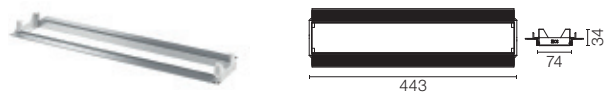
Pre-installation frame. 4L
Marco de pre-instalación. 08.0516.00



Pre-installation frame. 8L
Marco de pre-instalación. 08.0517.00



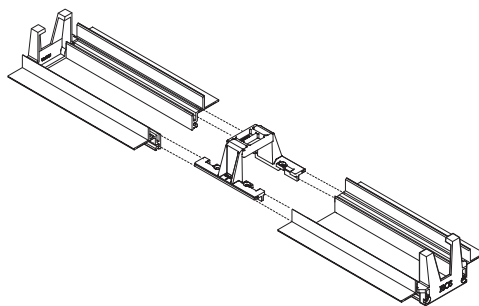
Pre-installation frame. 12L
Marco de pre-instalación. 08.0518.00



Accessory for mounting of No Trim continuous line. 08.0059.90
Each accessory allows connection between two No Trim pre-installation frames.



Accesorio para montaje de la línea continua No Trim.
Cada accesorio permite conectar dos marcos No Trim para la instalación previa.

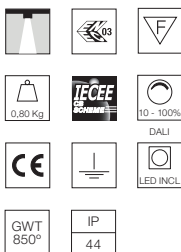
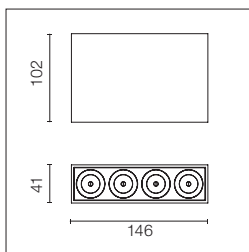


Interconnection information to build a continuous line / Detalle de interconexión para construir una línea continua

LIGHT SHADOW

Light Shadow Surface 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

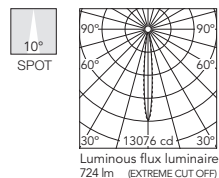
E= External Finish
I= Internal Finish
B= Box Finish

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Spot 2700K

B E I

- 03.8957.40A
- 03.8957.14A
- 03.8965.40A
- 03.8965.14A
- Dali Version
- 03.8957.40ADA
- 03.8957.14ADA
- 03.8965.40ADA
- 03.8965.14ADA

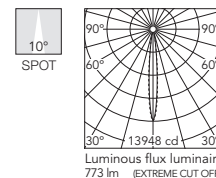


h(m)	E(lx)	D(m)
1	13076	0.18
2	3269	0.36
3	1453	0.54
4	817	0.72
5	523	0.90

Optic Spot 3000K

B E I

- 03.8961.40A
- 03.8961.14A
- 03.8969.40A
- 03.8969.14A
- Dali Version
- 03.8961.40ADA
- 03.8961.14ADA
- 03.8969.40ADA
- 03.8969.14ADA

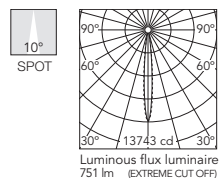


h(m)	E(lx)	D(m)
1	13948	0.18
2	3487	0.36
3	1550	0.54
4	872	0.72
5	558	0.90

2700K

B E I

- 03.8956.40A
- 03.8956.14A
- 03.8964.40A
- 03.8964.14A
- Dali Version
- 03.8956.40ADA
- 03.8956.14ADA
- 03.8964.40ADA
- 03.8964.14ADA

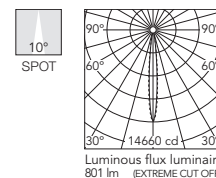


h(m)	E(lx)	D(m)
1	13743	0.17
2	3436	0.35
3	1527	0.52
4	859	0.70
5	550	0.87

3000K

B E I

- 03.8960.40A
- 03.8960.14A
- 03.8968.40A
- 03.8968.14A
- Dali Version
- 03.8960.40ADA
- 03.8960.14ADA
- 03.8968.40ADA
- 03.8968.14ADA

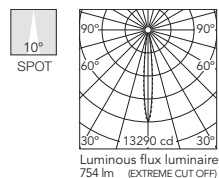


h(m)	E(lx)	D(m)
1	14660	0.17
2	3665	0.35
3	1629	0.52
4	916	0.70
5	586	0.87

2700K

B E I

- 03.8958.40A
- 03.8958.14A
- 03.8966.40A
- 03.8966.14A
- Dali Version
- 03.8958.40ADA
- 03.8958.14ADA
- 03.8966.40ADA
- 03.8966.14ADA

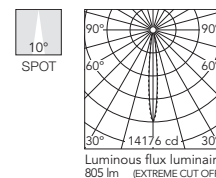


h(m)	E(lx)	D(m)
1	13290	0.18
2	3322	0.36
3	1477	0.55
4	831	0.73
5	532	0.91

3000K

B E I

- 03.8962.40A
- 03.8962.14A
- 03.8970.40A
- 03.8970.14A
- Dali Version
- 03.8962.40ADA
- 03.8962.14ADA
- 03.8970.40ADA
- 03.8970.14ADA

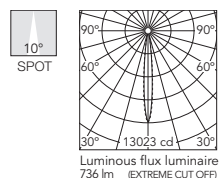


h(m)	E(lx)	D(m)
1	14176	0.18
2	3544	0.36
3	1575	0.55
4	886	0.73
5	567	0.91

2700K

B E I

- 03.8959.40A
- 03.8959.14A
- 03.8967.40A
- 03.8967.14A
- Dali Version
- 03.8959.40ADA
- 03.8959.14ADA
- 03.8967.40ADA
- 03.8967.14ADA

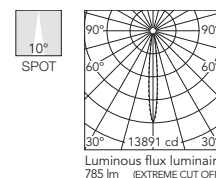


h(m)	E(lx)	D(m)
1	13023	0.18
2	3256	0.36
3	1447	0.55
4	814	0.73
5	521	0.91

3000K

B E I

- 03.8963.40A
- 03.8963.14A
- 03.8971.40A
- 03.8971.14A
- Dali Version
- 03.8963.40ADA
- 03.8963.14ADA
- 03.8971.40ADA
- 03.8971.14ADA

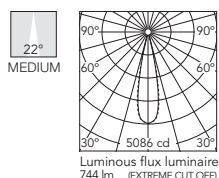


h(m)	E(lx)	D(m)
1	13891	0.18
2	3473	0.36
3	1543	0.55
4	868	0.73
5	556	0.91

Optic Medium 2700K

B E I

- 03.9721.40A
- 03.9721.14A
- 03.9821.40A
- 03.9821.14A
- Dali Version
- 03.9721.40ADA
- 03.9721.14ADA
- 03.9821.40ADA
- 03.9821.14ADA

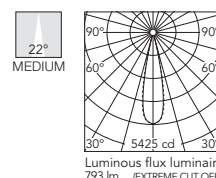


h(m)	E(lx)	D(m)
1	5086	0.39
2	1272	0.78
3	565	1.17
4	318	1.56
5	203	1.95

Optic Medium 3000K

B E I

- 03.9731.40A
- 03.9731.14A
- 03.9831.40A
- 03.9831.14A
- Dali Version
- 03.9731.40ADA
- 03.9731.14ADA
- 03.9831.40ADA
- 03.9831.14ADA

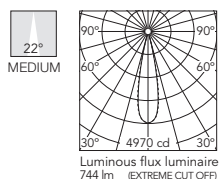


h(m)	E(lx)	D(m)
1	5425	0.39
2	1356	0.78
3	603	1.17
4	339	1.56
5	217	1.95

2700K

B E I

- 03.9720.40A
- 03.9720.14A
- 03.9820.40A
- 03.9820.14A
- Dali Version
- 03.9720.40ADA
- 03.9720.14ADA
- 03.9820.40ADA
- 03.9820.14ADA

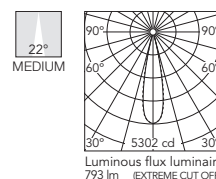


h(m)	E(lx)	D(m)
1	4970	0.39
2	1243	0.78
3	552	1.17
4	311	1.56
5	199	1.95

3000K

B E I

- 03.9730.40A
- 03.9730.14A
- 03.9830.40A
- 03.9830.14A
- Dali Version
- 03.9730.40ADA
- 03.9730.14ADA
- 03.9830.40ADA
- 03.9830.14ADA

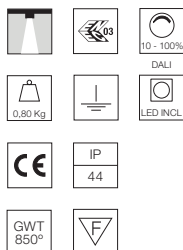
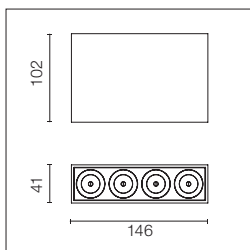


h(m)	E(lx)	D(m)
1	5302	0.39
2	1325	0.78
3	589	1.17
4	331	1.56
5	212	1.95

LIGHT SHADOW

Light Shadow Surface 4 Spots

Light Source: Power LED 10,8W - 1080 lm - 2700K/CRI 90 / 10,8W - 1140lm - 3000K/CRI 90



Surface luminaire with 4 LED lighting spots. Power source 220-240V incorporated.

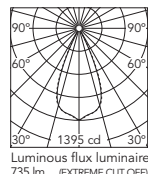
Luminaria de superficie de 4 focos LED. Fuente de alimentación 220-240V integrada.

E= External Finish
I= Internal Finish
B= Box Finish

E= Acabado Externo
I= Acabado Interno
B= Acabado Box

Optic Wide Flood 2700K

- B E I
03.9761.40A
03.9761.14A
03.9861.40A
03.9861.14A
Dali Version
03.9761.40ADA
03.9761.14ADA
03.9861.40ADA
03.9861.14ADA

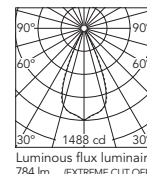


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Optic Wide Flood 3000K

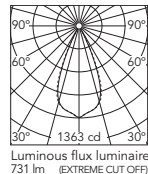
- B E I
03.9765.40A
03.9765.14A
03.9865.40A
03.9865.14A
Dali Version
03.9765.40ADA
03.9765.14ADA
03.9865.40ADA
03.9865.14ADA



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

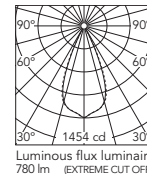
- B E I **2700K**
03.9760.40A
03.9760.14A
03.9860.40A
03.9860.14A
Dali Version
03.9760.40ADA
03.9760.14ADA
03.9860.40ADA
03.9860.14ADA



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1363	0.83
2	341	1.67
3	151	2.50
4	85	3.34
5	55	4.17

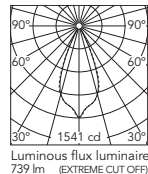
- B E I **3000K**
03.9764.40A
03.9764.14A
03.9864.40A
03.9864.14A
Dali Version
03.9764.40ADA
03.9764.14ADA
03.9864.40ADA
03.9864.14ADA



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1454	0.83
2	363	1.67
3	162	2.50
4	91	3.34
5	58	4.17

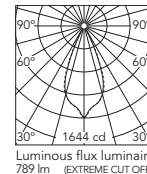
- B E I **2700K**
03.9762.40A
03.9762.14A
03.9862.40A
03.9862.14A
Dali Version
03.9762.40ADA
03.9762.14ADA
03.9862.40ADA
03.9862.14ADA



Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1541	0.80
2	385	1.60
3	171	2.40
4	96	3.19
5	62	3.99

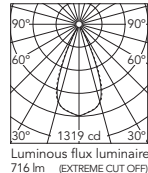
- B E I **3000K**
03.9766.40A
03.9766.14A
03.9866.40A
03.9866.14A
Dali Version
03.9766.40ADA
03.9766.14ADA
03.9866.40ADA
03.9866.14ADA



Beam Angle: 44°

h(m)	E(lx)	D(m)
1	1644	0.80
2	411	1.60
3	183	2.40
4	103	3.19
5	66	3.99

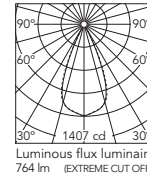
- B E I **2700K**
03.9763.40A
03.9763.14A
03.9863.40A
03.9863.14A
Dali Version
03.9763.40ADA
03.9763.14ADA
03.9863.40ADA
03.9863.14ADA



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1319	0.84
2	330	1.69
3	147	2.53
4	82	3.38
5	53	4.22

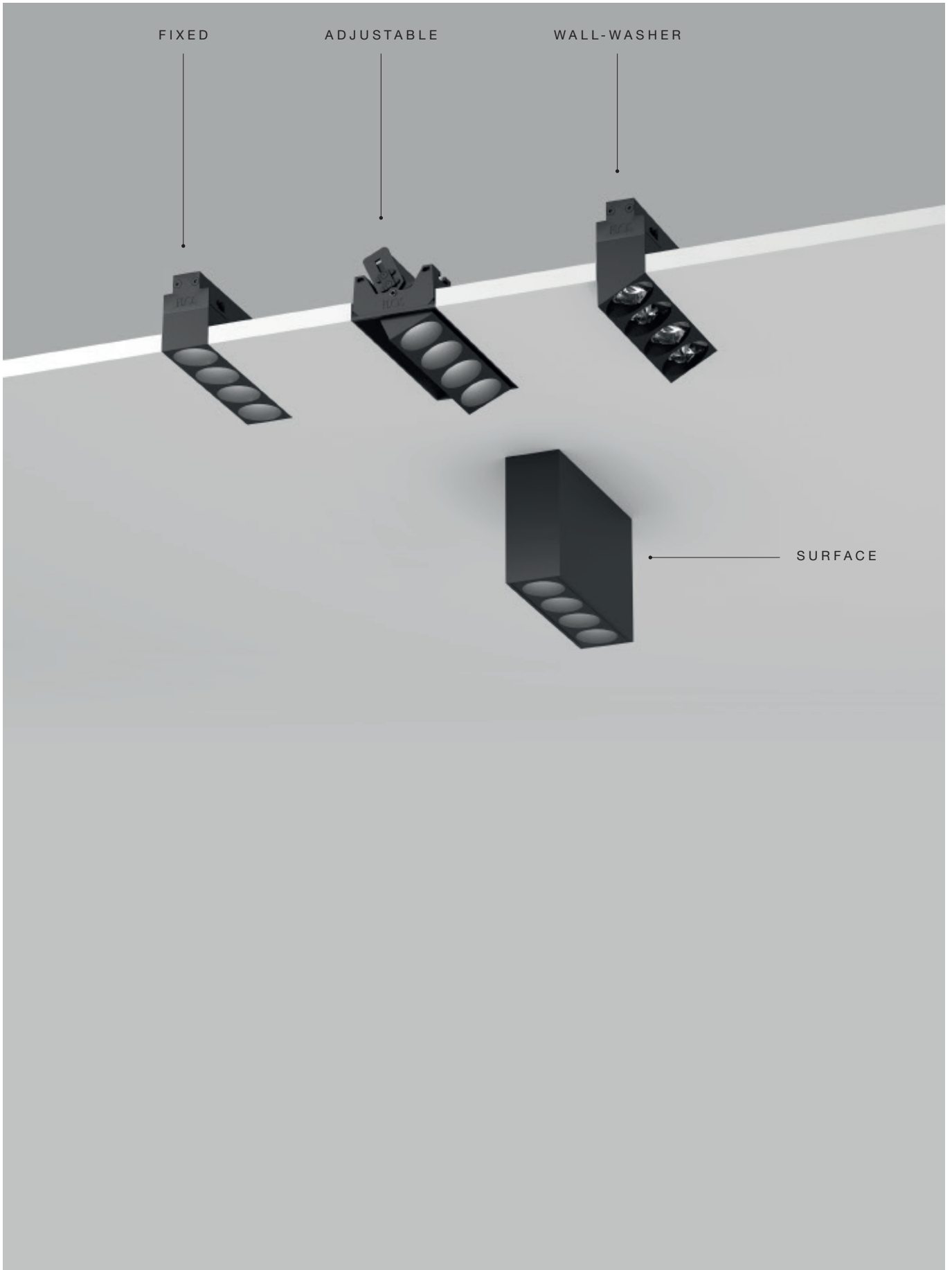
- B E I **3000K**
03.9767.40A
03.9767.14A
03.9867.40A
03.9867.14A
Dali Version
03.9767.40ADA
03.9767.14ADA
03.9867.40ADA
03.9867.14ADA



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1407	0.84
2	352	1.69
3	156	2.53
4	88	3.38
5	56	4.22

LIGHT SHADOW



LIGHT SHADOW PRO&DOTS

DESIGNED BY FLOS ARCHITECTURAL

DOTS Ø30
FIXED

LIGHT SOURCE
POWER LED
3W
270 lm
2700K/CRI 90
285 lm
3000K/CRI 90

PRO Ø60
FIXED

LIGHT SOURCE
LED ARRAY
Up to 15W
1325 lm
2700K/CRI 90
1427 lm
3000K/CRI 90
1515 lm
4000K/CRI 90

PRO Ø60
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
10,5W
1035 lm
2700K/CRI 90
1115 lm
3000K/CRI 90
1185 lm
4000K/CRI 90

PRO Ø90
FIXED

LIGHT SOURCE
LED ARRAY
Up to 22W
2324 lm
2700K/CRI 90
2419 lm
3000K/CRI 90
2520 lm
4000K/CRI 90

PRO Ø90
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
Up to 18W
1590 lm
2700K/CRI 90
1710 lm
3000K/CRI 90
1815 lm
4000K/CRI 90

HIGH COMFORT

■ 14 Black
■ 14 Negro



□ 40 White
□ 40 Blanco



■ 06 Chrome
■ 06 Cromo



■ GL Matt Gold
■ GL Oro Mate



Description

Recessed indoor luminaires. The natural evolution of Light Shadow, now available in Dots and Pro versions.

Due to their main qualities (reduced size, high performance and great screening), they facilitate total integration into spaces.

The family was born of the need for a compact, easy to- install luminaire, with the distinctive Flos style, able to produce high efficiency lighting, while respecting the highest standards of visual comfort, in versions with black screening bodies.

The new Pro versions are the result of a careful optical research. Dual focus lens specifically developed by FLOS for these products. Ensures maximum optical control and exceptionally even light beams. Light Shadow Pro takes advantage of an innovative micro-textured silicone lens that allows extreme control as well as providing absolute efficiency, heat resistance and maximum quality in light distribution. It incorporates an LED Array with an innovative light projection treatment that allows very narrow optics and general lighting. Integrated full cut-off.

The optical kit available includes 5 differentiated beam openings, each developed for a specific target application. Whether it's intensive beams or diffused light effects, optical control is always exceptional and fall-off is totally absent.

Optical system

- Light Shadow Dots 1/2/4 spots: Spot, Medium, Flood, Wide Flood. 2700K, 3000K.

- Light Shadow Pro Ø60 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.

- Light Shadow Pro Ø90 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.

The family is offered with super narrow, accent and general lighting optics.

As a solution dedicated to more decorative settings, the following range of colours has been developed for the interior of the luminaire: white, matte gold, chrome and black (high comfort optics).

The black finish brings maximum visual comfort, avoids glare and totally hides the LED source from direct view.

Power Supply

Remote equipment not included.

Dimmable version available with 1-10V, DALI and Casambi.

For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version.

For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is necessary (available in the Apple Store and Google Play).

110V units available on request.

Accessories

The pre-installation frame made of plastic material is always required for installation in false ceiling, to be ordered separately.

The Pro version is available in the Trim and No Trim versions.

The Dots version is only available in the No Trim version.

The installation frame must be ordered separately and remote access to the driver is necessary in some cases. To use only one driver for various spots, connect the spots in series. The driver should be connected directly to the recessed frames in the Dots version.

Additional Information

Installation frames are designed for installation on ceilings up to 25mm of thickness.

IP20, IP23, IP54 protection grade depending on the versions.

Insulation class III.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias de interior, empotrables. Son la evolución natural de Light Shadow, ahora en versiones Dots y Pro. Gracias a sus cualidades principales: tamaños reducidos, rendimiento y gran apantallamiento, facilitan su total integración arquitectónica en multitud de espacios.

La familia nace de la necesidad de una luminaria completamente oculta, compacta y de fácil instalación, con el estilo distintivo de Flos, capaz de producir una iluminación de alta eficiencia y respetando a su vez los más altos estándares de confort visual, en especial en versiones con cuerpos de apantallamiento negros.

Las nuevas versiones Pro son el resultado de una cuidadosa investigación óptica. Lente de doble foco desarrollada por FLOS específicamente para estos productos. Garantiza el máximo control óptico y una homogeneidad excepcional del haz de luz. Light Shadow Pro aprovecha los beneficios de una innovadora lente de silicona micro-texturizada que permite un control extremo además de proporcionar una eficiencia absoluta, resistencia al calor y máxima calidad en la distribución de la luz. Incorpora un LED Array con un tratamiento de su proyección de luz innovador que permite ópticas muy estrechas y de iluminación general. Atenuador de "cut-off" completo integrado.

El kit óptico disponible incluye 5 aberturas de haz diferenciadas, cada una desarrollada para una aplicación especial. Tanto si se trata de haces intensivos o efectos de luz difusa, el control óptico siempre es excepcional y la luz espuria está totalmente ausente.

Sistema óptico

- Light Shadow Dots 1/2/4 spots: Spot, Medium, Flood, Wide Flood. 2700K, 3000K.

- Light Shadow Pro Ø60 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.

- Light Shadow Pro Ø90 Super Spot, Spot, Medium, Flood, Wide Flood. 2700K, 3000K, 4000K.

La familia se ofrece con ópticas de súper acento, acento e iluminación general.

Para dar soluciones en ambientes más decorativos se ha desarrollado la siguiente gama de colores con diferentes acabados interiores: blanco, oro mate, cromo y negro.

El acabado negro proporciona el mayor nivel de confort óptico, minimizando el deslumbramiento y el ángulo en el que el LED es visible directamente.

Unidades de Alimentación

Equipo remoto no incluido, pedir por separado según las recomendaciones.

Versiones regulables disponibles vía 1-10V, Dali y Casambi.

Para gestión mediante Casambi (Máximo 200 luminarias) es necesario descargar la app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Versiones con equipo 110V disponibles bajo pedido.

Accesorios

Siempre es necesario el marco de preinstalación realizado en material plástico para su instalación en falso techo, pedir por separado.

La versión Pro está disponible en versiones Trim y No Trim.

La versión Dots solo está disponible en versión No Trim.

El marco de instalación ha de pedirse por separado y en algunos casos necesita acceso remoto al driver. Para usar un solo driver para varios spots, realizar conexión en serie. El driver se debe conectar directamente a los marcos de empotramiento en la versión Dots.

Información Adicional

Los marcos se han diseñado para una instalación en techos de un espesor de hasta 25 mm.

Índice de protección IP20, IP23, IP54, según las versiones.

Clase de aislamiento III.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

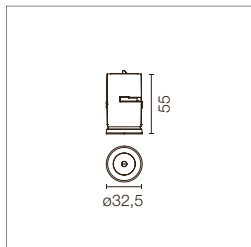
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FLOS
CONTROL BY CASAMBI



Light Shadow DOTS Ø30 - Single Spot Module

Light Source: Power LED 3W - 270 lm - 2700K/CRI 90 / 3W - 285 lm - 3000K/CRI 90



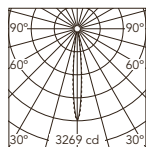
LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Available in one-light versions and groups of two and four lights. Driver not included, the driver has to be directly connected to the embedding frames.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Disponible en versiones de una luz y grupos de dos y cuatro luces. Driver no incluido, el driver se debe conectar directamente a los marcos de empotramiento.

2700K

Set of 1 spot

- 03.8600.40A
03.8600.14A
03.8600.06A
03.8600.GLA



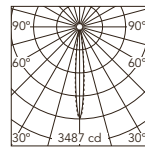
Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 181 lm (EXTREME CUT OFF)

3000K

Set of 1 spot

- 03.8603.40A
03.8603.14A
03.8603.06A
03.8603.GLA

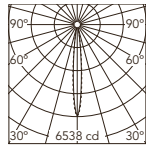


Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 193 lm (EXTREME CUT OFF)

Set of 2 spots

- 03.8640.40A
03.8640.14A
03.8640.06A
03.8640.GLA

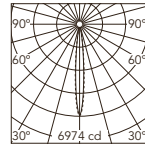


Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 362 lm

Set of 2 spots

- 03.8643.40A
03.8643.14A
03.8643.06A
03.8643.GLA

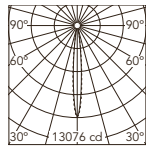


Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 386 lm

Set of 4 spots

- 03.8610.40A
03.8610.14A
03.8610.06A
03.8610.GLA



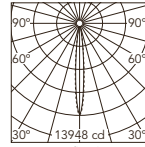
Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 724 lm

@Black (14)

Set of 4 spots

- 03.8613.40A
03.8613.14A
03.8613.06A
03.8613.GLA



Beam Angle: 10°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

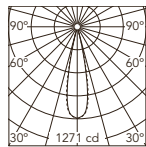
Luminous flux luminaire 773 lm

@Black (14)

2700K

Set of 1 spot

- 03.8601.40A
03.8601.14A
03.8601.06A
03.8601.GLA



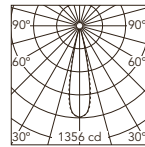
Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 186 lm (EXTREME CUT OFF)

3000K

Set of 1 spot

- 03.8604.40A
03.8604.14A
03.8604.06A
03.8604.GLA

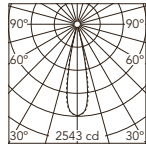


Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 198 lm (EXTREME CUT OFF)

Set of 2 spots

- 03.8641.40A
03.8641.14A
03.8641.06A
03.8641.GLA

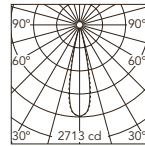


Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 372 lm

Set of 2 spots

- 03.8644.40A
03.8644.14A
03.8644.06A
03.8644.GLA

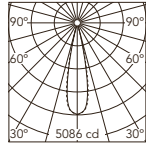


Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 397 lm

Set of 4 spots

- 03.8611.40A
03.8611.14A
03.8611.06A
03.8611.GLA



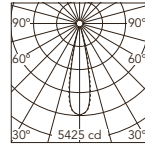
Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

Luminous flux luminaire 744 lm

@Black (14)

Set of 4 spots

- 03.8614.40A
03.8614.14A
03.8614.06A
03.8614.GLA



Beam Angle: 22°
Table with 3 columns: h(m), E(lx), D(m). Rows 1-5.

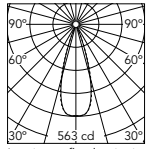
Luminous flux luminaire 793 lm

@Black (14)

2700K

Set of 1 spot

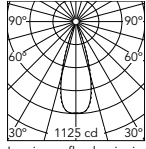
- 03.8602.40A
- 03.8602.14A
- 03.8602.06A
- 03.8602.GLA



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	563	0.60
2	141	1.19
3	63	1.79
4	35	2.39
5	23	2.99

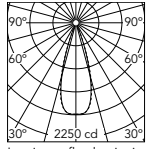
Luminous flux luminaire
180 lm (EXTREME CUT OFF)



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1125	0.60
2	281	1.19
3	125	1.79
4	70	2.39
5	45	2.99

Luminous flux luminaire
360 lm



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2250	0.60
2	563	1.19
3	250	1.79
4	141	2.39
5	90	2.99

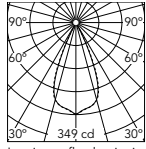
Luminous flux luminaire
720 lm

@Black (14)

2700K

Set of 1 spot

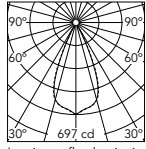
- 03.8630.40A
- 03.8630.14A
- 03.8630.06A
- 03.8630.GLA



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	349	0.84
2	87	1.69
3	39	2.53
4	22	3.38
5	14	4.22

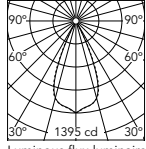
Luminous flux luminaire
184 lm (EXTREME CUT OFF)



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	697	0.84
2	174	1.69
3	77	2.53
4	44	3.38
5	28	4.22

Luminous flux luminaire
368 lm



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1395	0.84
2	349	1.69
3	155	2.53
4	87	3.38
5	56	4.22

Luminous flux luminaire
735 lm

@Black (14)

Set of 2 spots

- 03.8646.40A
- 03.8646.14A
- 03.8646.06A
- 03.8646.GLA

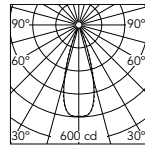
Set of 4 spots

- 03.8635.40A
- 03.8635.14A
- 03.8635.06A
- 03.8635.GLA

3000K

Set of 1 spot

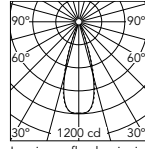
- 03.8605.40A
- 03.8605.14A
- 03.8605.06A
- 03.8605.GLA



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	600	0.60
2	150	1.19
3	67	1.79
4	38	2.39
5	24	2.99

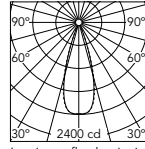
Luminous flux luminaire
192 lm (EXTREME CUT OFF)



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	1200	0.60
2	300	1.19
3	133	1.79
4	75	2.39
5	48	2.99

Luminous flux luminaire
384 lm



Beam Angle: 33°

h(m)	E(lx)	D(m)
1	2400	0.60
2	600	1.19
3	267	1.79
4	150	2.39
5	96	2.99

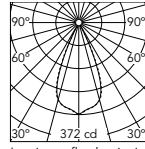
Luminous flux luminaire
768 lm

@Black (14)

3000K

Set of 1 spot

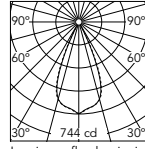
- 03.8631.40A
- 03.8631.14A
- 03.8631.06A
- 03.8631.GLA



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	372	0.84
2	93	1.69
3	41	2.53
4	23	3.38
5	15	4.22

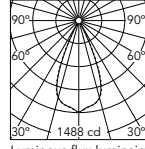
Luminous flux luminaire
196 lm (EXTREME CUT OFF)



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	744	0.84
2	186	1.69
3	83	2.53
4	46	3.38
5	30	4.22

Luminous flux luminaire
392 lm



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1488	0.84
2	372	1.69
3	165	2.53
4	93	3.38
5	60	4.22

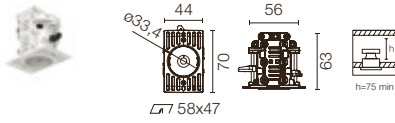
Luminous flux luminaire
784 lm

@Black (14)

Accessories / Accesorios

Pre-installation frame.
Marco de pre-instalación.

1L
08.0580.00



Pre-installation frame.
Marco de pre-instalación.

2L - Int 70
08.0583.00



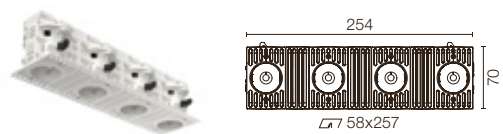
Pre-installation frame.
Marco de pre-instalación.

2L - Int 43
08.0581.00



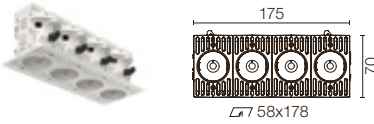
Pre-installation frame.
Marco de pre-instalación.

4L - Int 70
08.0584.00



Pre-installation frame.
Marco de pre-instalación.

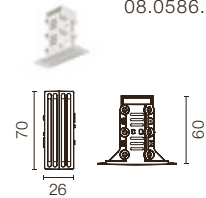
4L - Int 43
08.0582.00



70 mm divider to keep the spacing between spots when putting together 70 mm modules.

08.0586.00

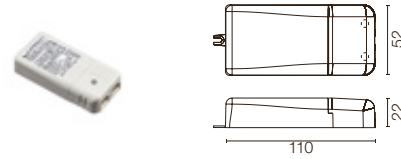
Separador de 70mm para mantener la interdistancia en tres focos al unir módulos de 70mm.



Drivers / Equipos

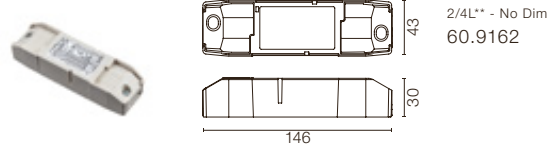
Non dimmable continuous current power supply of 15W (110V) - 20W (240V) - 50/60Hz, with power current selected through adjustable 900 mA switch.

Fuente de alimentación de corriente constante 15W (110V) - 20W (240V) - 50/60Hz con corriente de alimentación seleccionable mediante switch 900 mA no regulable.



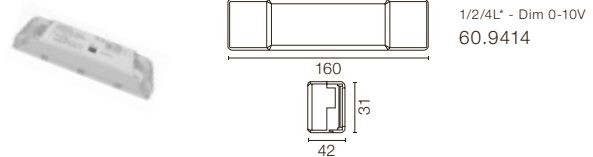
Continuous current power supply of 13-38W, 220/240V - 50/60Hz with power current selected through adjustable 900 mA switch.

Fuente de alimentación de corriente constante 13-38W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 900 mA no regulable.



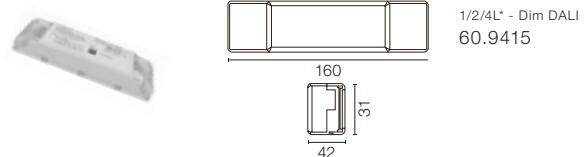
Non dimmable continuous current power supply of 20W, dimmable 0-10V, 220/240V - 50/60Hz with power current 900 mA.

Fuente de alimentación de corriente constante 20W, regulable 0-10V, 220/240V - 50/60Hz con corriente de alimentación 900 mA.



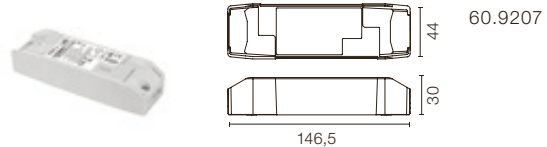
Continuous current power supply of 20W, dimmable DALI 2, 220/240V - 50/60Hz with power current 900 mA.

Fuente de alimentación de corriente constante 20W, regulable DALI 2, 220/240V - 50/60Hz con corriente de alimentación 900 mA.



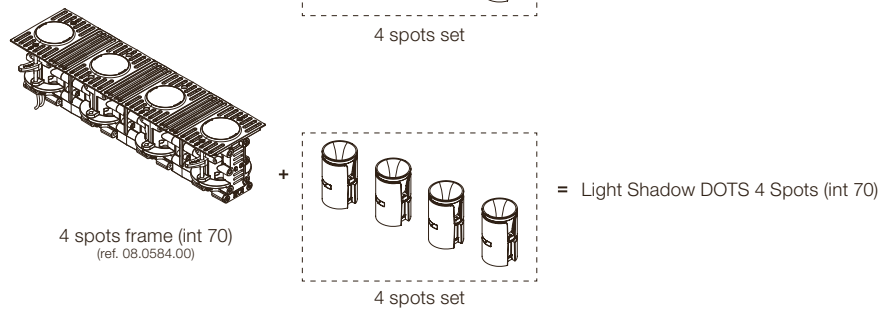
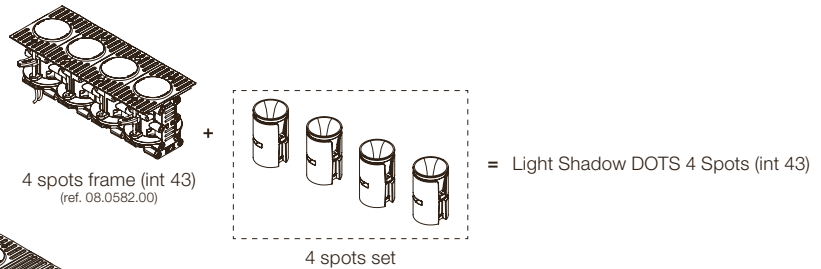
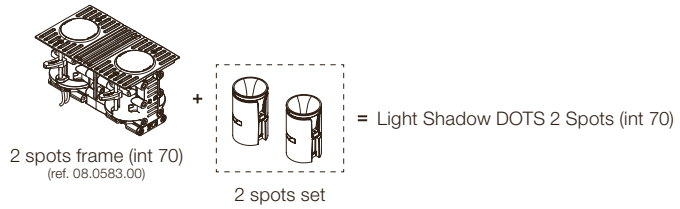
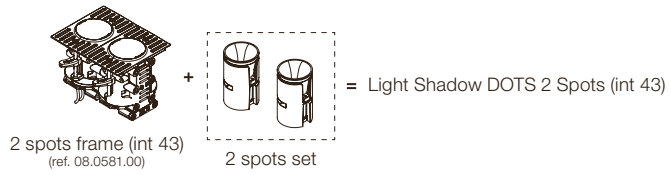
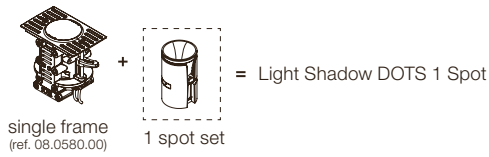
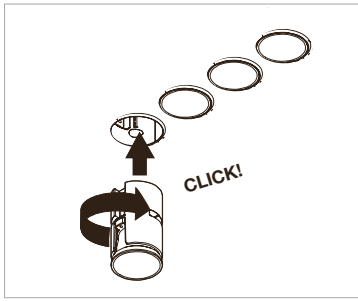
Continuous current power supply, dimmable Casambi, 220/240V - 50/60Hz, 35W - 650mA / 36W - 700 mA.

Fuente de alimentación de corriente constante, regulable Casambi, 220/240V - 50/60Hz, 35W - 650mA / 36W - 700mA



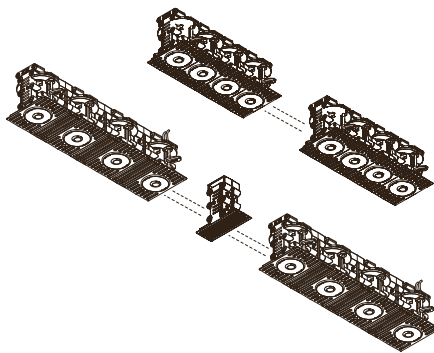
* It is possible to feed up to 6 lights (spots) using the same driver and with a serial connection / Es posible alimentar hasta 6 luces (spots) con el mismo driver y con conexión en serie.

** It is possible to feed up to 11 lights (spots) using the same driver and with a serial connection / Es posible alimentar hasta 11 luces (spots) con el mismo driver y con conexión en serie.



When planning the lighting of an environment, the Light Shadow Dots family allows to project continuous light lines or random figures thanks to the simple interconnection between its luminaires (1, 2 and 4 lights) without the need for an additional tool. For the lighting designing and planning, the user can choose between two predefined distances of 43 and 70 mm between light points. For the 70 mm version, it is necessary to assemble an independent accessory (reference: 08.0584.00) between the luminaires.

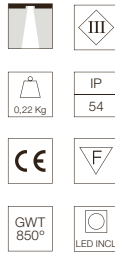
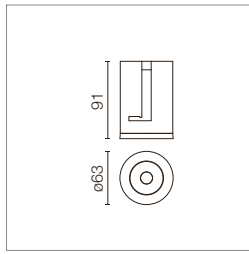
A la hora de planificar la iluminación de un entorno, la familia Light Shadow Dots permite proyectar líneas continuas de luz o figuras aleatorias gracias a la sencilla interconexión entre sus luminarias (1, 2 y 4 luces) sin necesidad de utilizar herramienta adicional. En su diseño y planificación, el usuario podrá elegir entre dos distancias predefinidas entre puntos de luz, 43 y 70 mm, siendo necesario el montaje de un accesorio independiente (ref. 08.0584.00) entre luminarias para la versión 70 mm.



Interconnection information to build a continuous line / Detalle de interconexión para construir una línea continua

Light Shadow PRO Ø60 Fixed

Light Source: LED Array DC Up to 400 mA 15W - 1325 lm - 2700K/CRI 90 / 15W - 1427 lm - 3000K/CRI 90 / 15W - 1515 lm - 4000K/CRI 90
 LED Array DC 300 mA** 11W - 1037lm - 2700K/CRI 90 / 11W - 1117 lm - 3000K/CRI 90 / 11W - 1185 lm - 4000K/CRI 90



LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

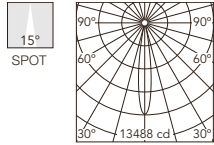
**Please select 300 mA setting in the remote driver to match the power of the Adjustable version.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Seleccione la configuración de 300 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

Optic Spot 2700K

- 03.9950.40
- 03.9950.14
- 03.9950.06
- 03.9950.GL

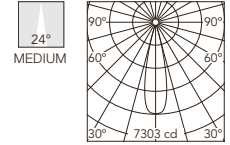


h(m)	E(lx)	D(m)
1	13488	0.27
2	3372	0.54
3	1499	0.82
4	843	1.09
5	540	1.36

Luminous flux luminaire 1162 lm

Optic Medium 2700K

- 03.9951.40
- 03.9951.14
- 03.9951.06
- 03.9951.GL

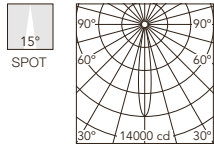


h(m)	E(lx)	D(m)
1	7303	0.43
2	1826	0.86
3	811	1.29
4	456	1.72
5	292	2.16

Luminous flux luminaire 1159 lm

3000K

- 03.9954.40
- 03.9954.14
- 03.9954.06
- 03.9954.GL

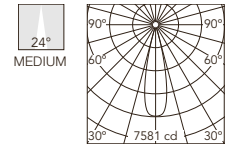


h(m)	E(lx)	D(m)
1	14000	0.27
2	3500	0.54
3	1556	0.82
4	875	1.09
5	560	1.36

Luminous flux luminaire 1206 lm

3000K

- 03.9955.40
- 03.9955.14
- 03.9955.06
- 03.9955.GL

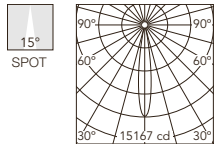


h(m)	E(lx)	D(m)
1	7581	0.43
2	1895	0.86
3	842	1.29
4	474	1.72
5	303	2.16

Luminous flux luminaire 1203 lm

4000K

- 03.9910.40
- 03.9910.14
- 03.9910.06
- 03.9910.GL

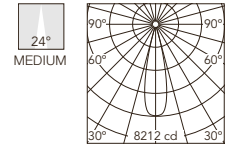


h(m)	E(lx)	D(m)
1	15167	0.27
2	3792	0.54
3	1685	0.82
4	948	1.09
5	607	1.36

Luminous flux luminaire 1307 lm
 @Black (14) 400mA

4000K

- 03.9911.40
- 03.9911.14
- 03.9911.06
- 03.9911.GL

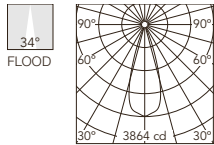


h(m)	E(lx)	D(m)
1	8212	0.43
2	2053	0.86
3	912	1.29
4	513	1.72
5	328	2.16

Luminous flux luminaire 1303 lm
 @Black (14) 400mA

Optic Flood 2700K

- 03.9952.40
- 03.9952.14
- 03.9952.06
- 03.9952.GL

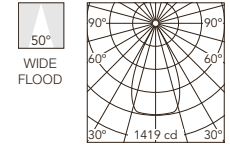


h(m)	E(lx)	D(m)
1	3864	0.61
2	966	1.22
3	429	1.82
4	241	2.43
5	155	3.04

Luminous flux luminaire 1165 lm

Optic Wide Flood 2700K

- 03.9953.40
- 03.9953.14
- 03.9953.06
- 03.9953.GL

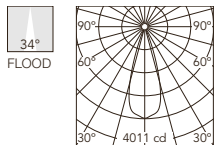


h(m)	E(lx)	D(m)
1	1419	0.95
2	355	1.89
3	158	2.84
4	89	3.79
5	57	4.74

Luminous flux luminaire 1057 lm

3000K

- 03.9956.40
- 03.9956.14
- 03.9956.06
- 03.9956.GL

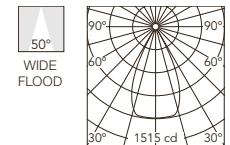


h(m)	E(lx)	D(m)
1	4011	0.61
2	1003	1.22
3	446	1.82
4	251	2.43
5	160	3.04

Luminous flux luminaire 1209 lm

3000K

- 03.9957.40
- 03.9957.14
- 03.9957.06
- 03.9957.GL

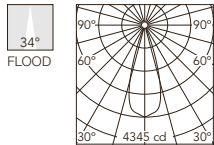


h(m)	E(lx)	D(m)
1	1515	0.95
2	379	1.89
3	168	2.84
4	95	3.79
5	61	4.74

Luminous flux luminaire 1128 lm

4000K

- 03.9912.40
- 03.9912.14
- 03.9912.06
- 03.9912.GL

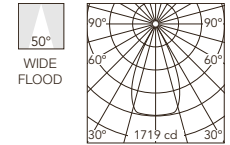


h(m)	E(lx)	D(m)
1	4345	0.61
2	1086	1.22
3	483	1.82
4	272	2.43
5	174	3.04

Luminous flux luminaire 1310 lm
 @Black (14) 400mA

4000K

- 03.9913.40
- 03.9913.14
- 03.9913.06
- 03.9913.GL



h(m)	E(lx)	D(m)
1	1719	0.95
2	430	1.89
3	191	2.84
4	107	3.79
5	69	4.74

Luminous flux luminaire 1281 lm
 @Black (14) 400mA

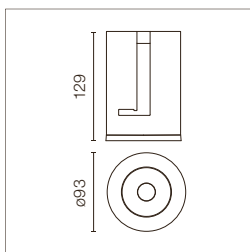
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

LIGHT SHADOW PRO

Light Shadow PRO Ø90 Fixed

Light Source: S/M/F/WF: LED Array DC 600 mA 22W - 2324 lm - 2700K/CRI 90 / 22W - 2419 lm - 3000K/CRI 90 / 22W - 2520 lm - 4000K/CRI 90
S/M/F/WF: LED Array DC 500 mA** 18W - 1803 lm - 2700K/CRI 90 / 18W - 1921 lm - 3000K/CRI 90 / 18W - 2057 lm - 4000K/CRI 90

Super Spot: LED Array DC 500 mA 18W - 1590 lm - 2700K/CRI 90 / 18W - 1710 lm - 3000K/CRI 90 / 18W - 1815 lm - 4000K/CRI 90



LED lighting module, with low glare, to be inserted in the recessed frames (not included), installation through a bayonet system with interchangeable spots. Remote driver not included.

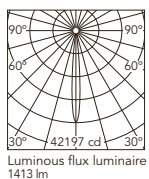
Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos), instalación mediante sistema de bayoneta con focos intercambiables. Driver remoto no incluido.

**Please select 500 mA setting in the remote driver to match the power of the Adjustable version.

**Seleccione la configuración de 500 mA en el driver remoto para que coincida con la potencia de la versión "Adjustable".

Optic Super Spot 2700K

- 03.9968.40
- 03.9968.14
- 03.9968.06
- 03.9968.GL



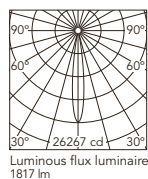
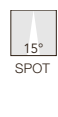
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	42197	0.17
2	10549	0.34
3	4689	0.51
4	2637	0.68
5	1688	0.85

Luminous flux luminaire
1413 lm

Optic Spot 2700K

- 03.9960.40
- 03.9960.14
- 03.9960.06
- 03.9960.GL

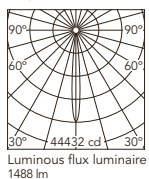


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	26267	0.25
2	6567	0.49
3	2919	0.74
4	1642	0.98
5	1051	1.23

Luminous flux luminaire
1817 lm

- ### 3000K
- 03.9969.40
 - 03.9969.14
 - 03.9969.06
 - 03.9969.GL

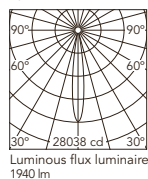
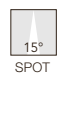


Beam Angle: 10°

h(m)	E(lx)	D(m)
1	44432	0.17
2	11108	0.34
3	4937	0.51
4	2777	0.68
5	1777	0.85

Luminous flux luminaire
1488 lm

- ### 3000K
- 03.9964.40
 - 03.9964.14
 - 03.9964.06
 - 03.9964.GL

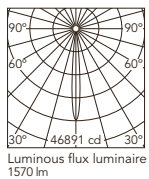


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	28038	0.25
2	7009	0.49
3	3115	0.74
4	1752	0.98
5	1122	1.23

Luminous flux luminaire
1940 lm

- ### 4000K
- 03.9924.40
 - 03.9924.14
 - 03.9924.06
 - 03.9924.GL



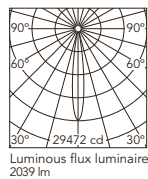
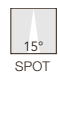
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	46891	0.17
2	11723	0.34
3	5210	0.51
4	2931	0.68
5	1876	0.85

Luminous flux luminaire
1570 lm

@Black (14) 500mA

- ### 4000K
- 03.9920.40
 - 03.9920.14
 - 03.9920.06
 - 03.9920.GL



Beam Angle: 15°

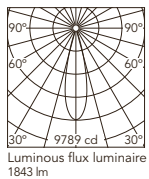
h(m)	E(lx)	D(m)
1	29472	0.25
2	7368	0.49
3	3275	0.74
4	1842	0.98
5	1179	1.23

Luminous flux luminaire
2039 lm

@Black (14) 600mA

Optic Medium 2700K

- 03.9961.40
- 03.9961.14
- 03.9961.06
- 03.9961.GL



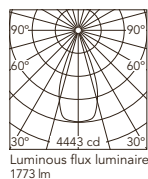
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	9789	0.45
2	2447	0.90
3	1088	1.35
4	612	1.80
5	392	2.25

Luminous flux luminaire
1843 lm

Optic Flood 2700K

- 03.9962.40
- 03.9962.14
- 03.9962.06
- 03.9962.GL

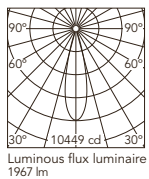


Beam Angle: 41°

h(m)	E(lx)	D(m)
1	4443	0.76
2	1111	1.51
3	494	2.27
4	278	3.03
5	178	3.78

Luminous flux luminaire
1773 lm

- ### 3000K
- 03.9965.40
 - 03.9965.14
 - 03.9965.06
 - 03.9965.GL

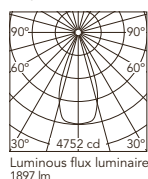


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	10449	0.45
2	2612	0.90
3	1161	1.35
4	653	1.80
5	418	2.25

Luminous flux luminaire
1967 lm

- ### 3000K
- 03.9966.40
 - 03.9966.14
 - 03.9966.06
 - 03.9966.GL

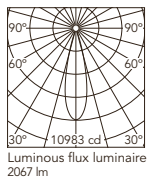


Beam Angle: 41°

h(m)	E(lx)	D(m)
1	4443	0.76
2	1188	1.51
3	528	2.27
4	297	3.03
5	190	3.78

Luminous flux luminaire
1897 lm

- ### 4000K
- 03.9921.40
 - 03.9921.14
 - 03.9921.06
 - 03.9921.GL



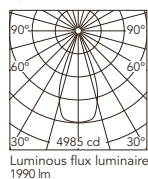
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	10983	0.45
2	2746	0.90
3	1220	1.35
4	686	1.80
5	439	2.25

Luminous flux luminaire
2067 lm

@Black (14) 600mA

- ### 4000K
- 03.9922.40
 - 03.9922.14
 - 03.9922.06
 - 03.9922.GL



Beam Angle: 41°

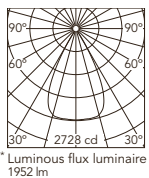
h(m)	E(lx)	D(m)
1	4985	0.76
2	1246	1.51
3	554	2.27
4	312	3.03
5	199	3.78

Luminous flux luminaire
1990 lm

@Black (14) 600mA

Optic Wide Flood 2700K

- 03.9963.40
- 03.9963.14
- 03.9963.06
- 03.9963.GL



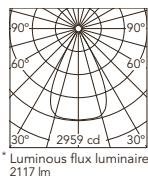
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	2728	1.05
2	682	2.09
3	303	3.14
4	171	4.19
5	109	5.24

Luminous flux luminaire
1952 lm

Optic Wide Flood 4000K

- 03.9923.40
- 03.9923.14
- 03.9923.06
- 03.9923.GL



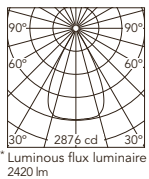
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	2959	1.05
2	740	2.09
3	329	3.14
4	185	4.19
5	118	5.24

Luminous flux luminaire
2117 lm

@Black (14) 600mA

- ### 3000K
- 03.9967.40
 - 03.9967.14
 - 03.9967.06
 - 03.9967.GL



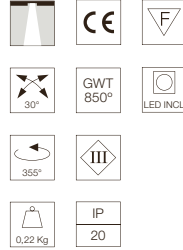
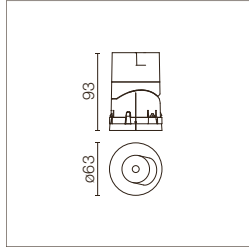
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	2876	1.04
2	719	2.08
3	320	3.11
4	180	4.15
5	115	5.19

Luminous flux luminaire
2420 lm

Light Shadow PRO Ø60 Adjustable

Light Source: LED Array DC 300 mA 10,5W - 1035 lm - 2700K/CRI 90 / 10,5W - 1115 lm - 3000K/CRI 90 / 10,5W - 1185 lm - 4000K/CRI 90



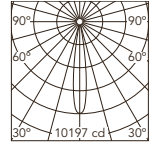
LED lighting module, with low glare, to be inserted in the recessed frames (not included), with interchangeable spots. Remote driver not included.

Módulo de iluminación LED, de bajo deslumbramiento, para ser insertado en los marcos de empotramiento (no incluidos) con focos intercambiables. Driver remoto no incluido.

Optic Spot (coming soon)

2700K

- 03.9971.40
- 03.9971.14
- 03.9971.06
- 03.9971.GL



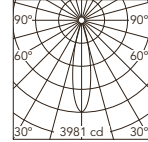
h(m)	E(lx)	D(m)
1	10197	0.27
2	2549	0.53
3	1133	0.80
4	637	1.07
5	408	1.33

* Luminous flux luminaire 10197 cd
720 lm

Optic Medium

2700K

- 03.9972.40
- 03.9972.14
- 03.9972.06
- 03.9972.GL

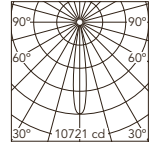


h(m)	E(lx)	D(m)
1	3981	0.40
2	995	0.79
3	442	1.19
4	249	1.58
5	159	1.98

* Luminous flux luminaire 3981 cd
655 lm

3000K

- 03.9976.40
- 03.9976.14
- 03.9976.06
- 03.9976.GL

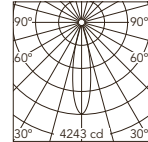


h(m)	E(lx)	D(m)
1	10721	0.27
2	2680	0.53
3	1191	0.80
4	670	1.07
5	429	1.33

* Luminous flux luminaire 10721 cd
757 lm

3000K

- 03.9977.40
- 03.9977.14
- 03.9977.06
- 03.9977.GL

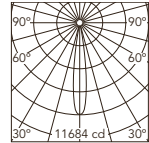


h(m)	E(lx)	D(m)
1	4243	0.40
2	1061	0.79
3	471	1.19
4	265	1.58
5	170	1.98

* Luminous flux luminaire 4243 cd
698 lm

4000K

- 03.9931.40
- 03.9931.14
- 03.9931.06
- 03.9931.GL

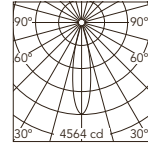


h(m)	E(lx)	D(m)
1	11684	0.27
2	2921	0.53
3	1298	0.80
4	730	1.07
5	467	1.33

* Luminous flux luminaire 11684 cd
825 lm

4000K

- 03.9932.40
- 03.9932.14
- 03.9932.06
- 03.9932.GL



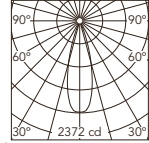
h(m)	E(lx)	D(m)
1	4564	0.40
2	1141	0.79
3	507	1.19
4	285	1.58
5	183	1.98

* Luminous flux luminaire 4564 cd
751 lm

Optic Flood

2700K

- 03.9973.40
- 03.9973.14
- 03.9973.06
- 03.9973.GL

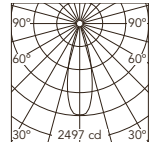


h(m)	E(lx)	D(m)
1	2372	0.53
2	593	1.05
3	264	1.58
4	148	2.11
5	95	2.64

* Luminous flux luminaire 2372 cd
614 lm

3000K

- 03.9978.40
- 03.9978.14
- 03.9978.06
- 03.9978.GL

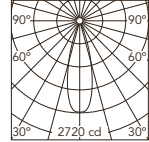


h(m)	E(lx)	D(m)
1	2497	0.53
2	624	1.05
3	277	1.58
4	156	2.11
5	100	2.64

* Luminous flux luminaire 2497 cd
646 lm

4000K

- 03.9933.40
- 03.9933.14
- 03.9933.06
- 03.9933.GL



h(m)	E(lx)	D(m)
1	2720	0.53
2	680	1.05
3	302	1.58
4	170	2.11
5	109	2.64

* Luminous flux luminaire 2720 cd
704 lm

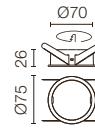
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

LIGHT SHADOW PRO

Accessories / Accesorios

Frame Trim Ø60.

Marco de Instalación Trim Ø60.



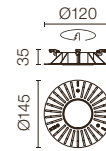
- Fixed
 - 08.0160.40
 - 08.0160.14
- Adjustable
 - 08.0164.40
 - 08.0164.14

Frame No Trim Ø60.

Marco de Instalación No Trim Ø60.



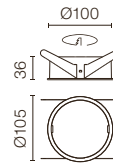
Fixed
08.0192.00



Adjustable
08.0166.00

Frame Trim Ø90.

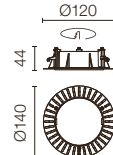
Marco de Instalación Trim Ø90.



- Fixed
 - 08.0161.40
 - 08.0161.14
- Adjustable
 - 08.0165.40
 - 08.0165.14

Frame No Trim Ø90.

Marco de Instalación No Trim Ø90.

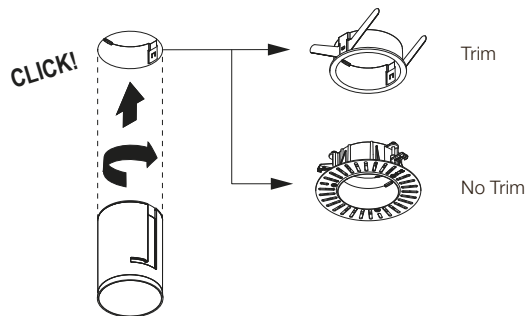


Fixed
08.0193.00



Adjustable
08.0167.00

HOW TO ORDER LIGHT SHADOW PRO

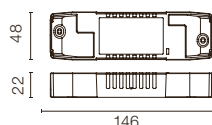


LIGHT SHADOW PRO

Drivers / Equipos

Non dimmable continuous current power supply of 17,5W, 220/240V - 50/60Hz, with power current selected through adjustable 400mA switch.

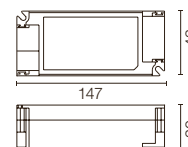
Fuente de alimentación de corriente constante 17,5W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 400mA no regulable.



60.9160

Non dimmable continuous current power supply of 24W, 110/277V - 50/60Hz, with power current selected through adjustable 600mA switch.

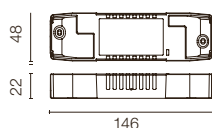
Fuente de alimentación de corriente constante 24W, 110/277V - 50/60Hz con corriente de alimentación seleccionable mediante switch 600mA no regulable.
Kit de 2 tapas incluido.



60.9523

Continuous current power supply of 300 mA - 16W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 750mA - 36W / 800mA - 36W, dimmable 1-10V, 220/240V - 50/60Hz with power current selected through switch.

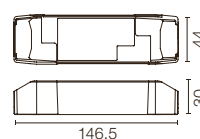
Fuente de alimentación de corriente constante 300mA - 16W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 750mA - 36W / 800mA - 36W, regulable 1-10V, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch.



60.9439

Continuous current power supply of 300mA - 16W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 750mA - 36W / 800mA - 38W, dimmable DALI 2, 220/240V - 50/60Hz with power current selected through switch.

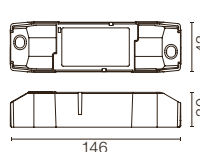
Fuente de alimentación de corriente constante 300mA - 16W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 750mA - 36W / 800mA - 38W, regulable DALI 2, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch.



60.9186

Continuous current power supply of 13-42W, 220/240V - 50/60Hz with power current selected through adjustable 300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000/1050 mA switch.

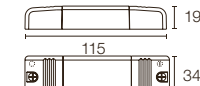
Fuente de alimentación de corriente constante 13-42W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 300/350/400/450/500/550/600/650/700/750/800/850/900/950/1000/1050 mA.



60.9162

Constant voltage supply source of 10W, 100-240V - 50/60Hz with non adjustable 250mA supply voltage.

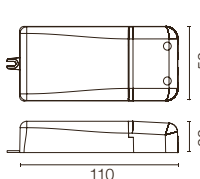
Fuente de alimentación de corriente constante 10W, 100-240V - 50/60Hz con corriente de alimentación 250mA no regulable.



60.9389

Continuous current power supply of 13-20W, 110*/240V - 50/60Hz with power current selected through adjustable 250/300/350/400/450/500/550/600/650/700/750/800/850/900 mA switch. 1-10V or push dimming, synchronisation cables not included. *Max 15W.

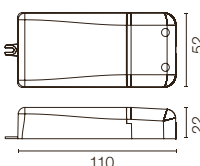
Fuente de alimentación de corriente constante 13-20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250/300/350/400/450/500/550/600/650/700/750/800/850/900 mA. 1-10V o push dimming, requiere cables de sincronización no incluidos. *Max 15W.



60.9188

Continuous current power supply of 10-20W, 110/240V - 50/60Hz with power current selected through adjustable 250/350/400/450/500/550/600/700 mA Dali switch.

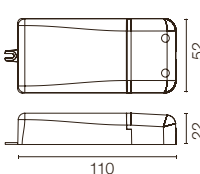
Fuente de alimentación de corriente constante 10-20W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250/350/400/450/500/550/600/700 mA regulable Dali.



60.8847

Continuous current power supply of 12-20W, 110*/240V - 50/60Hz with power current selected through adjustable 400mA (19W) / 500mA (20W) / 600mA (20W) / 700mA (20W) regulable DALI 1 y DALI 2. *Max 15W.

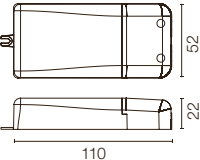
Fuente de alimentación de corriente constante 12-20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 400mA (19W) / 500mA (20W) / 600mA (20W) / 700mA (20W) regulable DALI 1 y DALI 2. *Max 15W.



60.9222

Continuous current power supply, Mains dimming 220/240V - 50/60Hz, 12W / 300mA - 17W / 400mA - 20W / 500mA - 20W / 600mA - 20W / 750mA - 20W / 800mA - 20W.

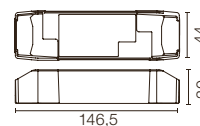
Fuente de alimentación de corriente constante, regulable Mains, 220/240V - 50/60Hz, 12W / 300mA - 17W / 400mA - 20W / 500mA - 20W / 600mA - 20W / 750mA - 20W / 800mA - 20W.



60.9467

Continuous current power supply of 400mA - 21,5W / 500mA - 27W / 600mA - 32W / 750mA - 38W / 800mA - 38W, dimmable Casambi, 220/240V - 50/60Hz with power current selected through adjustable.

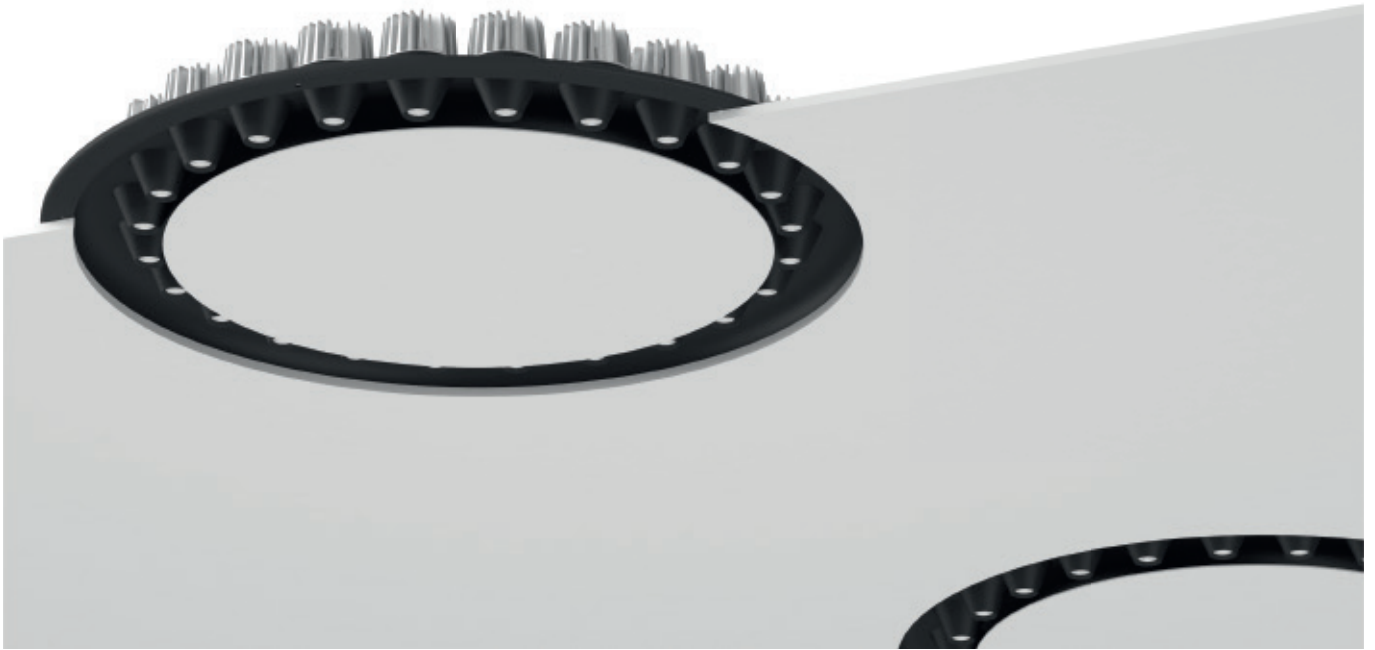
Fuente de alimentación de corriente constante 400mA - 21,5W / 500mA - 27W / 600mA - 32W / 750mA - 38W / 800mA - 38W, regulable Casambi, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch.



60.9207

CIRCLE OF LIGHT

DESIGNED BY FLOS ARCHITECTURAL



CIRCLE OF LIGHT
300 mm



LIGHT SOURCE
POWER LED
12x3W
12x325 lm
2700K/CRI 90
12x3W
12x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
600 mm



LIGHT SOURCE
POWER LED
24x3W
24x325 lm
2700K/CRI 90
24x3W
24x370 lm
3000K/CRI 90

CIRCLE OF LIGHT
900 mm



LIGHT SOURCE
POWER LED
36x3W
36x325 lm
2700K/CRI 90
36x3W
36x370 lm
3000K/CRI 90

■ 14 Black
■ 14 Negro



reddot design award
winner 2013

CIRCLE OF LIGHT

Description

A lighting system for indoor application comprised of a circular metal structure on which individual LED lighting spots are placed. The fitting is pre-wired and comes with a "Soft Architecture" type frame for an easy and seamless installation on the plasterboard ceiling.

The LED lighting modules are attached with a magnet for an easy mounting and for the maintenance no special tools are needed.

Circle of Light is available in three diameters: 300, 600 or 900 mm comprised of 12, 24 or 36 LED Lighting Spots, according to each size.

Reflectors

The LED spotlight set for the Circle of Light is available for Accent Lighting or General Lighting optic concepts. Herewith this fitting offers a some flexibility to create the desired ambiance.

Power Supply

Remote equipment 24V / 40W included.

Input 100-240VAC / 0.55A 50/60Hz; Output +24V / 1.9A.

Driver 1-10V (1V means 10%) for passive dimming controls (sink system). Also compatible with active dimming controls 0,6-10V (source system).

The 1-10-V version can also be controlled a simple button without courtesy light. Cables available for synchronization between drivers (contact the technical department for more details about installation).

Additional Information

The connection of the power supply to the converter DC-DC is easy by using distribution boxes and a correct connection can be granted without any special tool. The distribution boxes are included.

For further access to the power supply and to the connected converters DC-DC during maintenance the Circle of Light has a front cover that can be easily removed and reinstalled.

IP20 protection grade.

Insulation class II.

Compliance Of Standards And Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria empotrada de interiores con una fácil instalación en techos de cartón yeso, formada por una estructura circular sobre la cual viene posicionado un módulo de iluminación LED, reproducido a lo largo de su perímetro.

El producto se suministra pre-instalado sobre un perfil tipo "Soft Architecture" para garantizar su fácil montaje y perfecta integración en el techo.

Mediante un sistema de fijación magnética las labores de instalación de los módulos de luz, así como futuras operaciones de mantenimiento, se pueden realizar sin la necesidad de herramientas específicas.

Circle of Light está disponible en tres diámetros: 300, 600 y 900 mm formados por 12, 24 ó 36 proyectores respectivamente.

Refletores

La luminaria se encuentra disponible en versiones de luz de acento con ópticas intensivas (accent lighting) o luz ambiental con ópticas extensivas (general lighting), dotando al sistema de cierta flexibilidad para adecuarse a los requerimientos de iluminación.

Unidades de Alimentación

Fuente de alimentación remota a 24V / 40W incluida.

Input: 100-240VAC / 0.55A 50/60Hz; Output: +24V / 1.9A.

Driver 1-10V (1V funciona al 10%) para sistemas de dimado pasivos (sink systems). También compatible con sistemas de dimado activos 0,6-10V (source system).

La versión 1-10V también puede ser controlada vía pulsador simple sin luz de cortesía. Disponibles cables de sincronización entre drivers (consultar departamento técnico para más detalles sobre su instalación).

Información Adicional

La luminaria se suministra con una fuente de alimentación remota a 24V incluida. Su conexión al convertidor de corriente DC-DC se realiza mediante un cableado equipado con conexiones rápidas, de tal forma que su instalación correcta queda garantizada y no se requiere de herramientas específicas.

El posterior acceso a la fuente de alimentación como al convertidor de corriente DC-DC y su cableado de interconexión queda garantizado gracias a la posibilidad de retirar la parte central de la luminaria de tal modo que las labores de mantenimiento se puedan realizar de forma cómoda y sencilla.

Índice de protección IP20.

Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad

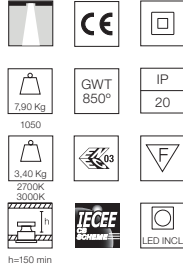
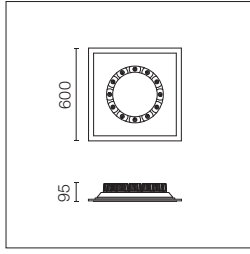
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



CIRCLE OF LIGHT

Circle Of Light 300 mm

Light Source: Power LED 12x3W - 12x325 lm - 2700K/CRI 90 / 12x3W - 12x370 lm - 3000K/CRI 90



Lighting system, seamless ceiling mounted, for 12 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 12 focos tipo LED. Caja de 12 focos, junto con su correspondiente sistema eléctrico no incluido, se sirve por separado. La versión 1-10V es regulable desde 10% al 100%.

Accent lighting and general lighting: 1 unit must be ordered.

Luz de acento y luz general: se debe pedir 1 unidad.

For Casambi versions consult the Front Office.

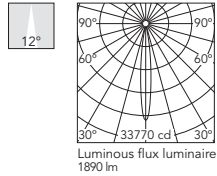
Para versiones Casambi consultar con el Front Office.

Ø300

Soft Plate
SA.1050.1

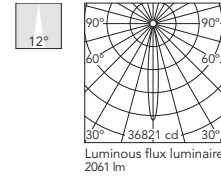
2700K

Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA



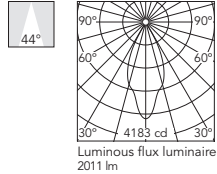
3000K

Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA



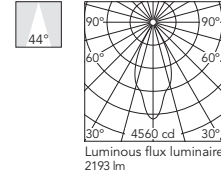
2700K

Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA



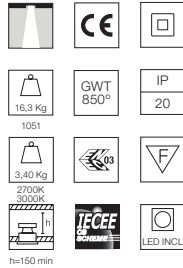
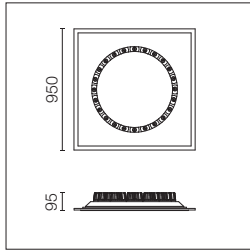
3000K

Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA



Circle Of Light 600 mm

Light Source: Power LED 24x3W - 24x325 lm - 2700K/CRI 90 / 24x3W - 24x370 lm - 3000K/CRI 90



Lighting system, seamless ceiling mounted, for 24 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 24 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

Accent lighting and general lighting: 2 units must be ordered.

Luz de acento y luz general: se deben pedir 2 unidades.

For Casambi versions consult the Front Office.

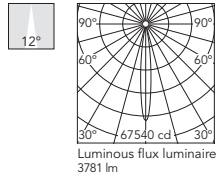
Para versiones Casambi consultar con el Front Office.

Ø600

Soft Plate
SA.1051.1

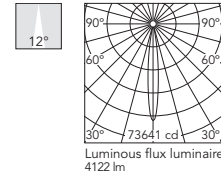
2700K

Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA



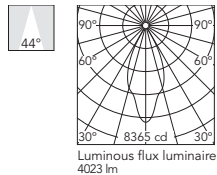
3000K

Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA



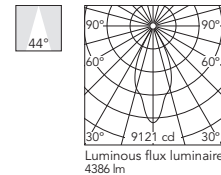
2700K

Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA



3000K

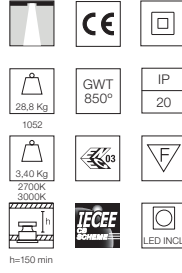
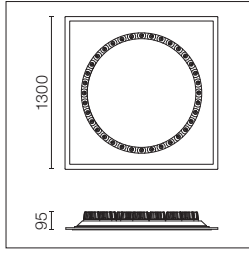
Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA



CIRCLE OF LIGHT

Circle Of Light 900 mm

Light Source: Power LED 36x3W - 36x325 lm - 2700K/CRI 90 / 36x3W - 36x370 lm - 3000K/CRI 90



Lighting system, seamless ceiling mounted, for 36 individual LED lighting spots. Set of 12 spots, complete with junction box, power supply and cables, has to be ordered separately. The 1-10V version is dimmable from 10% to 100%.

Sistema de iluminación perfectamente integrado en el techo, preparado para albergar 36 focos tipo LED. Cajas de 12 focos, junto con sus correspondientes sistemas eléctricos no incluidos, se sirven por separado. La versión 1-10V es regulable desde 10% al 100%.

Accent lighting and general lighting: 3 units must be ordered.

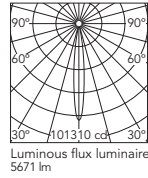
Luz de acento y luz general: se deben pedir 3 unidades.

Ø900

Soft Plate
SA.1052.1

2700K

Set of 12 spots
Accent Lighting
08.8662.14C
08.8662.14C1V
08.8662.14CDA

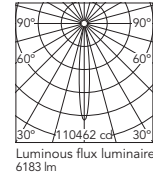


Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	101310	0.22	
2	25327	0.43	
3	11257	0.65	
4	6332	0.87	
5	4052	1.08	

Luminous flux luminaire
5671 lm

3000K

Set of 12 spots
Accent Lighting
08.8572.14C
08.8572.14C1V
08.8572.14CDA

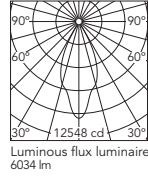


Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	110462	0.22	
2	27616	0.43	
3	12274	0.65	
4	6904	0.87	
5	4418	1.08	

Luminous flux luminaire
6183 lm

2700K

Set of 12 spots
General Lighting
08.8663.14C
08.8663.14C1V
08.8663.14CDA

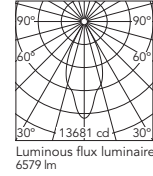


Beam Angle: 44°			
h(m)	E(lx)	D(m)	
1	12548	0.81	
2	3137	1.61	
3	1394	2.42	
4	784	3.23	
5	502	4.03	

Luminous flux luminaire
6034 lm

3000K

Set of 12 spots
General Lighting
08.8573.14C
08.8573.14C1V
08.8573.14CDA

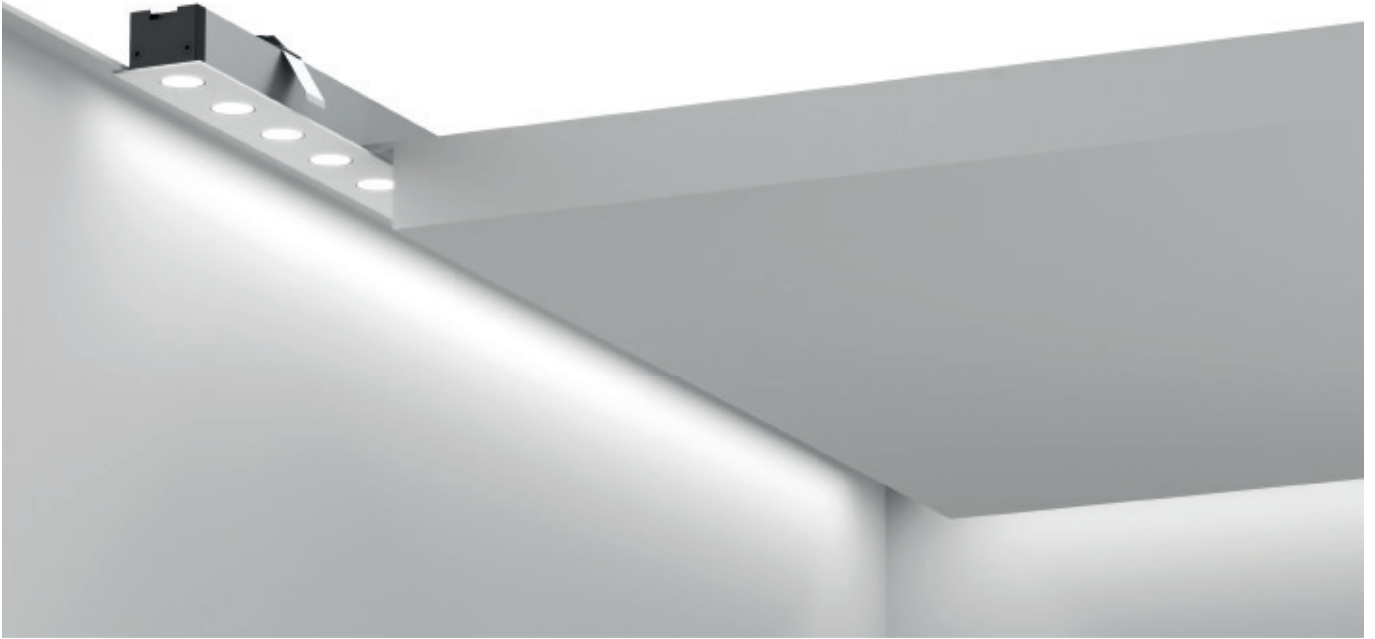


Beam Angle: 44°			
h(m)	E(lx)	D(m)	
1	13681	0.81	
2	3420	1.61	
3	1520	2.42	
4	855	3.23	
5	547	4.03	

Luminous flux luminaire
6579 lm

LED CURTAIN

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SOURCE
POWER LED
29W/m
24V
3500 lm/m
3000K/CRI 90
4000K/CRI 90

30 White
 30 Blanco



LED CURTAIN

Description

Embedded light fixtures for LED light source. Made of two extruded aluminium sections used to dissipate the heat from the power LEDs.

With elliptical lenses for perfect light distribution. Available in modules of different lengths which can be interconnected by a Tyco-type fast-connection cable.

Power Supply

24V power supplies available with a power of between 20W and 100W (maximum 3 metres in length).

Control system with 1-10V dimmer or Dali available.

Additional Information

LED modules of different lengths, inter-connectable using the connection cable. With fast Tyco-type connectors, for power supply with the cable provided for this purpose, available with accessories. Maximum length from a connection point 3 metres.

IP20 protection grade.

Insulation class III.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria empotrada con fuente de luz LED. Realizada mediante dos perfiles de aluminio extruido que se emplean como disipador de calor para los LEDs de potencia.

Dispone de lentes elípticas para una perfecta distribución luminosa.

Disponible en módulos de diferentes longitudes interconectables entre sí mediante un cable de unión con conexión rápido tipo Tyco.

Unidades de Alimentación

Fuentes de alimentación de 24V disponibles desde 20W hasta 100W de potencia. (máximo 3 metros de longitud).

Sistema de control con dimmer 1-10V o Dali disponibles.

Información Adicional

Módulos de LED de diferentes longitudes conectables entre sí mediante el accesorio cable de unión. Dispone de conectores rápidos tipo Tyco, por lo que la alimentación se debe de realizar con el cable previsto para ello disponible en los accesorios.

Máxima longitud desde un punto de alimentación 3 metros.

Índice de protección IP20.

Clase de aislamiento III.

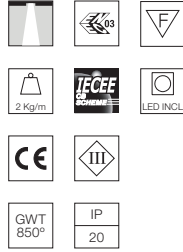
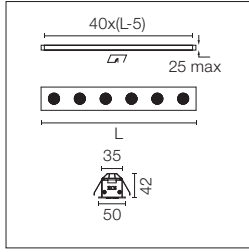
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

LED CURTAIN

LED Curtain

Light Source: Power LED 29W/m - 24V - 3500 lm/m - 3000K/CRI 90 / 29W/m - 24V - 3500 lm/m - 4000K/CRI 90



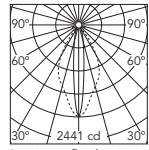
Recessed luminaire for direct lighting with LED. Elliptical lens 12°x48° incorporated. Remote transformer not included.

Luminaria empotrada de iluminación directa con LED. Incorpora lente elíptica 12°x48°. Transformador remoto no incluido.

3000K

L: 600 mm
17,3W - 2000 lm - 12 LEDs

03.3902.30C



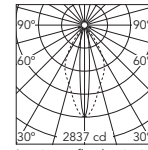
h(m)	E(lx)	D(m)
1	2441	0.23
2	610	0.46
3	271	0.69
4	153	0.92
5	98	1.15

Luminous flux luminaire: 906 lm
13° - C180: 0
53° - C270: 90

4000K

L: 600 mm
17,3W - 2100 lm - 12 LEDs

03.3922.30C

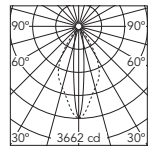


h(m)	E(lx)	D(m)
1	2837	0.21
2	709	0.42
3	315	0.63
4	177	0.84
5	113	1.06

Luminous flux luminaire: 1007 lm
12° - C180: 0
51° - C270: 90

L: 900 mm
26W - 3000 lm - 18 LEDs

03.3903.30C

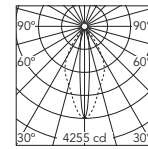


h(m)	E(lx)	D(m)
1	3662	0.23
2	916	0.46
3	407	0.69
4	229	0.92
5	146	1.15

Luminous flux luminaire: 1360 lm
13° - C180: 0
53° - C270: 90

L: 900 mm
26W - 3150 lm - 18 LEDs

03.3923.30C

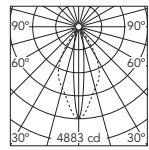


h(m)	E(lx)	D(m)
1	4255	0.21
2	1064	0.42
3	473	0.63
4	266	0.84
5	170	1.06

Luminous flux luminaire: 1510 lm
12° - C180: 0
51° - C270: 90

L: 1200 mm
34,7W - 4000 lm - 24 LEDs

03.3904.30C

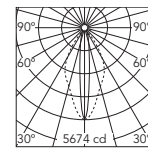


h(m)	E(lx)	D(m)
1	4883	0.23
2	1221	0.46
3	543	0.69
4	305	0.92
5	195	1.15

Luminous flux luminaire: 1813 lm
13° - C180: 0
53° - C270: 90

L: 1200 mm
34,7W - 4200 lm - 24 LEDs

03.3924.30C



h(m)	E(lx)	D(m)
1	5674	0.21
2	1418	0.42
3	630	0.63
4	355	0.84
5	227	1.06

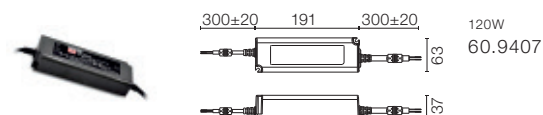
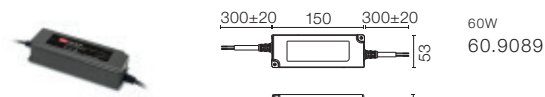
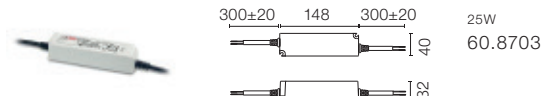
Luminous flux luminaire: 2014 lm
12° - C180: 0
51° - C270: 90

LED CURTAIN

Drivers / Equipos

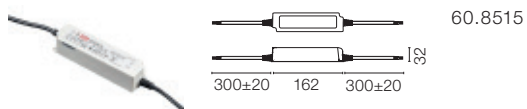
Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.



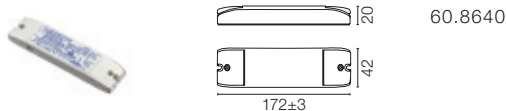
Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V. For independent use.

Transformador electrónico de tensión constante (24V) para LED. 60W. 100/240V. Para uso independiente.



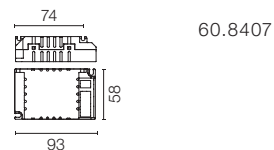
Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V con 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



Dimmable DALI control unit with 3 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable DALI con 3 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



Connection cable between modules with Tyco fast connection cable.

Cable de unión entre módulos con conexión rápida tipo Tyco.



L: 100 mm
06.1032.00
L: 500 mm
06.1033.00

Power cable with Tyco fast connection cable. Maximum supply length 3 metres.

Cable de alimentación con conexión rápida tipo Tyco. Máxima longitud a alimentar 3 metros.



L: 500 mm
06.1034.00

DOWNLIGHTS

Kap, Bon Jour, Light Shooter,
Light Sniper, UT Downlight, Light Supply,
Pure Downlight, Compass, Anthony Downlight,
Wan Downlight, Light Soldier, Decofix,
Johnny, Compass Box Recessed,
Battery, Micro Battery.

KAP

DESIGNED BY FLOS ARCHITECTURAL

KAP Ø50
FIXEDKAP Ø50
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

KAP 80/
KAP 80 PLUS
FIXEDKAP 80/
KAP 80 PLUS
WALL-WASHERKAP 80/
KAP 80 PLUS
ADJUSTABLE

LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm**
**Only for KAP 80

LIGHT SOURCE
QR-CBC 51
GX5.3
max 50W



LED Retrofit
Compatible*

LIGHT SOURCE
PAR 16
GZ10
max 50W



LED Retrofit
Compatible*

LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm**
**Only for KAP 80

LIGHT SOURCE
LED
QR-CBC 51
GX5.3
max 50W



LED Retrofit
Compatible*

LIGHT SOURCE
LED
PAR 16
GZ10
max 50W



LED Retrofit
Compatible*

KAP Ø105
FIXED

LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

KAP Ø105
WALL-WASHER

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LED
PAR 16
GZ10

KAP Ø105
ADJUSTABLE

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

KAP Ø105
DEEP

LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

KAP 105
SQUARE
FIXED

LIGHT SOURCE
PHOSPHOR
LED
17W
1400 lm
2700K/CRI 98
3000K/CRI 98

LIGHT SOURCE
LED ARRAY
17W
1800 lm
2700K/CRI 90
2000 lm
3000K/CRI 90

LIGHT SOURCE
LED
QR-CBC 51
GX5.3

LED
PAR 16
GZ10

KAP Ø145
FIXED

LIGHT SOURCE
PHOSPHOR
LED
17W
1400 lm
2700K/CRI 98
3000K/CRI 98

KAP Ø145
WALL-WASHER

LIGHT SOURCE
LED ARRAY
17W
1800 lm
2700K/CRI 90
2000 lm
3000K/CRI 90

KAP Ø145
DEEP

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

EASY KAP Ø50
FIXED



EASY KAP Ø50
ADJUSTABLE



LIGHT SOURCE
LED ARRAY
7,5W
595 lm
2700K/CRI 90
635 lm
3000K/CRI 90

EASY KAP 80/
EASY KAP 80 PLUS
FIXED



LIGHT SOURCE
LED ARRAY
max 13W
1370 lm
2700K/CRI 90
1460 lm
3000K/CRI 90

EASY KAP 80/
EASY KAP 80 PLUS
WALL-WASHER



LIGHT SOURCE
LED ARRAY
13W
1800K-2850K
CRI 95
Dim To Warm**
**Only for KAP 80

LIGHT SOURCE
QR-CBC 51
GX5.3
max 50W

LED Retrofit
Compatible*

EASY KAP 80/
EASY KAP 80
PLUS ADJUSTABLE



LIGHT SOURCE
PAR 16
GZ10
max 50W

LED Retrofit
Compatible*

EASY KAP Ø105
FIXED



LIGHT SOURCE
LED ARRAY
23W
2690 lm
2700K/CRI 90
2870 lm
3000K/CRI 90

EASY KAP Ø105
WALL-WASHER




LIGHT SOURCE
LED
QR-CBC 51
GX5.3

EASY KAP Ø105
ADJUSTABLE




LIGHT SOURCE
LED
PAR 16
GZ10

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

 B1 White
B1 Blanco




 GL Matt Gold
GL Oro Mate



 BU Blue
BU Azul



 74 Black
74 Negro



 CU Copper
CU Cobre



Description

Luminaire for embedded installation in ceilings for LEDs lamps.

The Easy Kap version has an aluminium injected body for the 50, 80 and 105 mm versions, with a liquid paint, dust and/or metallic copper finish with a glass or plastic diffuser depending on the version. It does not need a pre-installation frame.

The Kap version has an aluminium-injected body with a liquid paint and metallic copper finish. Available in three diameters: 50 mm, 80 mm, 105 mm and 145 mm.

Main optics in shiny anodised aluminium with a glass or plastic diffuser element, depending on the version.

Lamp holder with a dissipating element in injected aluminium and a thermoplastic embedding ring for the optic body.

Power Supply

Easy Kap 50/80/105 LED and Kap 50 and 80: Remote equipment not included.

Kap 105/145 LED/Kap 80 and Easy Kap 80 Dim To Warm: 1-10V remote equipment included. The output voltage of the equipment must always be less than 60Vdc.

Accessories

Pre-installation frame for the round and square Kap 50 and 80 and 105 version.

Available for installation on cement.

Additional Information

IP20, IP23, IP43, IP44, IP54 protection grade depending on the versions.

Insulation class I, II, III depending on the versions.

- KAP 50 / 80 / 105 / 145:

Thanks to remote-phosphor technology, the LED modules of the Phosphor LED version offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version.

The LED modules installed on the LED Array versions have cutting-edge technology that permits a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters yet still offer 20% added luminous flux.

The new "Dim To Warm" technology reproduces the effect of a traditional lamp, offering a warmer light by reducing the light intensity.

The "Dim To Warm" luminaires are dimmed through the 1-10V protocol.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria para ser instalada empotrada en techos para lámparas LED.

La versión Easy Kap dispone de cuerpo inyectado en aluminio para la versiones de 50, 80 y 105mm, con acabado en pintura líquida, polvo y/o cobre metalizado con cristal difusor opal incluido. No necesita pre-marco de instalación.

La versión Kap dispone de cuerpo inyectado en aluminio con acabado en pintura líquida y cobre metalizado. Está disponible en tres diámetros: 50mm, 80 mm, 105 mm y 145 mm.

Óptica principal realizada en aluminio anodizado brillo con elemento difusor realizado en cristal o plástico dependiendo de versiones.

Portalámparas con elemento disipador en aluminio inyectado y aro de empotramiento del cuerpo óptico en material termoplástico.

Unidades de Alimentación

Easy Kap 50/80/105 LED y Kap 50 y 80: equipo remoto no incluido.

Kap 105/145 LED/Kap 80 e Easy Kap 80 Dim To Warm: equipo remoto 1-10V incluido. El voltaje de salida del equipo debe ser siempre inferior a 60Vdc.

Accesorios

Pre-marco de instalación para las versiones Kap 50 y 80 redondo y cuadrado y 105 redondo.

Disponibles can para instalación en cemento.

Información Adicional

Índice de protección IP20, IP23, IP43, IP44, IP54, según las versiones.

Clase de aislamiento I, II, III, según las versiones.

- KAP 50 / 80 / 105 / 145:

Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones.

Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.

La nueva tecnología "Dim To Warm" reproduce el efecto de las viejas lámparas halógenas al ser reguladas, ofreciendo más calidez al reducir la intensidad luminica.

Las luminarias "Dim To Warm" se regulan mediante el protocolo 1-10V.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Easy Kap

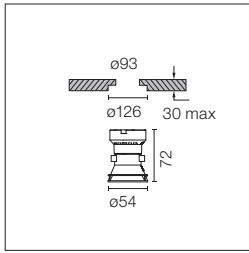


Kap

KAP

Kap Ø50 Fixed - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



GWT 850°

IP 54

0,14 Kg

h=100 min

LED INCL

CE

III

Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

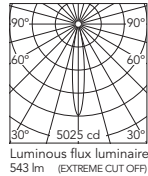
Recommended power supply / Equipos recomendados*:

- Non Dimmable 60.9160
- Dimmable 0-10V 60.9483
- Dimmable Dali 60.9604
- Mains Dimming 60.9421
- Casambi 60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7300.B1



Beam Angle: 15°

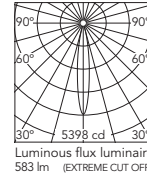
h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

Luminous flux luminaire 5025 cd

Luminous flux luminaire 543 lm (EXTREME CUT OFF)

3000K

05.7305.B1



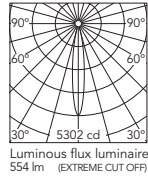
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

Luminous flux luminaire 5398 cd

Luminous flux luminaire 583 lm (EXTREME CUT OFF)

05.7300.GL



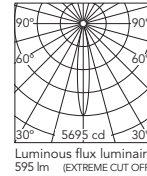
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

Luminous flux luminaire 5302 cd

Luminous flux luminaire 554 lm (EXTREME CUT OFF)

05.7305.GL



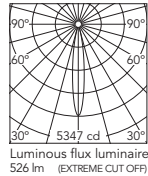
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

Luminous flux luminaire 5695 cd

Luminous flux luminaire 595 lm (EXTREME CUT OFF)

05.7300.BU



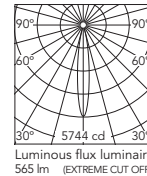
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

Luminous flux luminaire 5347 cd

Luminous flux luminaire 526 lm (EXTREME CUT OFF)

05.7305.BU



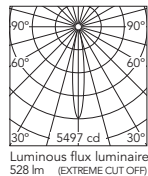
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

Luminous flux luminaire 5744 cd

Luminous flux luminaire 565 lm (EXTREME CUT OFF)

05.7300.74



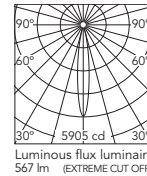
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

Luminous flux luminaire 5497 cd

Luminous flux luminaire 528 lm (EXTREME CUT OFF)

05.7305.74



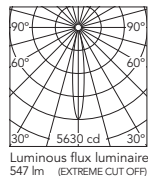
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

Luminous flux luminaire 5905 cd

Luminous flux luminaire 567 lm (EXTREME CUT OFF)

05.7300.CU



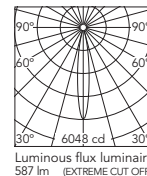
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

Luminous flux luminaire 5630 cd

Luminous flux luminaire 547 lm (EXTREME CUT OFF)

05.7305.CU



Beam Angle: 15°

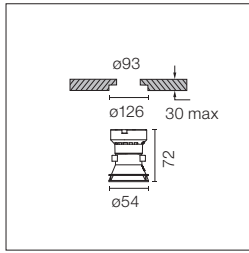
h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

Luminous flux luminaire 6048 cd

Luminous flux luminaire 587 lm (EXTREME CUT OFF)

Kap Ø50 Fixed - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

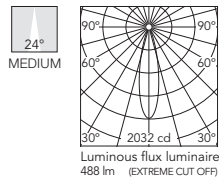
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

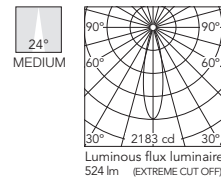
- Non Dimmable 60.9160
- Dimmable 0-10V 60.9483
- Dimmable Dali 60.9604
- Mains Dimming 60.9421
- Casambi 60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

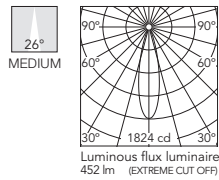
2700K
□ 05.7301.B1



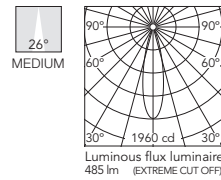
3000K
□ 05.7306.B1



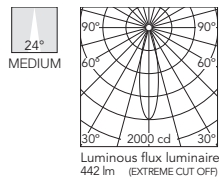
■ 05.7301.GL



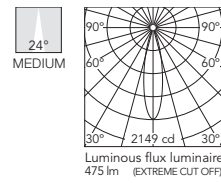
■ 05.7306.GL



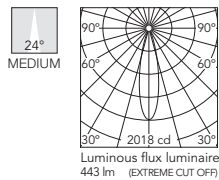
■ 05.7301.BU



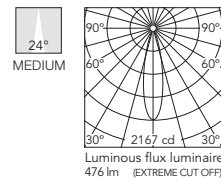
■ 05.7306.BU



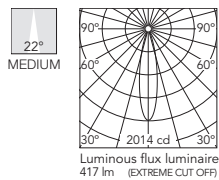
■ 05.7301.74



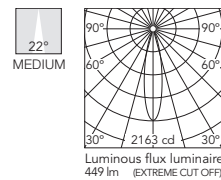
■ 05.7306.74



■ 05.7301.CU



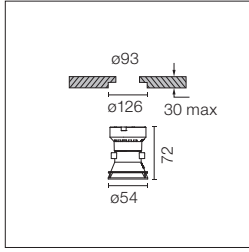
■ 05.7306.CU



KAP

Kap Ø50 Fixed - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



	GWT 850°	IP 54
	0,14 Kg	
	h=100 min	LED INCL

Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

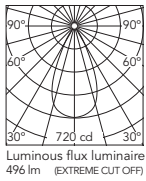
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

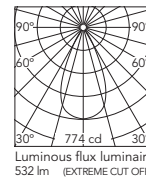
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
05.7302.B1



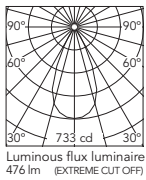
h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K
05.7307.B1



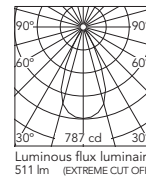
h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

05.7302.GL



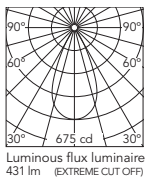
h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

05.7307.GL



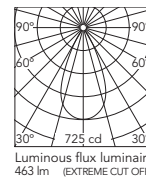
h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

05.7302.BU



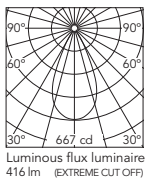
h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

05.7307.BU



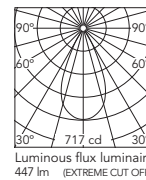
h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

05.7302.74



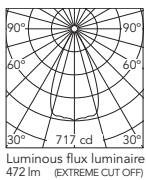
h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

05.7307.74



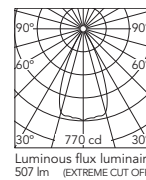
h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

05.7302.CU



h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

05.7307.CU

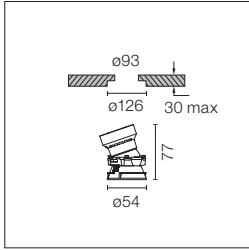


h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

KAP

Kap Ø50 Adjustable - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

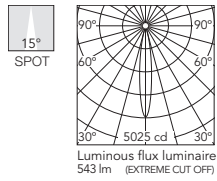
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

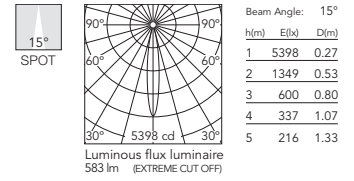
Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

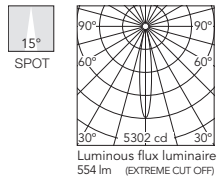
2700K
□ 05.7310.B1



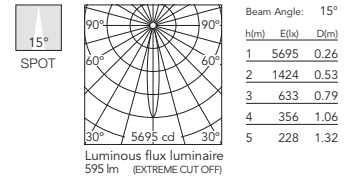
3000K
□ 05.7315.B1



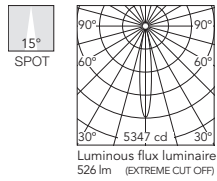
■ 05.7310.GL



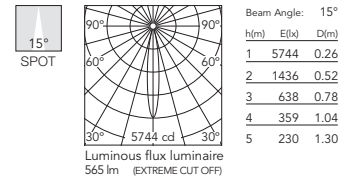
■ 05.7315.GL



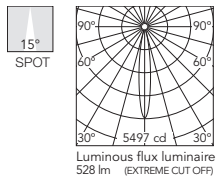
■ 05.7310.BU



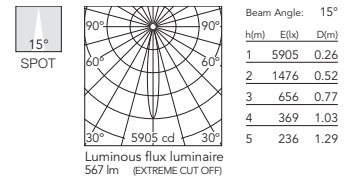
■ 05.7315.BU



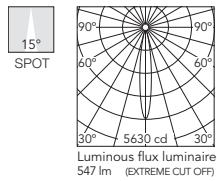
■ 05.7310.74



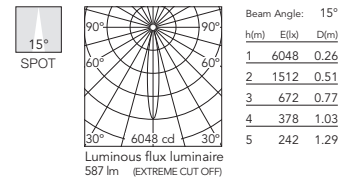
■ 05.7315.74



■ 05.7310.CU



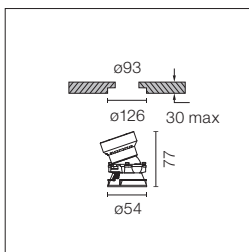
■ 05.7315.CU



KAP

Kap Ø50 Adjustable - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

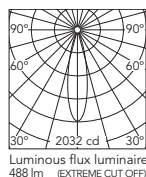
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7311.B1



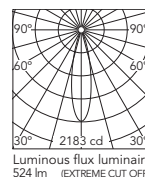
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

Luminous flux luminaire
488 lm (EXTREME CUT OFF)

3000K

05.7316.B1

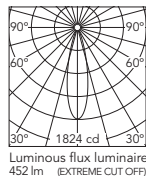


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

Luminous flux luminaire
524 lm (EXTREME CUT OFF)

05.7311.GL

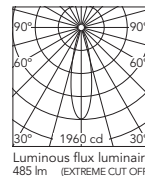


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

Luminous flux luminaire
452 lm (EXTREME CUT OFF)

05.7316.GL

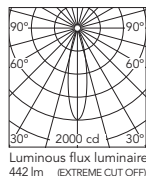


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

Luminous flux luminaire
485 lm (EXTREME CUT OFF)

05.7311.BU

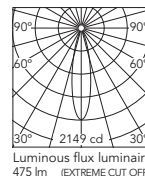


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

Luminous flux luminaire
442 lm (EXTREME CUT OFF)

05.7316.BU

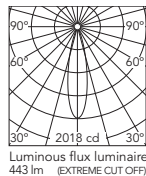


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

Luminous flux luminaire
475 lm (EXTREME CUT OFF)

05.7311.74

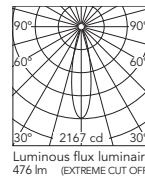


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

Luminous flux luminaire
443 lm (EXTREME CUT OFF)

05.7316.74

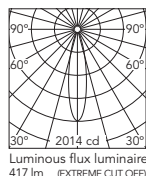


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

Luminous flux luminaire
476 lm (EXTREME CUT OFF)

05.7311.CU

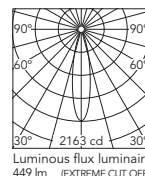


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

Luminous flux luminaire
417 lm (EXTREME CUT OFF)

05.7316.CU



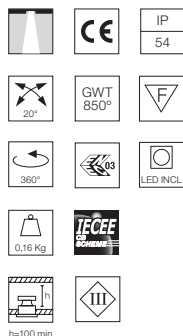
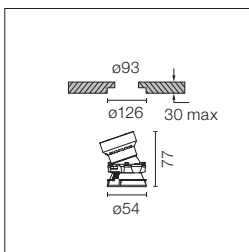
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

Luminous flux luminaire
449 lm (EXTREME CUT OFF)

Kap Ø50 Adjustable - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Remote power supply to be installed in an accessible place.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Fuente de alimentación remota para ser instalada en un lugar accesible.

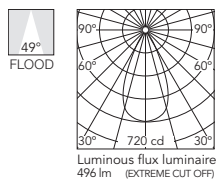
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

05.7312.B1

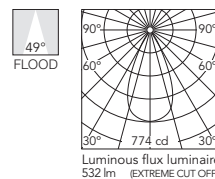


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

3000K

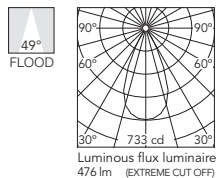
05.7317.B1



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

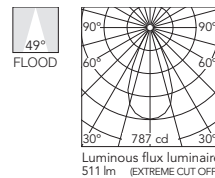
05.7312.GL



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

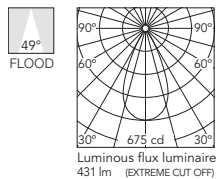
05.7317.GL



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

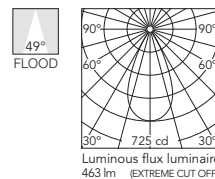
05.7312.BU



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

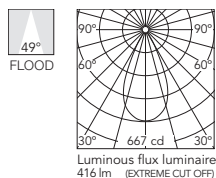
05.7317.BU



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

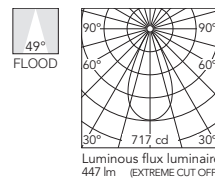
05.7312.74



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

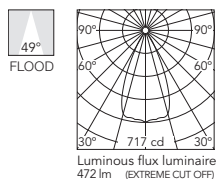
05.7317.74



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

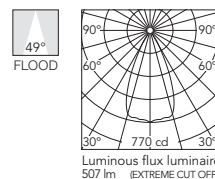
05.7312.CU



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

05.7317.CU



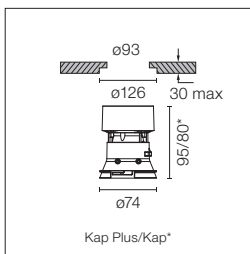
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

KAP

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Spot

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



- GWT 850°
- IP 54
- 0,24 Kg
- Kap Ø80
- h=150 mm h=91* mm
- Kap Ø80
- LED INCL
-
-

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

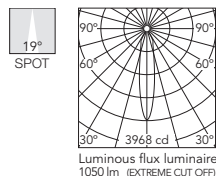
Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- Kap Ø80
- 03.4531.B1
- Kap Ø80 Plus
- 05.7451.B1



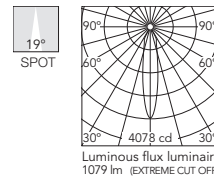
Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3968	0.34
2	992	0.68
3	441	1.02
4	248	1.36
5	159	1.70

Luminous flux luminaire 1050 lm (EXTREME CUT OFF)

3000K

- Kap Ø80
- 03.4530.B1
- Kap Ø80 Plus
- 05.7450.B1

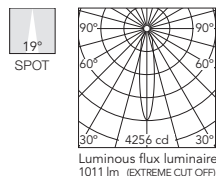


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4078	0.34
2	1019	0.68
3	453	1.02
4	255	1.36
5	163	1.70

Luminous flux luminaire 1079 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4531.GL
- Kap Ø80 Plus
- 05.7451.GL

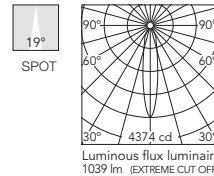


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4256	0.33
2	1064	0.67
3	473	1.00
4	266	1.33
5	170	1.66

Luminous flux luminaire 1011 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4530.GL
- Kap Ø80 Plus
- 05.7450.GL

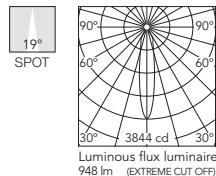


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4374	0.33
2	1093	0.67
3	486	1.00
4	273	1.33
5	175	1.66

Luminous flux luminaire 1039 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4531.BU
- Kap Ø80 Plus
- 05.7451.BU

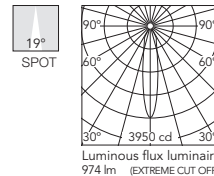


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3844	0.34
2	961	0.68
3	427	1.02
4	240	1.36
5	154	1.70

Luminous flux luminaire 948 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4530.BU
- Kap Ø80 Plus
- 05.7450.BU

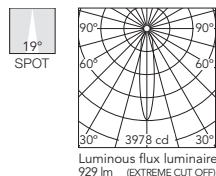


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3950	0.34
2	988	0.68
3	439	1.02
4	247	1.36
5	158	1.70

Luminous flux luminaire 974 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4531.74
- Kap Ø80 Plus
- 05.7451.74

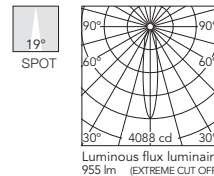


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	3978	0.33
2	994	0.66
3	442	0.99
4	249	1.31
5	159	1.64

Luminous flux luminaire 929 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4530.74
- Kap Ø80 Plus
- 05.7450.74

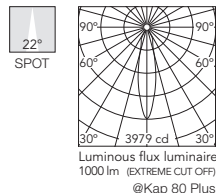


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	4088	0.33
2	1022	0.66
3	454	0.99
4	255	1.31
5	164	1.64

Luminous flux luminaire 955 lm (EXTREME CUT OFF)

- Kap Ø80
- 03.4531.CU
- Kap Ø80 Plus
- 05.7451.CU

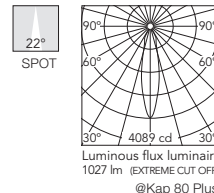


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	3979	0.40
2	995	0.79
3	442	1.19
4	249	1.58
5	159	1.98

Luminous flux luminaire 1000 lm (EXTREME CUT OFF)
 @Kap 80 Plus

- Kap Ø80
- 03.4530.CU
- Kap Ø80 Plus
- 05.7450.CU



Beam Angle: 22°

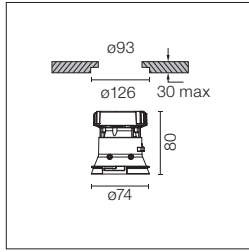
h(m)	E(lx)	D(m)
1	4089	0.40
2	1022	0.79
3	454	1.19
4	256	1.58
5	164	1.98

Luminous flux luminaire 1027 lm (EXTREME CUT OFF)
 @Kap 80 Plus

KAP

Kap Ø80 Fixed - Optic Spot - Dim To Warm

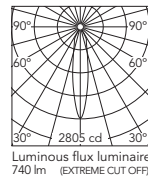
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

1800K-2850K
03.4530.B1.LE

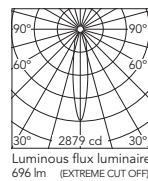


Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2805	0.35
2	701	0.69
3	312	1.04
4	175	1.39
5	112	1.74

Luminous flux luminaire
740 lm (EXTREME CUT OFF)

03.4530.GL.LE

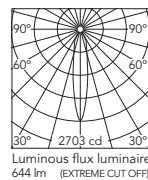


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2879	0.33
2	720	0.67
3	320	1.00
4	180	1.33
5	115	1.67

Luminous flux luminaire
696 lm (EXTREME CUT OFF)

03.4530.BU.LE

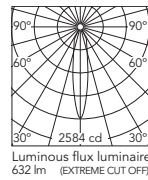


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2703	0.33
2	676	0.66
3	300	0.99
4	169	1.32
5	108	1.65

Luminous flux luminaire
644 lm (EXTREME CUT OFF)

03.4530.74.LE

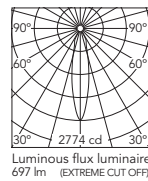


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2584	0.34
2	646	0.68
3	287	1.02
4	161	1.35
5	103	1.69

Luminous flux luminaire
632 lm (EXTREME CUT OFF)

03.4530.CU.LE



Beam Angle: 22°

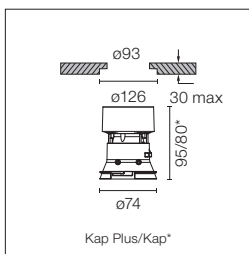
h(m)	E(lx)	D(m)
1	2774	0.38
2	693	0.76
3	308	1.14
4	173	1.53
5	111	1.91

Luminous flux luminaire
697 lm (EXTREME CUT OFF)

KAP

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Medium

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



GWT 850°
 IP 54
 0,24 Kg
 Kap Ø80
 h=150 mm h=91* mm
 CE
 LED INCL

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

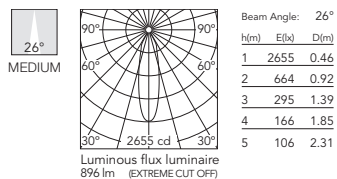
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

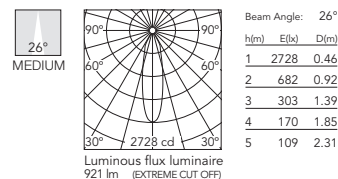
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

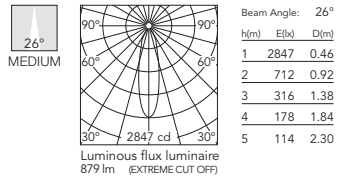
- 2700K**
 Kap Ø80
 03.4181.B1
 Kap Ø80 Plus
 05.7411.B1



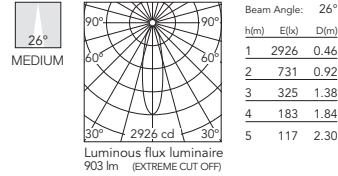
- 3000K**
 Kap Ø80
 03.4180.B1
 Kap Ø80 Plus
 05.7410.B1



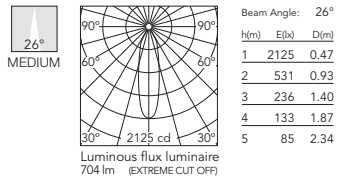
- Kap Ø80
 03.4181.GL
 Kap Ø80 Plus
 05.7411.GL



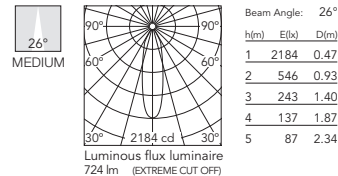
- Kap Ø80
 03.4180.GL
 Kap Ø80 Plus
 05.7410.GL



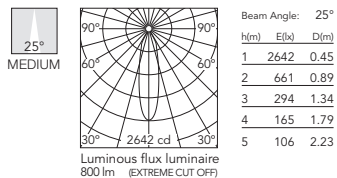
- Kap Ø80
 03.4181.BU
 Kap Ø80 Plus
 05.7411.BU



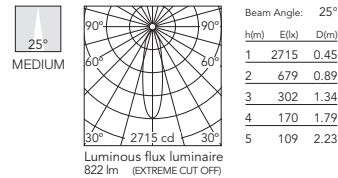
- Kap Ø80
 03.4180.BU
 Kap Ø80 Plus
 05.7410.BU



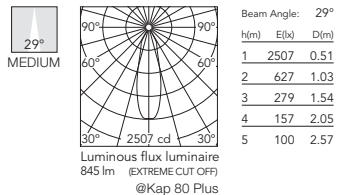
- Kap Ø80
 03.4181.74
 Kap Ø80 Plus
 05.7411.74



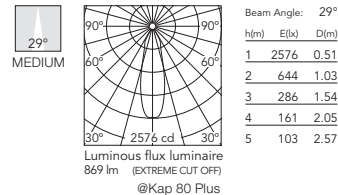
- Kap Ø80
 03.4180.74
 Kap Ø80 Plus
 05.7410.74



- Kap Ø80
 03.4181.CU
 Kap Ø80 Plus
 05.7411.CU



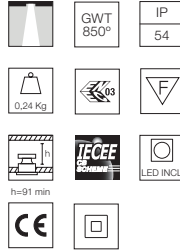
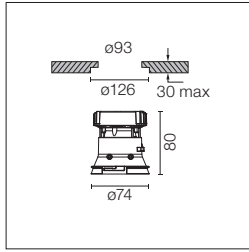
- Kap Ø80
 03.4180.CU
 Kap Ø80 Plus
 05.7410.CU



KAP

Kap Ø80 Fixed - Optic Medium - Dim To Warm

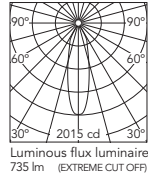
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

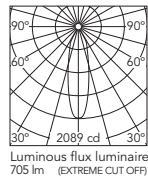
1800K-2850K
03.4180.B1.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2015	0.49
2	504	0.98
3	224	1.46
4	126	1.95
5	81	2.44

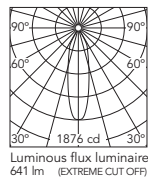
03.4180.GL.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2089	0.47
2	522	0.95
3	232	1.42
4	131	1.89
5	84	2.37

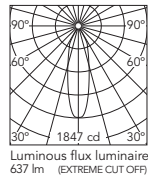
03.4180.BU.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1876	0.48
2	469	0.96
3	208	1.44
4	117	1.92
5	75	2.40

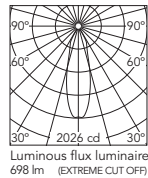
03.4180.74.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1847	0.49
2	462	0.98
3	205	1.47
4	115	1.96
5	74	2.45

03.4180.CU.LE



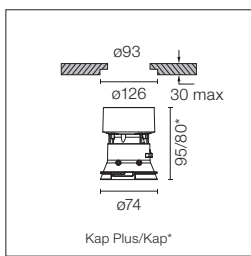
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2026	0.52
2	506	1.04
3	225	1.56
4	127	2.09
5	81	2.61

KAP

Kap Ø80/Kap Ø80 Plus - Fixed - Optic Flood

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



	GWT 850°		IP 54
	0,24 Kg		Kap Ø80
	h=150 mm h=91* mm		LED INCL
	CE		III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

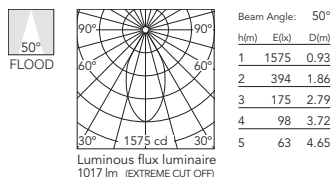
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

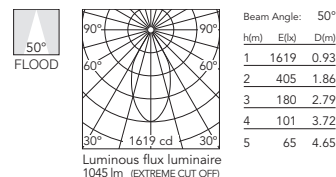
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

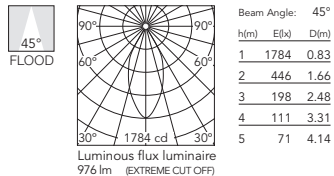
- 2700K**
 Kap Ø80
 03.4533.B1
 Kap Ø80 Plus
 05.7453.B1



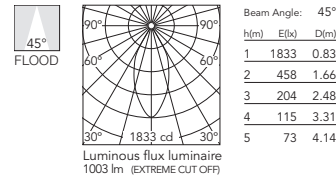
- 3000K**
 Kap Ø80
 03.4532.B1
 Kap Ø80 Plus
 05.7452.B1



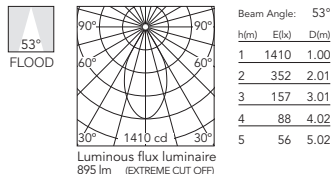
- Kap Ø80
 03.4533.GL
 Kap Ø80 Plus
 05.7453.GL



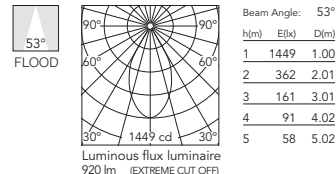
- Kap Ø80
 03.4532.GL
 Kap Ø80 Plus
 05.7452.GL



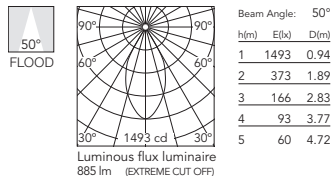
- Kap Ø80
 03.4533.BU
 Kap Ø80 Plus
 05.7453.BU



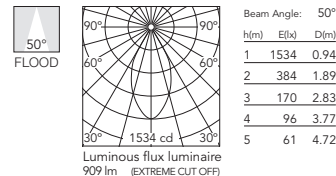
- Kap Ø80
 03.4532.BU
 Kap Ø80 Plus
 05.7452.BU



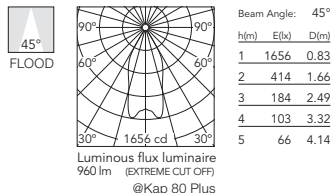
- Kap Ø80
 03.4533.74
 Kap Ø80 Plus
 05.7453.74



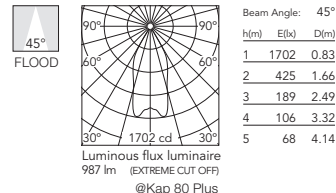
- Kap Ø80
 03.4532.74
 Kap Ø80 Plus
 05.7452.74



- Kap Ø80
 03.4533.CU
 Kap Ø80 Plus
 05.7453.CU



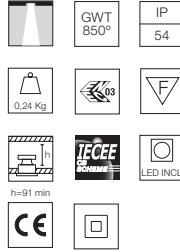
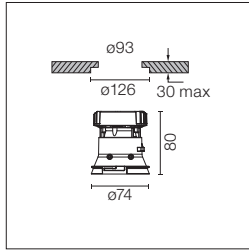
- Kap Ø80
 03.4532.CU
 Kap Ø80 Plus
 05.7452.CU



KAP

Kap Ø80 Fixed - Optic Flood - Dim To Warm

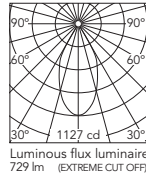
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

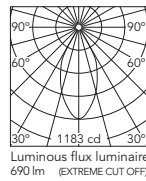
1800K-2850K
03.4532.B1.LE



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1127	0.92
2	282	1.83
3	125	2.75
4	70	3.67
5	45	4.59

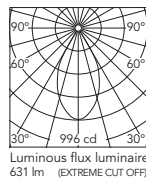
03.4532.GL.LE



Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1183	0.87
2	296	1.75
3	131	2.62
4	74	3.50
5	47	4.37

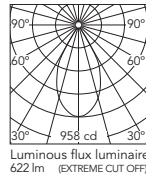
03.4532.BU.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	996	1.00
2	249	1.99
3	111	2.99
4	62	3.98
5	40	4.98

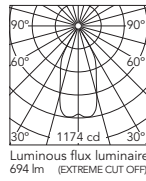
03.4532.74.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	958	1.02
2	239	2.04
3	106	3.06
4	60	4.09
5	38	5.11

03.4532.CU.LE



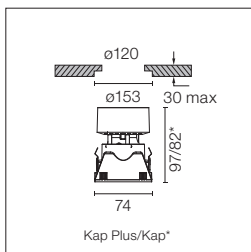
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1174	0.86
2	293	1.71
3	130	2.57
4	73	3.42
5	47	4.28

KAP

Kap 80/Kap 80 Plus Square - Fixed - Optic Spot

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



GWT 850°
 IP 54
 0,24 Kg
 Kap 80
 h=150 mm h=93° min
 Kap 80
 LED INCL
 CE
 III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

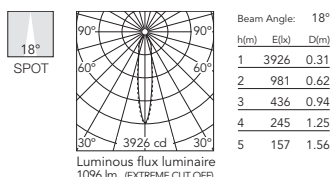
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

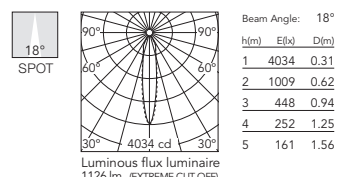
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

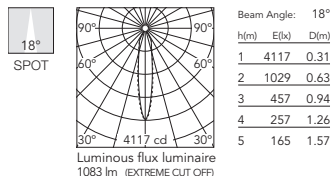
- 2700K**
 Kap 80
 03.4535.B1
 Kap 80 Plus
 05.7455.B1



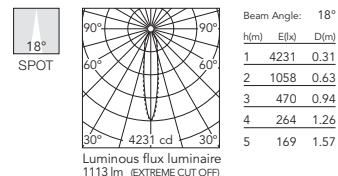
- 3000K**
 Kap 80
 03.4534.B1
 Kap 80 Plus
 05.7454.B1



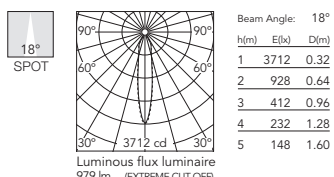
- Kap 80
 03.4535.GL
 Kap 80 Plus
 05.7455.GL



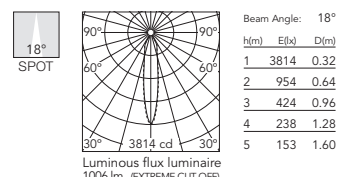
- Kap 80
 03.4534.GL
 Kap 80 Plus
 05.7454.GL



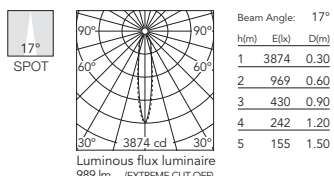
- Kap 80
 03.4535.BU
 Kap 80 Plus
 05.7455.BU



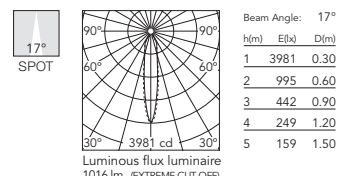
- Kap 80
 03.4534.BU
 Kap 80 Plus
 05.7454.BU



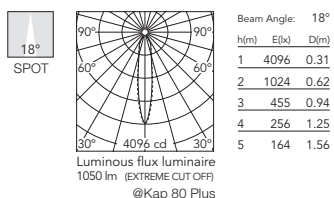
- Kap 80
 03.4535.74
 Kap 80 Plus
 05.7455.74



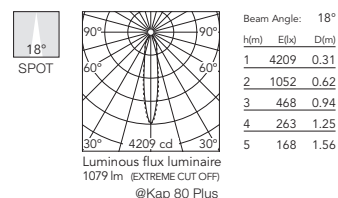
- Kap 80
 03.4534.74
 Kap 80 Plus
 05.7454.74



- Kap 80
 03.4535.CU
 Kap 80 Plus
 05.7455.CU



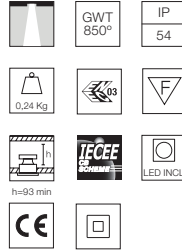
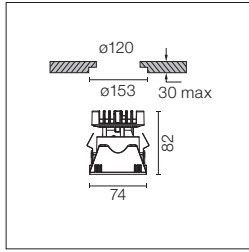
- Kap 80
 03.4534.CU
 Kap 80 Plus
 05.7454.CU



KAP

Kap 80 Square Fixed - Optic Spot - Dim To Warm

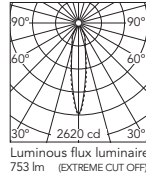
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

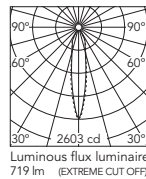
1800K-2850K
03.4534.B1.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

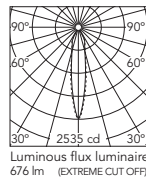
03.4534.GL.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2603	0.32
2	651	0.64
3	289	0.96
4	163	1.28
5	104	1.60

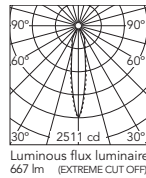
03.4534.BU.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2535	0.31
2	634	0.63
3	282	0.94
4	158	1.26
5	101	1.57

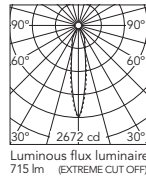
03.4534.74.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2511	0.31
2	628	0.63
3	279	0.94
4	157	1.25
5	100	1.57

03.4534.CU.LE



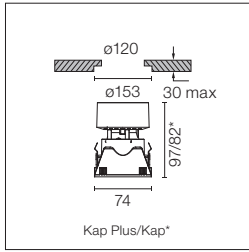
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2672	0.32
2	668	0.64
3	297	0.96
4	167	1.29
5	107	1.61

KAP

Kap 80/Kap 80 Plus Square - Fixed - Optic Medium

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Icons for GWT 850°, IP 54, 0,24 Kg, Kap 80, IFCEE, LED INCL, CE, and other certifications.

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

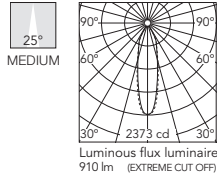
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

Table with 3 columns: Light source type (Non Dimmable, Dimmable 0/1-10V, etc.), Kap Ø80, and Kap Ø80 Plus.

* Refer to the Drivers chapter / Ver capítulo Drivers

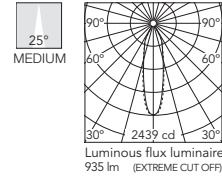
- 2700K Kap 80
03.4183.B1 Kap 80 Plus
05.7413.B1



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 910 lm (EXTREME CUT OFF)

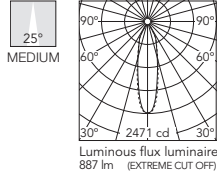
- 3000K Kap 80
03.4182.B1 Kap 80 Plus
05.7412.B1



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 935 lm (EXTREME CUT OFF)

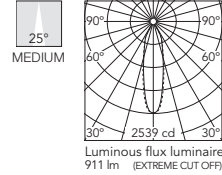
- Kap 80
03.4183.GL Kap 80 Plus
05.7413.GL



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 887 lm (EXTREME CUT OFF)

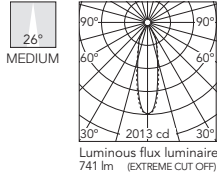
- Kap 80
03.4182.GL Kap 80 Plus
05.7412.GL



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 911 lm (EXTREME CUT OFF)

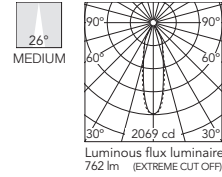
- Kap 80
03.4183.BU Kap 80 Plus
05.7413.BU



Beam Angle: 26° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 741 lm (EXTREME CUT OFF)

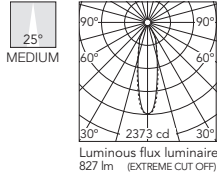
- Kap 80
03.4182.BU Kap 80 Plus
05.7412.BU



Beam Angle: 26° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 762 lm (EXTREME CUT OFF)

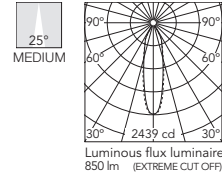
- Kap 80
03.4183.74 Kap 80 Plus
05.7413.74



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 827 lm (EXTREME CUT OFF)

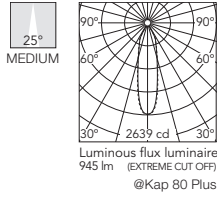
- Kap 80
03.4182.74 Kap 80 Plus
05.7412.74



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 850 lm (EXTREME CUT OFF)

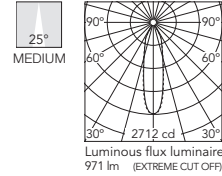
- Kap 80
03.4183.CU Kap 80 Plus
05.7413.CU



Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 945 lm (EXTREME CUT OFF) @Kap 80 Plus

- Kap 80
03.4182.CU Kap 80 Plus
05.7412.CU



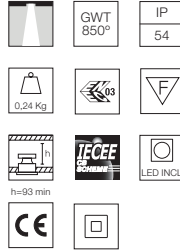
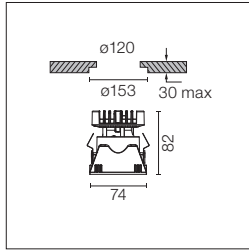
Beam Angle: 25° table with columns h(m), E(lx), D(m) and rows 1-5.

Luminous flux luminaire 971 lm (EXTREME CUT OFF) @Kap 80 Plus

KAP

Kap 80 Square Fixed - Optic Medium - Dim To Warm

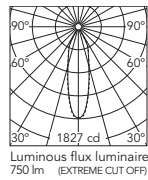
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

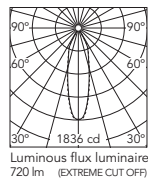
1800K-2850K
03.4182.B1.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

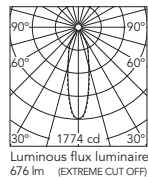
03.4182.GL.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1836	0.49
2	459	0.98
3	204	1.47
4	115	1.95
5	73	2.44

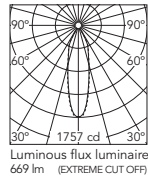
03.4182.BU.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1774	0.48
2	444	0.96
3	197	1.44
4	111	1.92
5	71	2.40

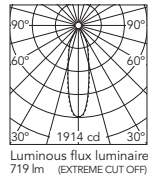
03.4182.74.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1757	0.48
2	439	0.96
3	195	1.44
4	110	1.93
5	70	2.41

03.4182.CU.LE



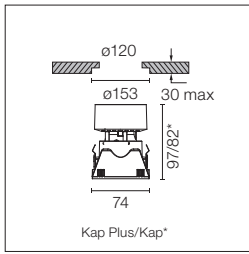
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1914	0.48
2	478	0.95
3	213	1.43
4	120	1.90
5	77	2.38

KAP

Kap 80/Kap 80 Plus Square - Fixed - Optic Flood

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



GWT 850° **IP** 54

0,24 Kg

h=150 mm
h=98* mm

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

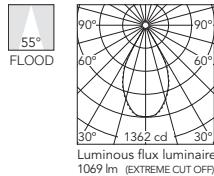
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

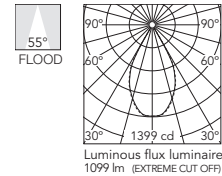
- 2700K**
- Kap 80
 03.4537.B1
 Kap 80 Plus
 05.7457.B1



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

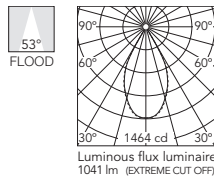
- 3000K**
- Kap 80
 03.4536.B1
 Kap 80 Plus
 05.7456.B1



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

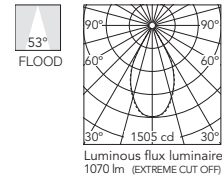
- Kap 80
 03.4537.GL
 Kap 80 Plus
 05.7457.GL



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1464	1.00
2	366	2.00
3	163	3.00
4	92	4.00
5	59	5.01

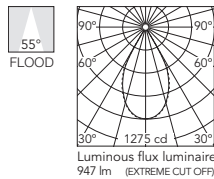
- Kap 80
 03.4536.GL
 Kap 80 Plus
 05.7456.GL



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1505	1.00
2	376	2.00
3	167	3.00
4	94	4.00
5	60	5.01

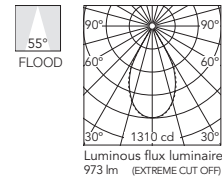
- Kap 80
 03.4537.BU
 Kap 80 Plus
 05.7457.BU



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1275	1.04
2	319	2.09
3	142	3.13
4	80	4.18
5	51	5.22

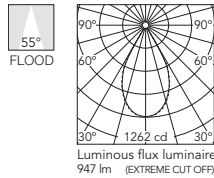
- Kap 80
 03.4536.BU
 Kap 80 Plus
 05.7456.BU



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1310	1.04
2	327	2.09
3	146	3.13
4	82	4.18
5	52	5.22

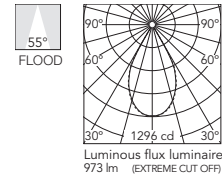
- Kap 80
 03.4537.74
 Kap 80 Plus
 05.7457.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1262	1.05
2	315	2.10
3	140	3.16
4	79	4.21
5	50	5.26

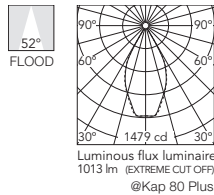
- Kap 80
 03.4536.74
 Kap 80 Plus
 05.7456.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1296	1.05
2	324	2.10
3	144	3.16
4	81	4.21
5	52	5.26

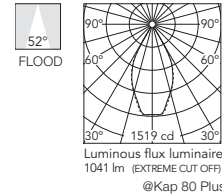
- Kap 80
 03.4537.CU
 Kap 80 Plus
 05.7457.CU



Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1479	0.97
2	370	1.93
3	164	2.90
4	92	3.87
5	59	4.84

- Kap 80
 03.4536.CU
 Kap 80 Plus
 05.7456.CU



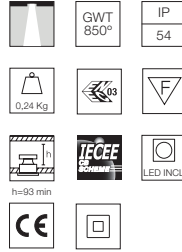
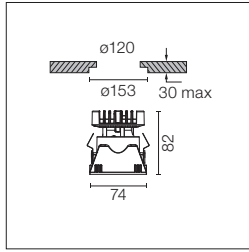
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1519	0.97
2	380	1.93
3	169	2.90
4	95	3.87
5	61	4.84

KAP

Kap 80 Square Fixed - Optic Flood - Dim To Warm

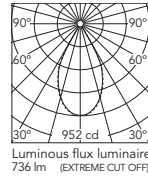
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

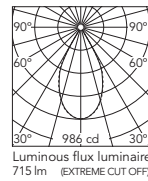
1800K-2850K
03.4536.B1.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

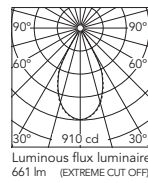
03.4536.GL.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	1.00
2	247	2.01
3	110	3.01
4	62	4.01
5	39	5.02

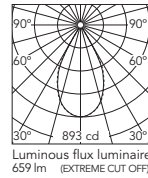
03.4536.BU.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	910	1.02
2	227	2.05
3	101	3.07
4	57	4.09
5	36	5.12

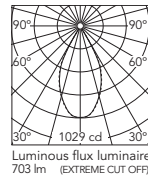
03.4536.74.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	893	1.03
2	223	2.05
3	99	3.08
4	56	4.11
5	36	5.14

03.4536.CU.LE



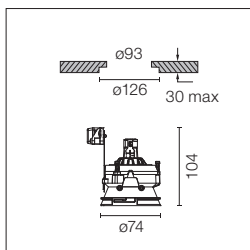
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1029	0.97
2	257	1.94
3	114	2.92
4	64	3.89
5	41	4.86

KAP

Kap Ø80 Fixed

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



GWT
850°

A*→E

Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara
de 12V. Transformador remoto no
incluido.
Accesorios de lentes no disponibles.



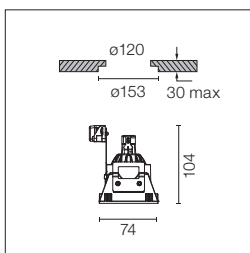
IP
23



03.4228.B1
03.4228.GL
03.4228.BU
03.4228.74
03.4228.CU

Kap 80 Square Fixed

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



GWT
850°

A*→E

Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara
de 12V. Transformador remoto no
incluido.
Accesorios de lentes no disponibles.



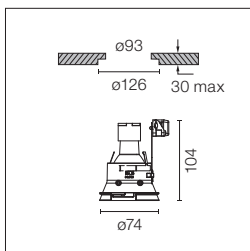
IP
23



03.4226.B1
03.4226.GL
03.4226.BU
03.4226.74
03.4226.CU

Kap Ø80 Fixed

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



GWT
850°

A
D→E

Recessed luminaire with main
voltage source.
Not suitable for lens accessories.

Luminaria empotrable con
alimentación directa a red.
Accesorios de lentes no disponibles.



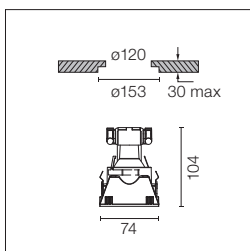
IP
23



03.4229.B1
03.4229.GL
03.4229.BU
03.4229.74
03.4229.CU

Kap 80 Square Fixed

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



GWT
850°

A
D→E

Recessed luminaire with main
voltage source.
Not suitable for lens accessories.

Luminaria empotrable con
alimentación directa a red.
Accesorios de lentes no disponibles.



IP
23

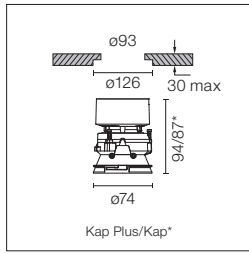


03.4227.B1
03.4227.GL
03.4227.BU
03.4227.74
03.4227.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Spot

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



IP 54
 GWT 850°
 20°
 360°
 0,24 Kg
 h=150 min h=91* min
 LED INCL
 Kap Ø80 Plus
 Kap Ø80
 III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

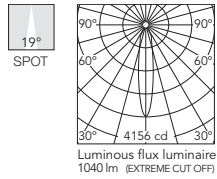
Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

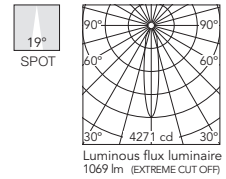
2700K

- Kap Ø80
- 03.4539.B1
- Kap Ø80 Plus
- 05.7459.B1

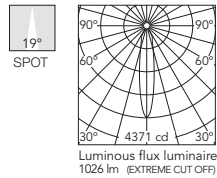


3000K

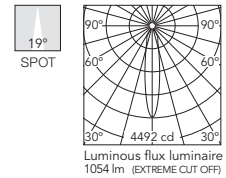
- Kap Ø80
- 03.4538.B1
- Kap Ø80 Plus
- 05.7458.B1



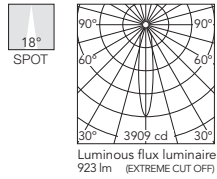
- Kap Ø80
- 03.4539.GL
- Kap Ø80 Plus
- 05.7459.GL



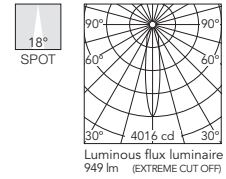
- Kap Ø80
- 03.4538.GL
- Kap Ø80 Plus
- 05.7458.GL



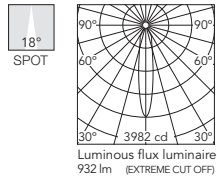
- Kap Ø80
- 03.4539.BU
- Kap Ø80 Plus
- 05.7459.BU



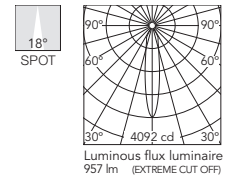
- Kap Ø80
- 03.4538.BU
- Kap Ø80 Plus
- 05.7458.BU



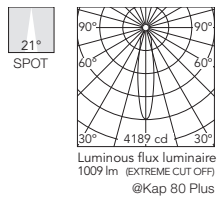
- Kap Ø80
- 03.4539.74
- Kap Ø80 Plus
- 05.7459.74



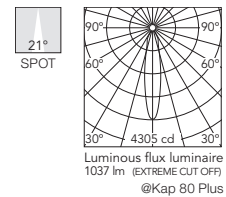
- Kap Ø80
- 03.4538.74
- Kap Ø80 Plus
- 05.7458.74



- Kap Ø80
- 03.4539.CU
- Kap Ø80 Plus
- 05.7459.CU



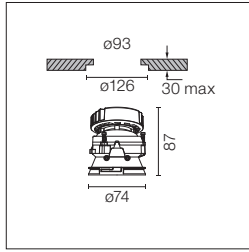
- Kap Ø80
- 03.4538.CU
- Kap Ø80 Plus
- 05.7458.CU



KAP

Kap Ø80 Adjustable - Optic Spot - Dim To Warm

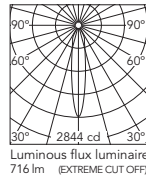
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

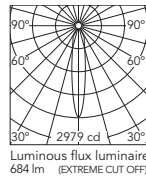
1800K-2850K
03.4538.B1.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

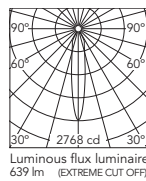
03.4538.GL.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2979	0.30
2	745	0.61
3	331	0.91
4	186	1.21
5	119	1.52

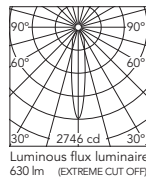
03.4538.BU.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2768	0.31
2	692	0.61
3	308	0.92
4	173	1.22
5	111	1.53

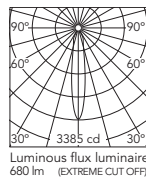
03.4538.74.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2746	0.31
2	687	0.61
3	305	0.92
4	172	1.22
5	110	1.53

03.4538.CU.LE

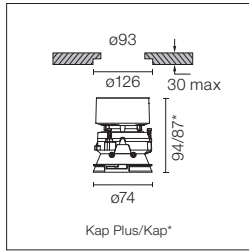


Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3385	0.30
2	846	0.60
3	376	0.90
4	212	1.20
5	135	1.50

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Medium

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

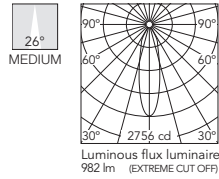
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Kap Ø80
 03.4185.B1
 Kap Ø80 Plus
 05.7415.B1

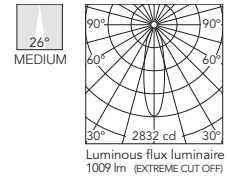


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2756	0.47
2	689	0.93
3	306	1.40
4	172	1.87
5	110	2.33

Luminous flux luminaire 982 lm (EXTREME CUT OFF)

- 3000K**
 Kap Ø80
 03.4184.B1
 Kap Ø80 Plus
 05.7414.B1

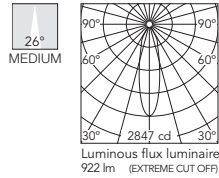


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2832	0.47
2	708	0.93
3	315	1.40
4	177	1.87
5	113	2.33

Luminous flux luminaire 1009 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4185.GL
 Kap Ø80 Plus
 05.7415.GL

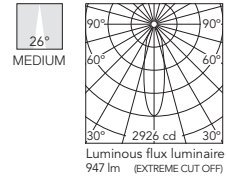


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.93
3	316	1.39
4	178	1.85
5	114	2.32

Luminous flux luminaire 922 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4184.GL
 Kap Ø80 Plus
 05.7414.GL

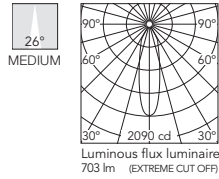


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.93
3	325	1.39
4	183	1.85
5	117	2.32

Luminous flux luminaire 947 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4185.BU
 Kap Ø80 Plus
 05.7415.BU

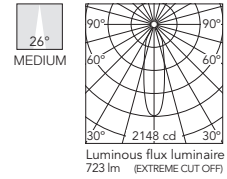


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2090	0.47
2	522	0.94
3	232	1.40
4	131	1.87
5	84	2.34

Luminous flux luminaire 703 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4184.BU
 Kap Ø80 Plus
 05.7414.BU

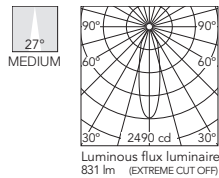


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2148	0.47
2	537	0.94
3	239	1.40
4	134	1.87
5	86	2.34

Luminous flux luminaire 723 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4185.74
 Kap Ø80 Plus
 05.7415.74

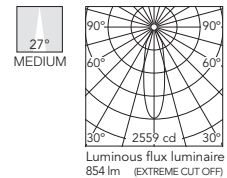


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2490	0.47
2	622	0.95
3	277	1.42
4	156	1.89
5	100	2.37

Luminous flux luminaire 831 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4184.74
 Kap Ø80 Plus
 05.7414.74

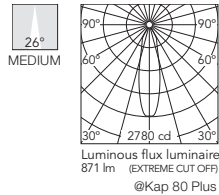


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2559	0.47
2	640	0.95
3	284	1.42
4	160	1.89
5	102	2.37

Luminous flux luminaire 854 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4185.CU
 Kap Ø80 Plus
 05.7415.CU

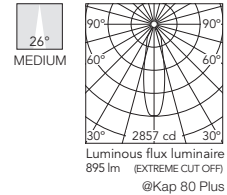


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2780	0.47
2	695	0.93
3	309	1.40
4	174	1.86
5	111	2.33

Luminous flux luminaire 871 lm (EXTREME CUT OFF)
 @Kap 80 Plus

- Kap Ø80
 03.4184.CU
 Kap Ø80 Plus
 05.7414.CU



Beam Angle: 26°

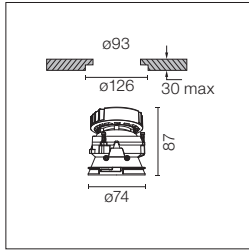
h(m)	E(lx)	D(m)
1	2857	0.47
2	714	0.93
3	317	1.40
4	179	1.86
5	114	2.33

Luminous flux luminaire 895 lm (EXTREME CUT OFF)
 @Kap 80 Plus

KAP

Kap Ø80 Adjustable - Optic Medium - Dim To Warm

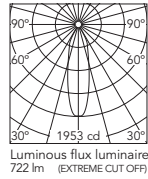
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

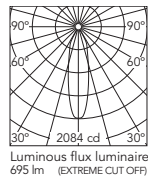
1800K-2850K
03.4184.B1.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

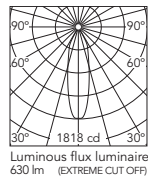
03.4184.GL.LE



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2084	0.46
2	521	0.92
3	232	1.38
4	130	1.85
5	83	2.31

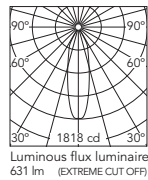
03.4184.BU.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	454	0.98
3	202	1.47
4	114	1.96
5	73	2.45

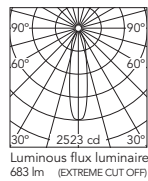
03.4184.74.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	455	0.99
3	202	1.48
4	114	1.97
5	73	2.46

03.4184.CU.LE

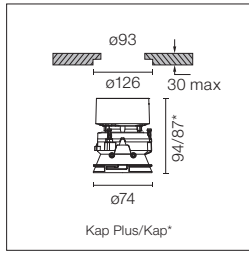


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2523	0.39
2	631	0.78
3	280	1.17
4	158	1.56
5	101	1.95

Kap Ø80/Kap Ø80 Plus - Adjustable - Optic Flood

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



IP 54
 GWT 850°
 360°
 LED INCL
 Kap Ø80 Plus
 0,24 Kg
 h=150 min h=91* min
 III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

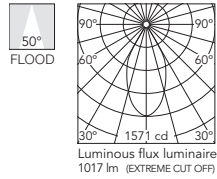
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Kap Ø80
 03.4541.B1
 Kap Ø80 Plus
 05.7461.B1

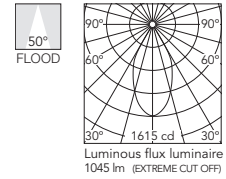


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

Luminous flux luminaire 1017 lm (EXTREME CUT OFF)

- 3000K**
 Kap Ø80
 03.4540.B1
 Kap Ø80 Plus
 05.7460.B1

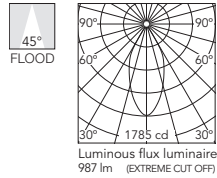


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

Luminous flux luminaire 1045 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4541.GL
 Kap Ø80 Plus
 05.7461.GL

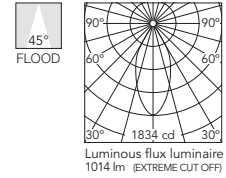


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1785	0.83
2	446	1.67
3	198	2.50
4	112	3.34
5	71	4.17

Luminous flux luminaire 987 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4540.GL
 Kap Ø80 Plus
 05.7460.GL

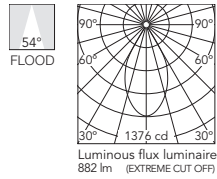


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1834	0.83
2	458	1.67
3	204	2.50
4	115	3.34
5	73	4.17

Luminous flux luminaire 1014 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4541.BU
 Kap Ø80 Plus
 05.7461.BU

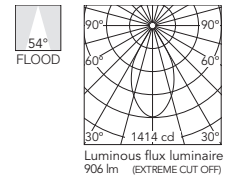


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1376	1.01
2	344	2.03
3	153	3.04
4	86	4.05
5	55	5.07

Luminous flux luminaire 882 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4540.BU
 Kap Ø80 Plus
 05.7460.BU

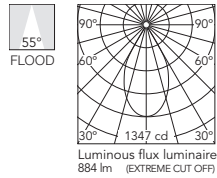


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1414	1.01
2	353	2.03
3	157	3.04
4	88	4.05
5	57	5.07

Luminous flux luminaire 906 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4541.74
 Kap Ø80 Plus
 05.7461.74

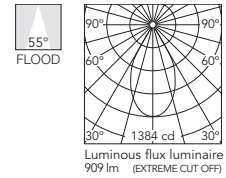


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1347	1.04
2	337	2.08
3	150	3.12
4	84	4.16
5	54	5.20

Luminous flux luminaire 884 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4540.74
 Kap Ø80 Plus
 05.7460.74

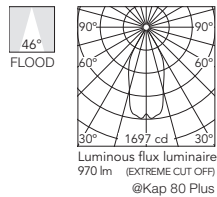


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1384	1.04
2	346	2.08
3	154	3.12
4	87	4.16
5	55	5.20

Luminous flux luminaire 909 lm (EXTREME CUT OFF)

- Kap Ø80
 03.4541.CU
 Kap Ø80 Plus
 05.7461.CU

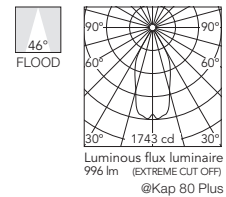


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1697	0.85
2	424	1.70
3	189	2.55
4	106	3.40
5	68	4.26

Luminous flux luminaire 970 lm (EXTREME CUT OFF)
 @Kap 80 Plus

- Kap Ø80
 03.4540.CU
 Kap Ø80 Plus
 05.7460.CU



Beam Angle: 46°

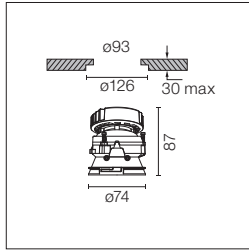
h(m)	E(lx)	D(m)
1	1743	0.85
2	436	1.70
3	194	2.55
4	109	3.40
5	70	4.26

Luminous flux luminaire 996 lm (EXTREME CUT OFF)
 @Kap 80 Plus

KAP

Kap Ø80 Adjustable - Optic Flood - Dim To Warm

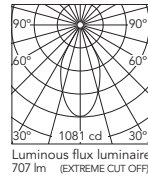
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office.
Lente difusora incluida.

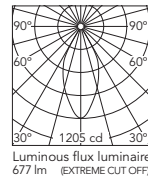
1800K-2850K
03.4540.B1.LE



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

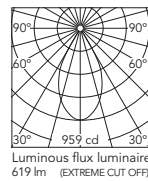
03.4540.GL.LE



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1205	0.85
2	301	1.71
3	134	2.56
4	75	3.41
5	48	4.26

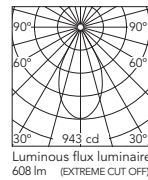
03.4540.BU.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	959	1.01
2	240	2.02
3	107	3.03
4	60	4.04
5	38	5.05

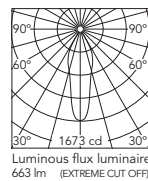
03.4540.74.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	943	1.01
2	236	2.03
3	105	3.04
4	59	4.06
5	38	5.07

03.4540.CU.LE

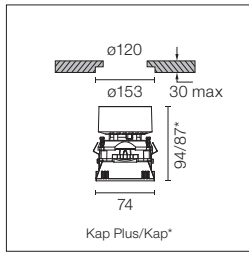


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1673	0.49
2	418	0.97
3	186	1.46
4	105	1.94
5	67	2.43

Kap 80/Kap 80 Plus Square - Adjustable - Optic Spot

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



IP 54
 GWT 850°
 20°
 360°
 0,24 Kg
 h=150 min h=91° min
 LED INCL
 Kap 80
 Kap 80 Plus
 III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

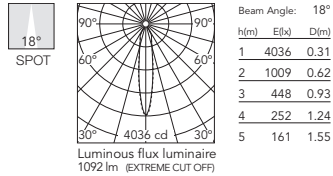
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

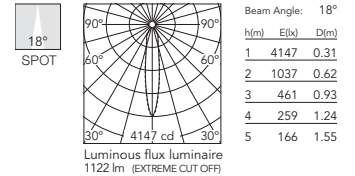
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

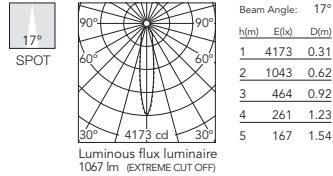
- 2700K**
 Kap 80
 03.4543.B1
 Kap 80 Plus
 05.7463.B1



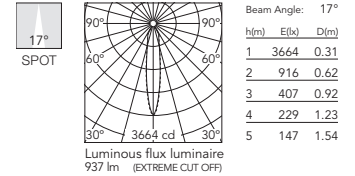
- 3000K**
 Kap 80
 03.4542.B1
 Kap 80 Plus
 05.7462.B1



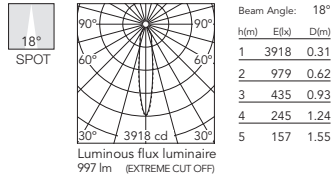
- Kap 80
 03.4543.GL
 Kap 80 Plus
 05.7463.GL



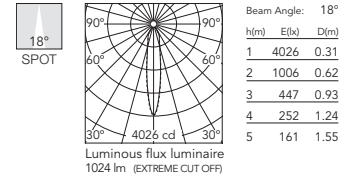
- Kap 80
 03.4542.GL
 Kap 80 Plus
 05.7462.GL



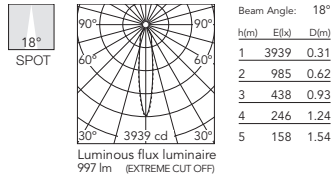
- Kap 80
 03.4543.BU
 Kap 80 Plus
 05.7463.BU



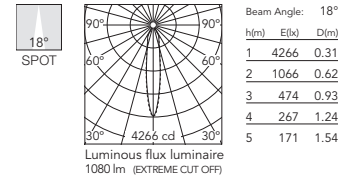
- Kap 80
 03.4542.BU
 Kap 80 Plus
 05.7462.BU



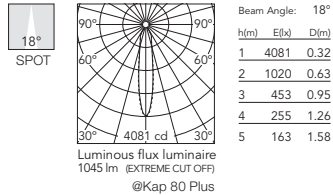
- Kap 80
 03.4543.74
 Kap 80 Plus
 05.7463.74



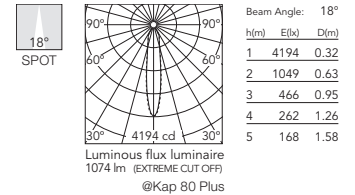
- Kap 80
 03.4542.74
 Kap 80 Plus
 05.7462.74



- Kap 80
 03.4543.CU
 Kap 80 Plus
 05.7463.CU



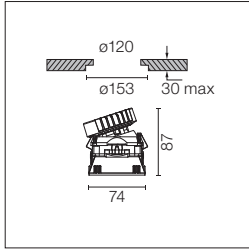
- Kap 80
 03.4542.CU
 Kap 80 Plus
 05.7462.CU



KAP

Kap 80 Square Adjustable - Optic Spot - Dim To Warm

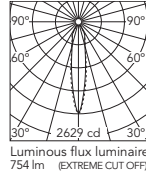
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

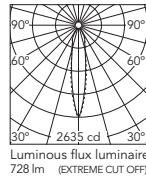
1800K-2850K
03.4542.B1.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

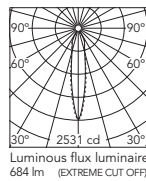
03.4542.GL.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2635	0.32
2	659	0.63
3	293	0.95
4	165	1.26
5	105	1.58

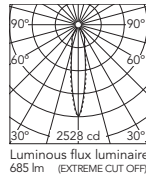
03.4542.BU.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2531	0.31
2	633	0.63
3	281	0.94
4	158	1.26
5	101	1.57

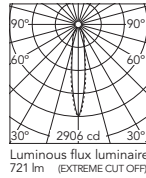
03.4542.74.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2528	0.31
2	632	0.63
3	281	0.94
4	158	1.25
5	101	1.57

03.4542.CU.LE



Beam Angle: 17°

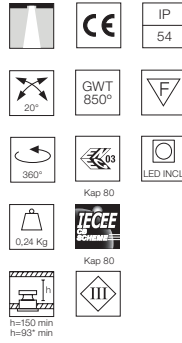
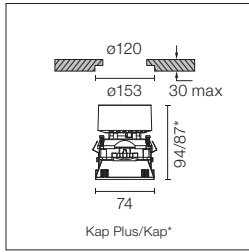
h(m)	E(lx)	D(m)
1	2906	0.30
2	726	0.59
3	323	0.89
4	182	1.18
5	116	1.48

KAP

Kap 80/Kap 80 Plus Square - Adjustable - Optic Medium

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90

Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

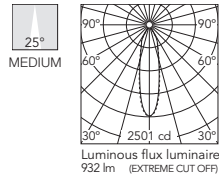
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

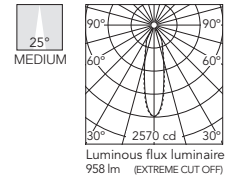
* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
Kap 80
□ 03.4187.B1
Kap 80 Plus
□ 05.7417.B1



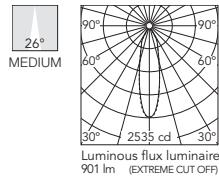
Beam Angle: 25°	h(m)	E(lx)	D(m)
1	2501	0.44	
2	625	0.88	
3	278	1.32	
4	156	1.76	
5	100	2.20	

- 3000K**
Kap 80
□ 03.4186.B1
Kap 80 Plus
□ 05.7416.B1



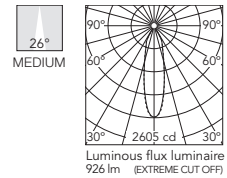
Beam Angle: 25°	h(m)	E(lx)	D(m)
1	2570	0.44	
2	643	0.88	
3	286	1.32	
4	161	1.76	
5	103	2.20	

- Kap 80
■ 03.4187.GL
Kap 80 Plus
■ 05.7417.GL



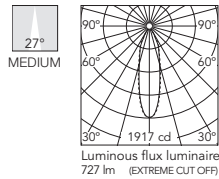
Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2535	0.46	
2	634	0.91	
3	282	1.37	
4	158	1.83	
5	101	2.28	

- Kap 80
■ 03.4186.GL
Kap 80 Plus
■ 05.7416.GL



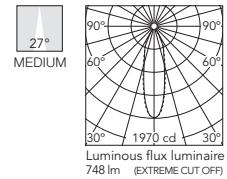
Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2605	0.46	
2	651	0.91	
3	289	1.37	
4	163	1.83	
5	104	2.28	

- Kap 80
■ 03.4187.BU
Kap 80 Plus
■ 05.7417.BU



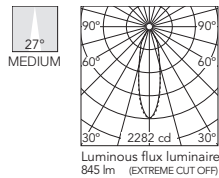
Beam Angle: 27°	h(m)	E(lx)	D(m)
1	1917	0.47	
2	479	0.94	
3	213	1.41	
4	120	1.88	
5	77	2.36	

- Kap 80
■ 03.4186.BU
Kap 80 Plus
■ 05.7416.BU



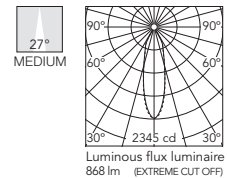
Beam Angle: 27°	h(m)	E(lx)	D(m)
1	1970	0.47	
2	492	0.94	
3	219	1.41	
4	123	1.88	
5	79	2.36	

- Kap 80
■ 03.4187.74
Kap 80 Plus
■ 05.7417.74



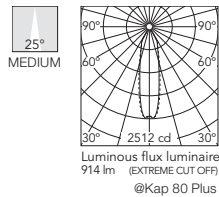
Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2282	0.49	
2	570	0.97	
3	254	1.46	
4	143	1.94	
5	91	2.43	

- Kap 80
■ 03.4186.74
Kap 80 Plus
■ 05.7416.74



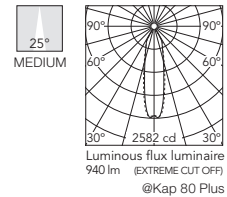
Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2345	0.49	
2	586	0.97	
3	261	1.46	
4	147	1.94	
5	94	2.43	

- Kap 80
■ 03.4187.CU
Kap 80 Plus
■ 05.7417.CU



Beam Angle: 25°	h(m)	E(lx)	D(m)
1	2512	0.44	
2	628	0.87	
3	279	1.31	
4	157	1.75	
5	100	2.18	

- Kap 80
■ 03.4186.CU
Kap 80 Plus
■ 05.7416.CU

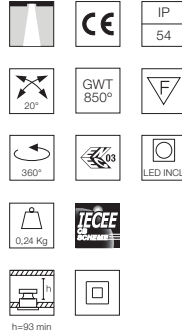
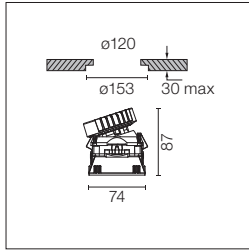


Beam Angle: 25°	h(m)	E(lx)	D(m)
1	2582	0.44	
2	645	0.87	
3	287	1.31	
4	161	1.75	
5	103	2.18	

KAP

Kap 80 Square Adjustable - Optic Medium - Dim To Warm

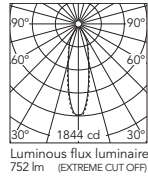
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

1800K-2850K
03.4186.B1.LE

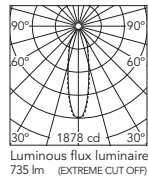


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

Luminous flux luminaire
752 lm (EXTREME CUT OFF)

03.4186.GL.LE

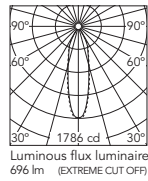


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1878	0.47
2	470	0.95
3	209	1.42
4	117	1.89
5	75	2.37

Luminous flux luminaire
735 lm (EXTREME CUT OFF)

03.4186.BU.LE

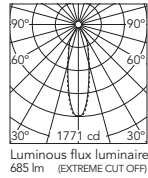


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1786	0.47
2	447	0.95
3	198	1.42
4	112	1.89
5	71	2.37

Luminous flux luminaire
696 lm (EXTREME CUT OFF)

03.4186.74.LE

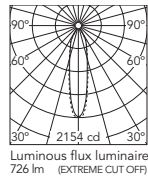


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1771	0.48
2	443	0.96
3	197	1.44
4	111	1.93
5	71	2.41

Luminous flux luminaire
685 lm (EXTREME CUT OFF)

03.4186.CU.LE



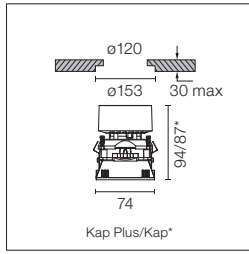
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2154	0.40
2	538	0.79
3	239	1.19
4	135	1.59
5	86	1.98

Luminous flux luminaire
726 lm (EXTREME CUT OFF)

Kap 80/Kap 80 Plus Square - Adjustable - Optic Flood

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



IP 54
 GWT 850°
 20°
 360°
 0,24 Kg
 h=150 min h=95° min
 LED INCL
 Kap 80 Plus/Kap*
 Kap 80
 III

Recessed luminaire with LED light source. Power supply not included. Diffusing lens included.

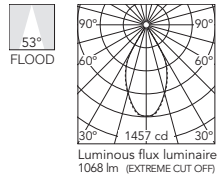
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

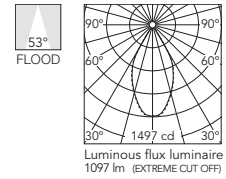
* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Kap 80
 03.4545.B1
 Kap 80 Plus
 05.7465.B1



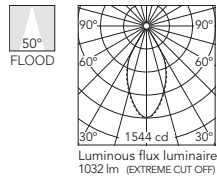
h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

- 3000K**
 Kap 80
 03.4544.B1
 PlusPro
 05.7464.B1



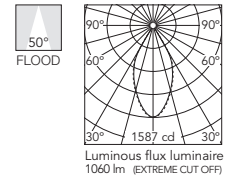
h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

- Kap 80
 03.4545.GL
 Kap 80 Plus
 05.7465.GL



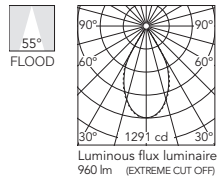
h(m)	E(lx)	D(m)
1	1544	0.93
2	386	1.86
3	172	2.79
4	96	3.72
5	62	4.65

- Kap 80
 03.4544.GL
 Kap 80 Plus
 05.7464.GL



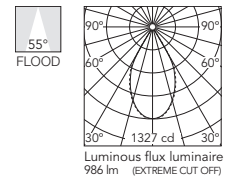
h(m)	E(lx)	D(m)
1	1587	0.93
2	397	1.86
3	176	2.79
4	99	3.72
5	63	4.65

- Kap 80
 03.4545.BU
 Kap 80 Plus
 05.7465.BU



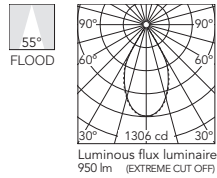
h(m)	E(lx)	D(m)
1	1291	1.05
2	323	2.09
3	143	3.14
4	81	4.19
5	52	5.23

- Kap 80
 03.4544.BU
 Kap 80 Plus
 05.7464.BU



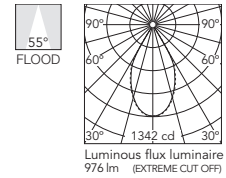
h(m)	E(lx)	D(m)
1	1327	1.05
2	332	2.09
3	147	3.14
4	83	4.19
5	53	5.23

- Kap 80
 03.4545.74
 Kap 80 Plus
 05.7465.74



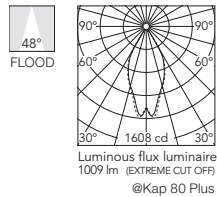
h(m)	E(lx)	D(m)
1	1306	1.04
2	326	2.08
3	145	3.11
4	82	4.15
5	52	5.19

- Kap 80
 03.4544.74
 Kap 80 Plus
 05.7464.74



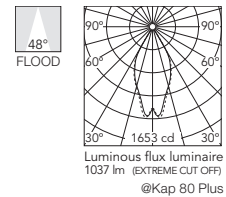
h(m)	E(lx)	D(m)
1	1342	1.04
2	335	2.08
3	149	3.11
4	84	4.15
5	54	5.19

- Kap 80
 03.4545.CU
 Kap 80 Plus
 05.7465.CU



h(m)	E(lx)	D(m)
1	1608	0.88
2	402	1.77
3	179	2.65
4	101	3.53
5	64	4.42

- Kap 80
 03.4544.CU
 Kap 80 Plus
 05.7464.CU

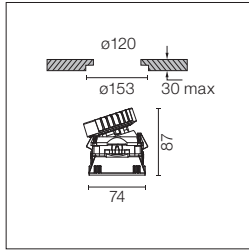


h(m)	E(lx)	D(m)
1	1653	0.88
2	413	1.77
3	184	2.65
4	103	3.53
5	66	4.42

KAP

Kap 80 Square Adjustable - Optic Flood - Dim To Warm

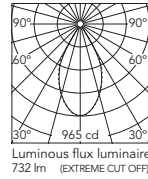
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

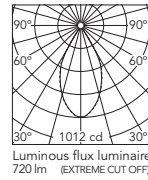
1800K-2850K
03.4544.B1.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

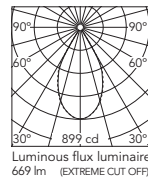
03.4544.GL.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1012	0.99
2	253	1.98
3	112	2.97
4	63	3.96
5	40	4.95

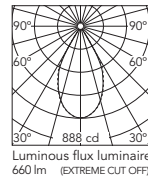
03.4544.BU.LE



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	899	1.04
2	225	2.08
3	100	3.12
4	56	4.16
5	36	5.21

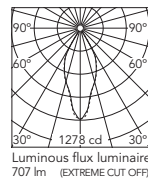
03.4544.74.LE



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	888	1.04
2	222	2.07
3	99	3.11
4	55	4.15
5	36	5.18

03.4544.CU.LE



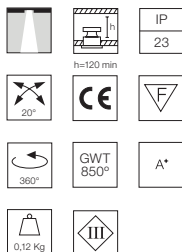
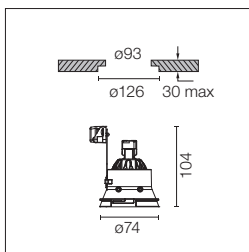
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1278	0.75
2	319	1.50
3	142	2.25
4	80	3.00
5	51	3.75

KAP

Kap Ø80 Adjustable

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



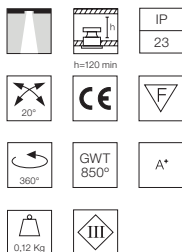
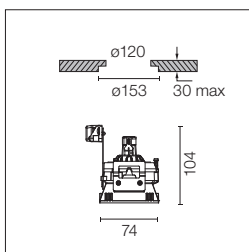
IP 23
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

03.4236.B1
03.4236.GL
03.4236.BU
03.4236.74
03.4236.CU

Kap 80 Square Adjustable

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



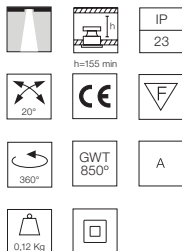
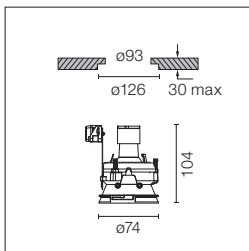
IP 23
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

03.4234.B1
03.4234.GL
03.4234.BU
03.4234.74
03.4234.CU

Kap Ø80 Adjustable

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



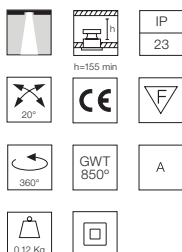
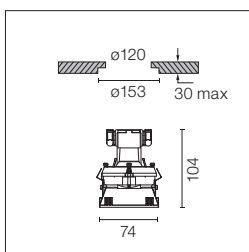
IP 23
Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

03.4237.B1
03.4237.GL
03.4237.BU
03.4237.74
03.4237.CU

Kap 80 Square Adjustable

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



IP 23
Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

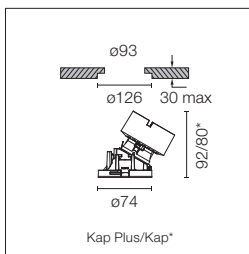
03.4235.B1
03.4235.GL
03.4235.BU
03.4235.74
03.4235.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

KAP

Kap Ø80/Kap Ø80 Plus - Wall-Washer

Light Source: Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



	GWT 850°	IP 54

Recessed luminaire with LED light source. Power supply not included. Elliptical lens included.

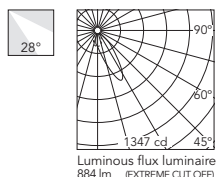
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

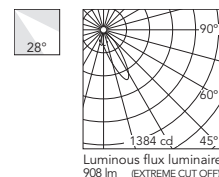
	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

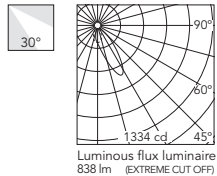
- 2700K**
 Kap Ø80
 03.4189.B1
 Kap Ø80 Plus
 05.7421.B1



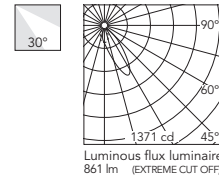
- 3000K**
 Kap Ø80
 03.4188.B1
 Kap Ø80 Plus
 05.7420.B1



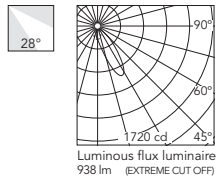
- Kap Ø80
 03.4189.GL
 Kap Ø80 Plus
 05.7421.GL



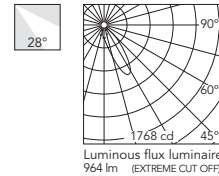
- Kap Ø80
 03.4188.GL
 Kap Ø80 Plus
 05.7420.GL



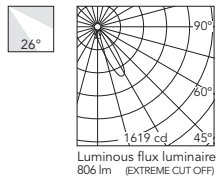
- Kap Ø80
 03.4189.BU
 Kap Ø80 Plus
 05.7421.BU



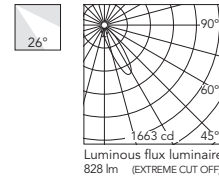
- Kap Ø80
 03.4188.BU
 Kap Ø80 Plus
 05.7420.BU



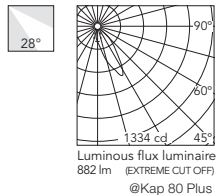
- Kap Ø80
 03.4189.74
 Kap Ø80 Plus
 05.7421.74



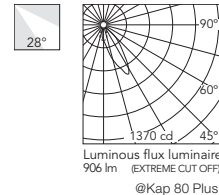
- Kap Ø80
 03.4188.74
 Kap Ø80 Plus
 05.7420.74



- Kap Ø80
 03.4189.CU
 Kap Ø80 Plus
 05.7421.CU



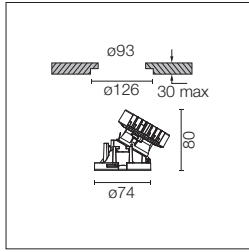
- Kap Ø80
 03.4188.CU
 Kap Ø80 Plus
 05.7420.CU



KAP

Kap Ø80 Wall-Washer - Dim To Warm

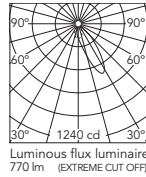
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

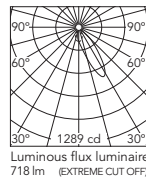
1800K-2850K
03.4188.B1.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

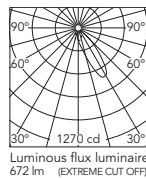
03.4188.GL.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1289	0.63
2	322	1.25
3	143	1.88
4	81	2.50
5	52	3.13

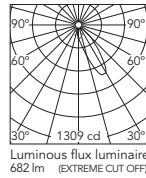
03.4188.BU.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1270	0.65
2	317	1.30
3	141	1.96
4	79	2.61
5	51	3.26

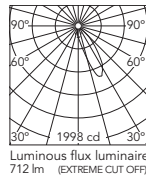
03.4188.74.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1309	0.64
2	327	1.28
3	145	1.92
4	82	2.56
5	52	3.20

03.4188.CU.LE



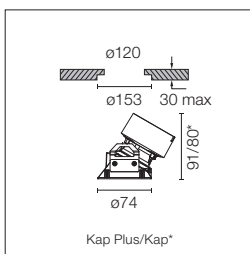
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1998	0.60
2	500	1.20
3	222	1.80
4	125	2.40
5	80	3.00

KAP

Kap 80/Kap 80 Plus - Square Wall-Washer

Light Source: Kap 80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Kap 80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Elliptical lens included.

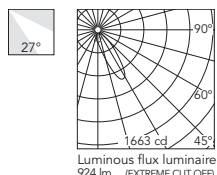
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

	Kap Ø80	Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

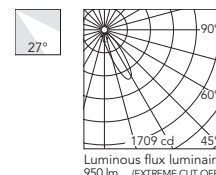
- 2700K**
 Kap 80
 03.4191.B1
 Kap 80 Plus
 05.7423.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1663	0.62
2	416	1.24
3	185	1.85
4	104	2.47
5	67	3.09

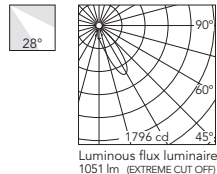
- 3000K**
 Kap 80
 03.4190.B1
 Kap 80 Plus
 05.7422.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1709	0.62
2	427	1.24
3	190	1.85
4	107	2.47
5	68	3.09

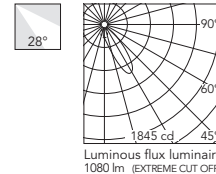
- Kap 80
 03.4191.GL
 Kap 80 Plus
 05.7423.GL



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1796	0.68
2	449	1.36
3	200	2.04
4	112	2.72
5	72	3.40

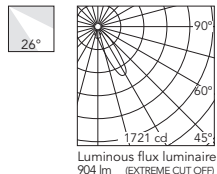
- Kap 80
 03.4190.GL
 Kap 80 Plus
 05.7422.GL



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1845	0.68
2	461	1.36
3	205	2.04
4	115	2.72
5	74	3.40

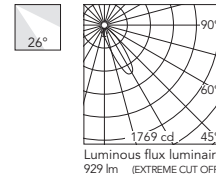
- Kap 80
 03.4191.BU
 Kap 80 Plus
 05.7423.BU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1721	0.63
2	430	1.25
3	191	1.88
4	108	2.51
5	69	3.14

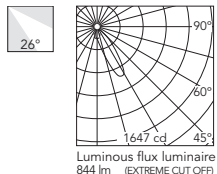
- Kap 80
 03.4190.BU
 Kap 80 Plus
 05.7422.BU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1769	0.63
2	442	1.25
3	197	1.88
4	111	2.51
5	71	3.14

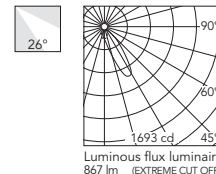
- Kap 80
 03.4191.74
 Kap 80 Plus
 05.7423.74



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1647	0.59
2	412	1.19
3	183	1.78
4	103	2.37
5	66	2.97

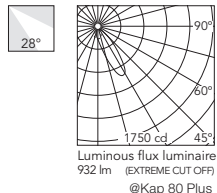
- Kap 80
 03.4190.74
 Kap 80 Plus
 05.7422.74



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1693	0.59
2	423	1.19
3	188	1.78
4	106	2.37
5	68	2.97

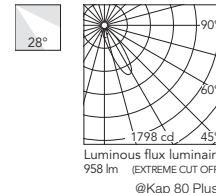
- Kap 80
 03.4191.CU
 Kap 80 Plus
 05.7423.CU



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1750	0.64
2	437	1.29
3	194	1.93
4	109	2.57
5	70	3.21

- Kap 80
 03.4190.CU
 Kap 80 Plus
 05.7422.CU



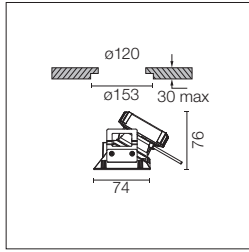
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1798	0.64
2	450	1.29
3	200	1.93
4	112	2.57
5	72	3.21

KAP

Kap 80 Square Wall-Washer - Dim To Warm

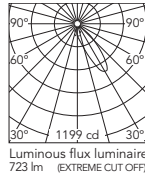
Light Source: LED Array DC 300mA - 13W - max 940lm - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Lente difusora incluida.

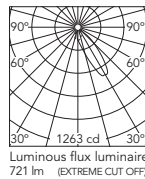
1800K-2850K
03.4190.B1.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

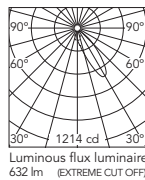
03.4190.GL.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1263	0.69
2	316	1.38
3	140	2.07
4	79	2.75
5	51	3.44

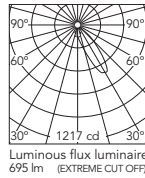
03.4190.BU.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1214	0.68
2	304	1.35
3	135	2.03
4	76	2.71
5	49	3.39

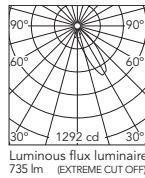
03.4190.74.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1217	0.66
2	304	1.33
3	135	1.99
4	76	2.66
5	49	3.32

03.4190.CU.LE



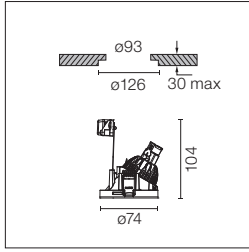
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1292	0.70
2	323	1.40
3	144	2.10
4	81	2.80
5	52	3.50

KAP

Kap Ø80 Wall-Washer

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



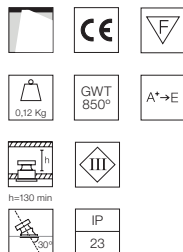
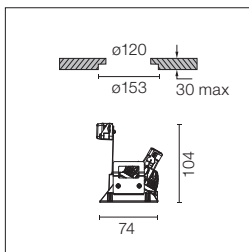
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

- 03.4244.B1
- 03.4244.GL
- 03.4244.BU
- 03.4244.74
- 03.4244.CU

Kap 80 Square Wall-Washer

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



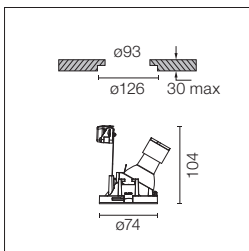
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

- 03.4242.B1
- 03.4242.GL
- 03.4242.BU
- 03.4242.74
- 03.4242.CU

Kap Ø80 Wall-Washer

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



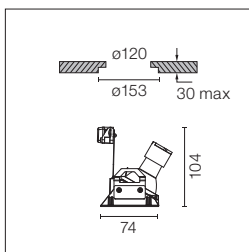
Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

- 03.4245.B1
- 03.4245.GL
- 03.4245.BU
- 03.4245.74
- 03.4245.CU

Kap 80 Square Wall-Washer

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

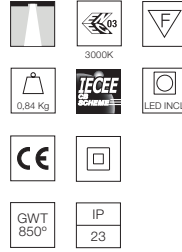
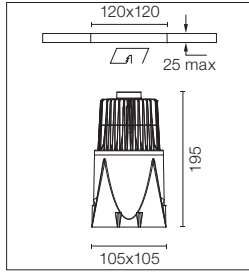
- 03.4243.B1
- 03.4243.GL
- 03.4243.BU
- 03.4243.74
- 03.4243.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

KAP

Kap 105 Square

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98



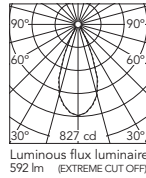
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4595.B1C
Dali Version
- 03.4595.B1CDA
1-10V
- 03.4595.B1C1V



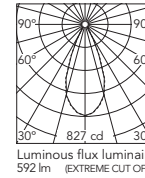
Beam Angle: 45°

h(m)	Ef(lx)	D(m)
1	827	0.82
2	207	1.64
3	92	2.46
4	52	3.28
5	33	4.11

3000K

Non Dimmable

- 03.4570.B1C
Dali Version
- 03.4570.B1CDA
1-10V
- 03.4570.B1C1V

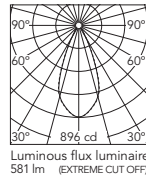


Beam Angle: 45°

h(m)	Ef(lx)	D(m)
1	827	0.82
2	207	1.64
3	92	2.46
4	52	3.28
5	33	4.11

Non Dimmable

- 03.4595.GLC
Dali Version
- 03.4595.GLCDA
1-10V
- 03.4595.GLC1V

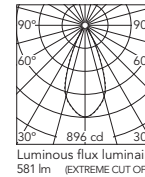


Beam Angle: 45°

h(m)	Ef(lx)	D(m)
1	896	0.82
2	224	1.64
3	100	2.47
4	56	3.29
5	36	4.11

Non Dimmable

- 03.4570.GLC
Dali Version
- 03.4570.GLCDA
1-10V
- 03.4570.GLC1V

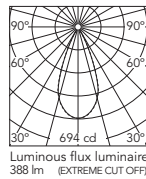


Beam Angle: 45°

h(m)	Ef(lx)	D(m)
1	896	0.82
2	224	1.64
3	100	2.47
4	56	3.29
5	36	4.11

Non Dimmable

- 03.4595.BUC
Dali Version
- 03.4595.BUCDA
1-10V
- 03.4595.BUC1V

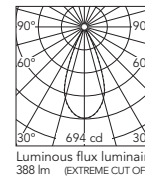


Beam Angle: 44°

h(m)	Ef(lx)	D(m)
1	694	0.80
2	174	1.61
3	77	2.41
4	43	3.21
5	28	4.02

Non Dimmable

- 03.4570.BUC
Dali Version
- 03.4570.BUCDA
1-10V
- 03.4570.BUC1V

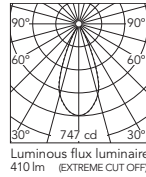


Beam Angle: 44°

h(m)	Ef(lx)	D(m)
1	694	0.80
2	174	1.61
3	77	2.41
4	43	3.21
5	28	4.02

Non Dimmable

- 03.4595.74C
Dali Version
- 03.4595.74CDA
1-10V
- 03.4595.74C1V

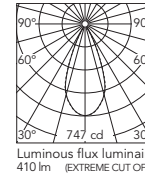


Beam Angle: 44°

h(m)	Ef(lx)	D(m)
1	747	0.80
2	187	1.60
3	83	2.40
4	47	3.19
5	30	3.99

Non Dimmable

- 03.4570.74C
Dali Version
- 03.4570.74CDA
1-10V
- 03.4570.74C1V

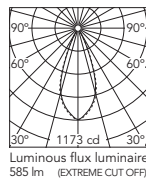


Beam Angle: 44°

h(m)	Ef(lx)	D(m)
1	747	0.80
2	187	1.60
3	83	2.40
4	47	3.19
5	30	3.99

Non Dimmable

- 03.4595.CUC
Dali Version
- 03.4595.CUCDA
1-10V
- 03.4595.CUC1V

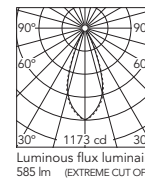


Beam Angle: 41°

h(m)	Ef(lx)	D(m)
1	1173	0.74
2	293	1.48
3	130	2.22
4	73	2.96
5	47	3.69

Non Dimmable

- 03.4570.CUC
Dali Version
- 03.4570.CUCDA
1-10V
- 03.4570.CUC1V



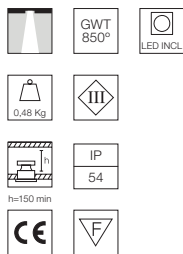
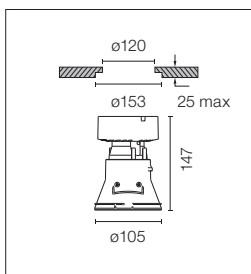
Beam Angle: 41°

h(m)	Ef(lx)	D(m)
1	1173	0.74
2	293	1.48
3	130	2.22
4	73	2.96
5	47	3.69

KAP

Kap Ø105 Fixed - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



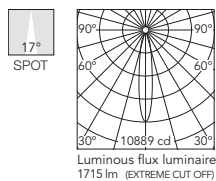
Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

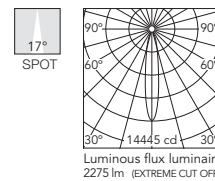
2700K
05.7100.B1



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

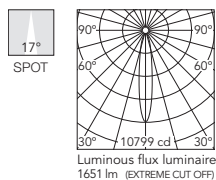
3000K
05.7105.B1



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

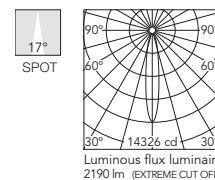
05.7100.GL



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10799	0.29
2	2700	0.59
3	1200	0.88
4	675	1.17
5	432	1.47

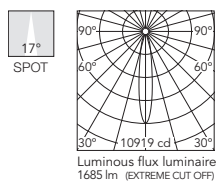
05.7105.GL



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14326	0.29
2	3581	0.59
3	1592	0.88
4	895	1.17
5	573	1.47

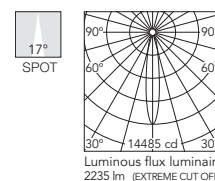
05.7100.BU



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10919	0.29
2	2730	0.59
3	1213	0.88
4	682	1.18
5	437	1.47

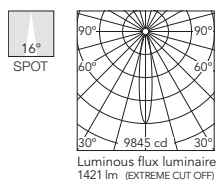
05.7105.BU



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14485	0.29
2	3621	0.59
3	1609	0.88
4	905	1.18
5	579	1.47

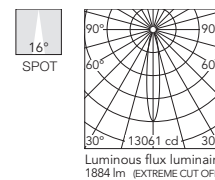
05.7100.74



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	9845	0.29
2	2461	0.57
3	1094	0.86
4	615	1.14
5	394	1.43

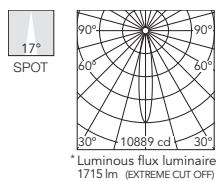
05.7105.74



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13061	0.29
2	3265	0.57
3	1451	0.86
4	816	1.14
5	522	1.43

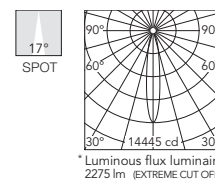
05.7100.CU



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	10889	0.30
2	2722	0.59
3	1210	0.89
4	681	1.18
5	436	1.48

05.7105.CU



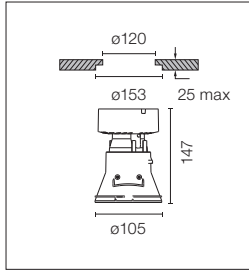
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	14445	0.30
2	3611	0.59
3	1605	0.89
4	903	1.18
5	578	1.48

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Fixed - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



GWT 850°
 0.48 Kg
 LED INCL.
 IP 54
 CE
 F
 h=150 mm

Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

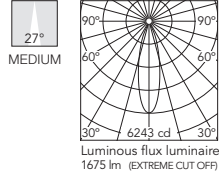
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

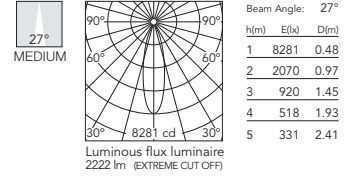
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

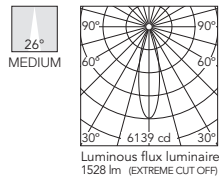
2700K
□ 05.7101.B1



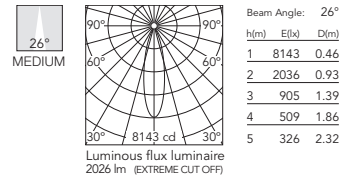
3000K
□ 05.7106.B1



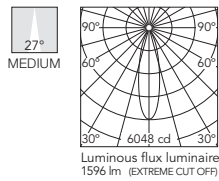
■ 05.7101.GL



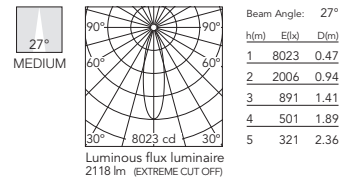
■ 05.7106.GL



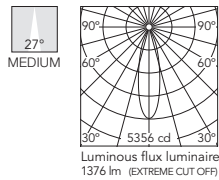
■ 05.7101.BU



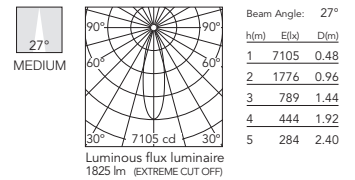
■ 05.7106.BU



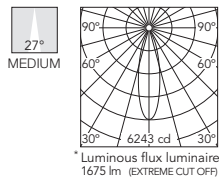
■ 05.7101.74



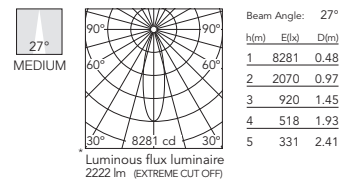
■ 05.7106.74



■ 05.7101.CU



■ 05.7106.CU

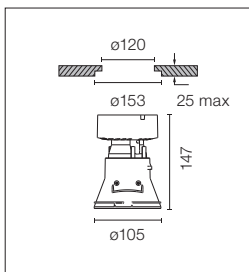


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap Ø105 Fixed - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- GWT 850°
- 0,48 Kg
- IP 54
- CE
- LED INCL
- III
- F

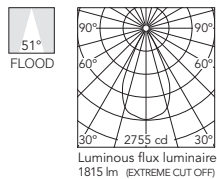
Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

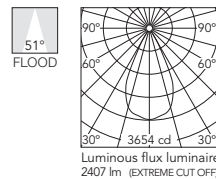
2700K
05.7102.B1



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

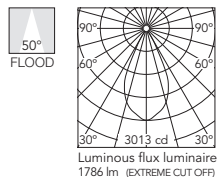
3000K
05.7107.B1



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

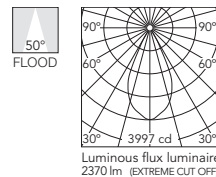
05.7102.GL



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

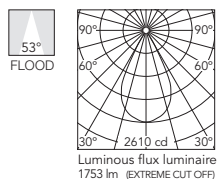
05.7107.GL



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

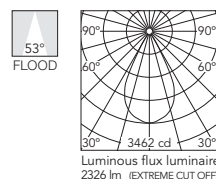
05.7102.BU



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

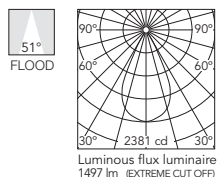
05.7107.BU



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

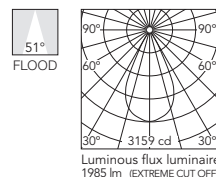
05.7102.74



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2381	0.95
2	595	1.91
3	265	2.86
4	149	3.82
5	95	4.77

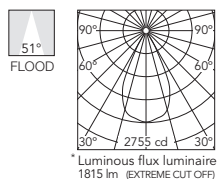
05.7107.74



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3159	0.95
2	790	1.91
3	351	2.86
4	197	3.82
5	126	4.77

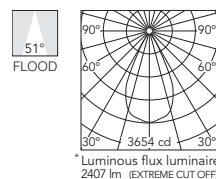
05.7102.CU



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

05.7107.CU



Beam Angle: 51°

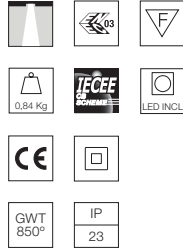
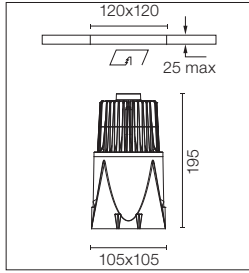
h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap 105 Square

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90



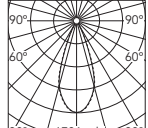
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4583.B1
- Dali Version
- 03.4583.B1.DA
- 1-10V
- 03.4583.B1.1V



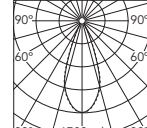
Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1701	0.72	
2	425	1.44	
3	189	2.16	
4	106	2.87	
5	68	3.59	

Luminous flux luminaire 946 lm (EXTREME CUT OFF)

3000K

Non Dimmable

- 03.4582.B1
- Dali Version
- 03.4582.B1.DA
- 1-10V
- 03.4582.B1.1V

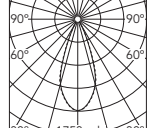


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1782	0.72	
2	446	1.44	
3	198	2.16	
4	111	2.87	
5	71	3.59	

Luminous flux luminaire 992 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4583.GL
- Dali Version
- 03.4583.GL.DA
- 1-10V
- 03.4583.GL.1V

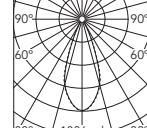


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1753	0.73	
2	438	1.46	
3	195	2.18	
4	110	2.91	
5	70	3.64	

Luminous flux luminaire 921 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4582.GL
- Dali Version
- 03.4582.GL.DA
- 1-10V
- 03.4582.GL.1V

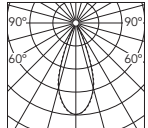


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1836	0.73	
2	459	1.46	
3	204	2.18	
4	115	2.91	
5	73	3.64	

Luminous flux luminaire 965 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4583.BU
- Dali Version
- 03.4583.BU.DA
- 1-10V
- 03.4583.BU.1V

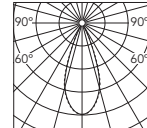


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1527	0.72	
2	382	1.44	
3	170	2.16	
4	95	2.88	
5	61	3.60	

Luminous flux luminaire 708 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4582.BU
- Dali Version
- 03.4582.BU.DA
- 1-10V
- 03.4582.BU.1V

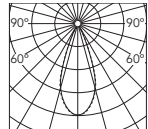


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1600	0.72	
2	400	1.44	
3	178	2.16	
4	100	2.88	
5	64	3.60	

Luminous flux luminaire 742 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4583.74
- Dali Version
- 03.4583.74.DA
- 1-10V
- 03.4583.74.1V

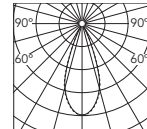


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1529	0.72	
2	382	1.44	
3	170	2.16	
4	96	2.88	
5	61	3.60	

Luminous flux luminaire 703 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4582.74
- Dali Version
- 03.4582.74.DA
- 1-10V
- 03.4582.74.1V

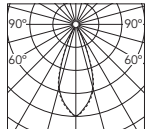


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1601	0.72	
2	400	1.44	
3	178	2.16	
4	100	2.88	
5	64	3.60	

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4583.CU
- Dali Version
- 03.4583.CU.DA
- 1-10V
- 03.4583.CU.1V

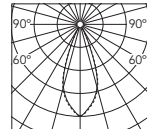


Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1897	0.72	
2	474	1.44	
3	211	2.16	
4	119	2.88	
5	76	3.60	

Luminous flux luminaire 882 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4582.CU
- Dali Version
- 03.4582.CU.DA
- 1-10V
- 03.4582.CU.1V



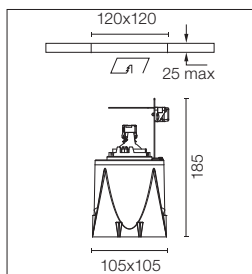
Beam Angle: 40°			
h(m)	E(lx)	D(m)	
1	1987	0.72	
2	497	1.44	
3	221	2.16	
4	124	2.88	
5	79	3.60	

Luminous flux luminaire 924 lm (EXTREME CUT OFF)

KAP

Kap 105 Square

Light Source: LED QR-CBC 51 GX5.3



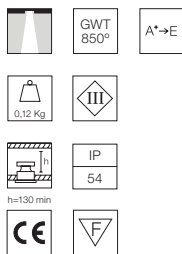
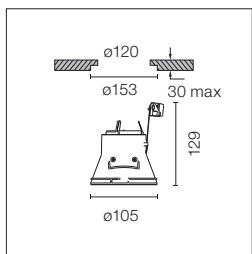
Recessed 12V lamp luminaire.
Remote transformer not included.
Pre-installation frame. To be ordered separately.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.
Accesorios de lentes no disponibles.

- 03.4572.B1
- 03.4572.GL
- 03.4572.BU
- 03.4572.74
- 03.4572.CU

Kap Ø105 Fixed

Light Source: LED QR-CBC 51 GX5.3



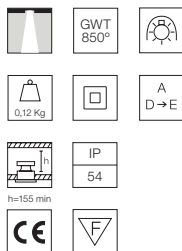
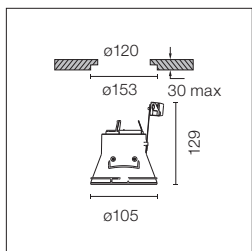
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

- 05.7130.B1
- 05.7130.GL
- 05.7130.BU
- 05.7130.74
- 05.7130.CU

Kap Ø105 Fixed

Light Source: LED PAR 16 GZ10



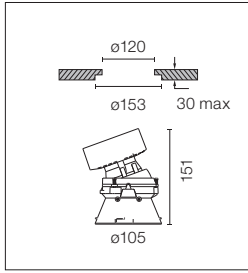
Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

- 05.7131.B1
- 05.7131.GL
- 05.7131.BU
- 05.7131.74
- 05.7131.CU

Kap Ø105 Adjustable - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



		IP
		54
		CE
		F
		GWT
		850°
		LED INCL
		0,48 Kg
		III

Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

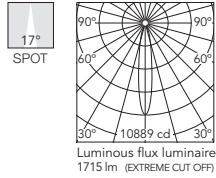
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

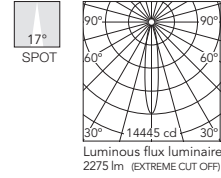
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

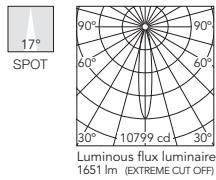
2700K
05.7110.B1



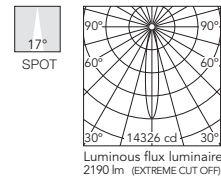
3000K
05.7115.B1



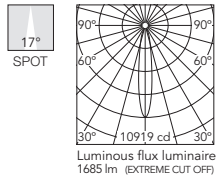
05.7110.GL



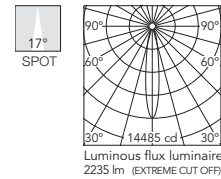
05.7115.GL



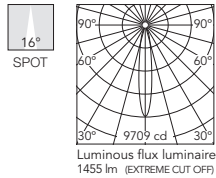
05.7110.BU



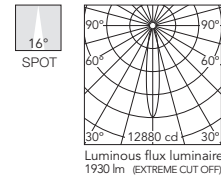
05.7115.BU



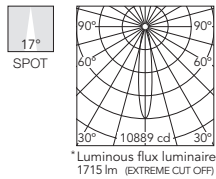
05.7110.74



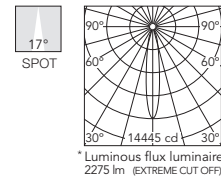
05.7115.74



05.7110.CU



05.7115.CU

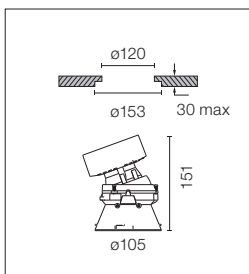


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap Ø105 Adjustable - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- IP 54
- CE
- GWT 850°
- LED INCL
- 20°
- 360°
- 0.48 Kg
- h=144 min
- F
- III

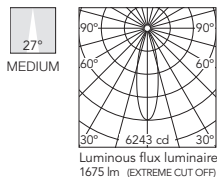
Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

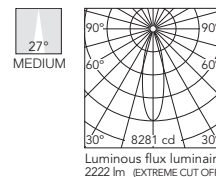
2700K
05.7111.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

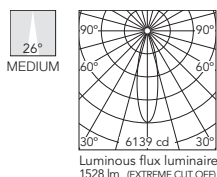
3000K
05.7116.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

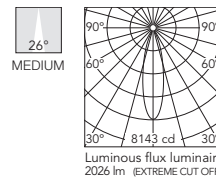
05.7111.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

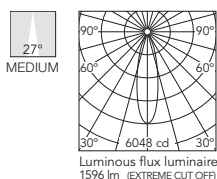
05.7116.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

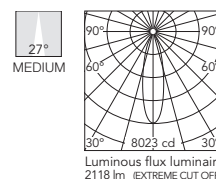
05.7111.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

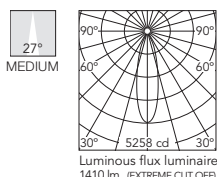
05.7116.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

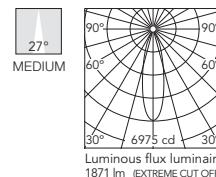
05.7111.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	5258	0.48
2	1314	0.96
3	584	1.44
4	329	1.92
5	210	2.40

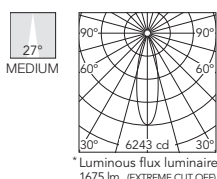
05.7116.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6975	0.48
2	1744	0.96
3	775	1.44
4	436	1.92
5	279	2.40

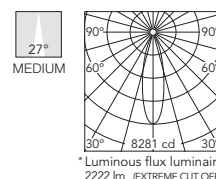
05.7111.CU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

05.7116.CU



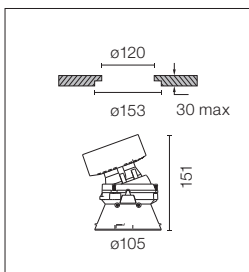
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Adjustable - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



IP 54
h=144 min
20°
360°
GWT 850°
LED INCL
0,48 Kg
III

Recessed luminaire with LED light source. Remote transformer not included.
Pre-installation frame. To be ordered separately.

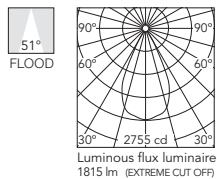
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido.
Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

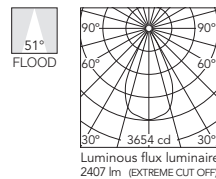
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

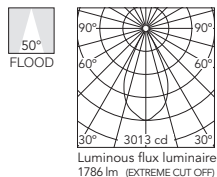
2700K
05.7112.B1



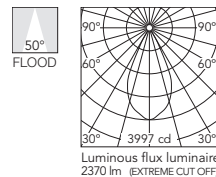
3000K
05.7117.B1



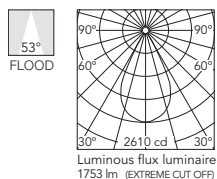
05.7112.GL



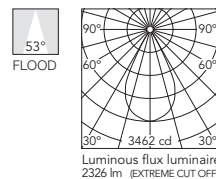
05.7117.GL



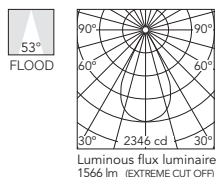
05.7112.BU



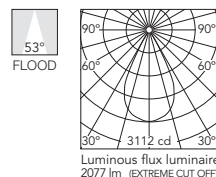
05.7117.BU



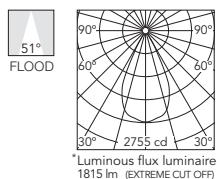
05.7112.74



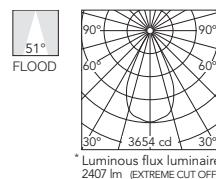
05.7117.74



05.7112.CU



05.7117.CU

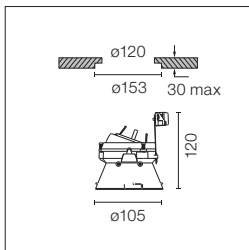


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3



		IP
	h=130 min	54
		A ⁺ →E

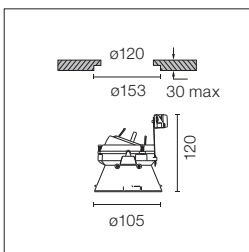
Recessed 12V lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Accesorios de lentes no disponibles.

- 05.7135.B1
- 05.7135.GL
- 05.7135.BU
- 05.7135.74
- 05.7135.CU

Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10



		IP
	h=155 min	54
		A D→E

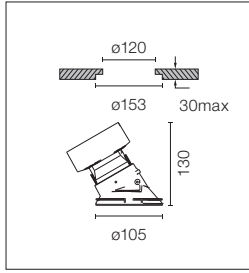
Recessed luminaire with main voltage source.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Accesorios de lentes no disponibles.

- 05.7136.B1
- 05.7136.GL
- 05.7136.BU
- 05.7136.74
- 05.7136.CU

Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- GWT 850°
- LED INCL
- 0.48 Kg
- III
- IP 54
- CE
- F
- h=134 mm

Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

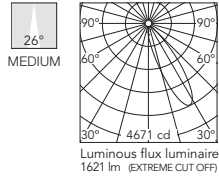
Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

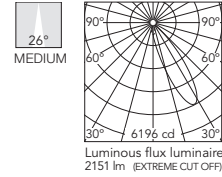
2700K
□ 05.7120.B1



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

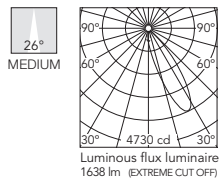
3000K
□ 05.7121.B1



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6196	0.58
2	1549	1.15
3	688	1.73
4	387	2.31
5	248	2.89

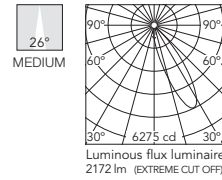
■ 05.7120.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

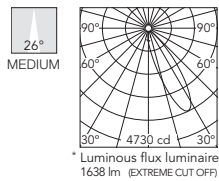
■ 05.7121.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6275	0.58
2	1569	1.15
3	697	1.73
4	392	2.31
5	251	2.89

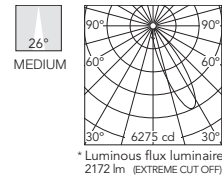
■ 05.7120.BU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

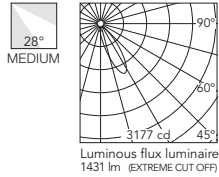
■ 05.7121.BU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6275	0.58
2	1569	1.15
3	697	1.73
4	392	2.31
5	251	2.89

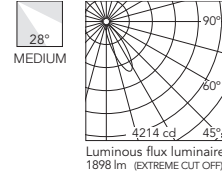
■ 05.7120.74



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	3177	0.63
2	794	1.26
3	353	1.89
4	199	2.52
5	127	3.16

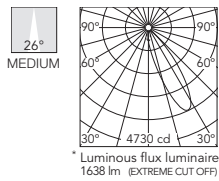
■ 05.7121.74



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

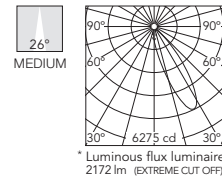
■ 05.7120.CU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

■ 05.7121.CU



Beam Angle: 26°

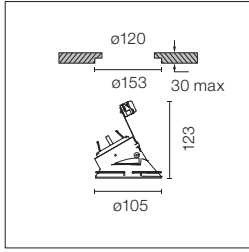
h(m)	E(lx)	D(m)
1	6275	0.58
2	1569	1.15
3	697	1.73
4	392	2.31
5	251	2.89

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3



	GWT 850°	A ⁺ →E
	0,12 Kg	
	IP 54	
	h=130 min	

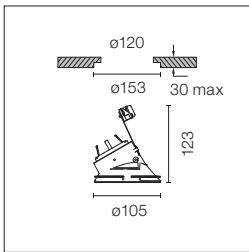
Recessed 12V LED lamp luminaire.
Remote transformer not included.
Not suitable for lens accessories.

Luminaria empotrable para lámpara
LED de 12V. Transformador remoto
no incluido.
Accesorios de lentes no disponibles.

- 05.7140.B1
- 05.7140.GL
- 05.7140.BU
- 05.7140.74
- 05.7140.CU

Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10



	GWT 850°	A D→E
	0,12 Kg	
	IP 54	
	h=155 min	

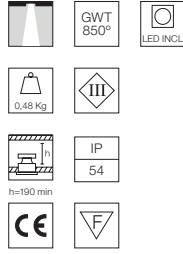
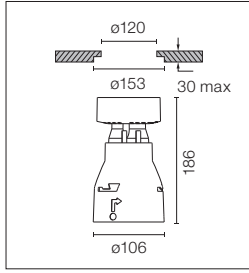
Recessed luminaire with main
voltage source.
Not suitable for lens accessories.

Luminaria empotrable con
alimentación directa a red.
Accesorios de lentes no disponibles.

- 05.7141.B1
- 05.7141.GL
- 05.7141.BU
- 05.7141.74
- 05.7141.CU

Kap Ø105 Deep - Optic Spot

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

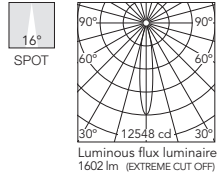
Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

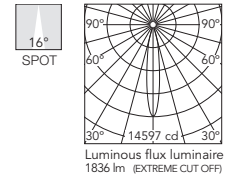
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

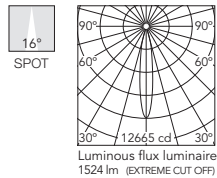
2700K
□ 05.7150.B1



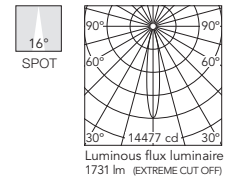
3000K
□ 05.7155.B1



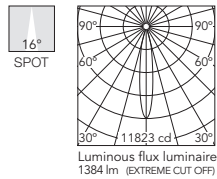
■ 05.7150.GL



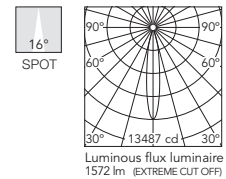
■ 05.7155.GL



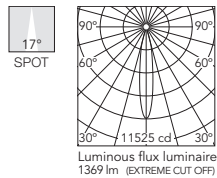
■ 05.7150.BU



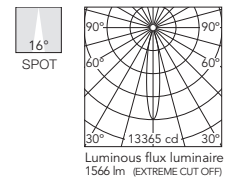
■ 05.7155.BU



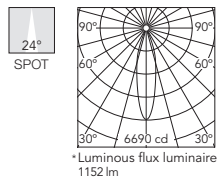
■ 05.7150.74



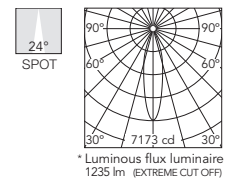
■ 05.7155.74



■ 05.7150.CU



■ 05.7155.CU

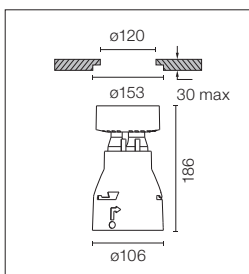


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Kap Ø105 Deep - Optic Medium

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- GWT 850°
- LED INCL
- 0,48 Kg
- III
- IP 54
- h=190 mm
- CE
- F

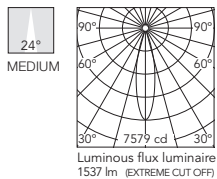
Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

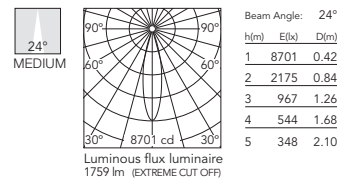
Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

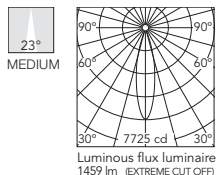
2700K
 05.7151.B1



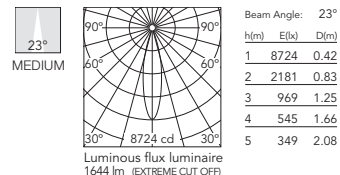
3000K
 05.7156.B1



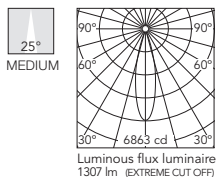
05.7151.GL



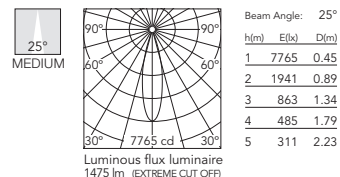
05.7156.GL



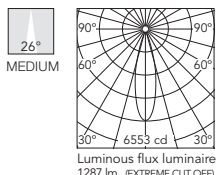
05.7151.BU



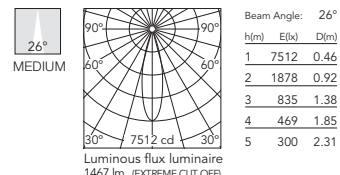
05.7156.BU



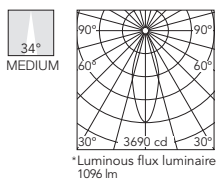
05.7151.74



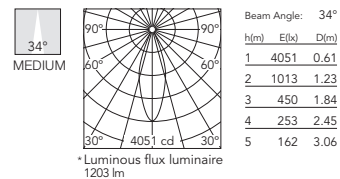
05.7156.74



05.7151.CU



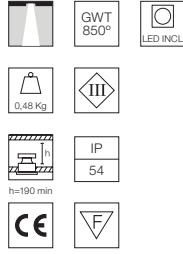
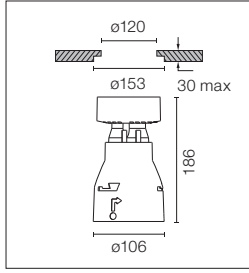
05.7156.CU



* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Kap Ø105 Deep - Optic Flood

LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



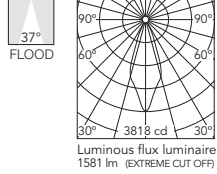
Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de pre-instalación. Se ha de pedir por separado.

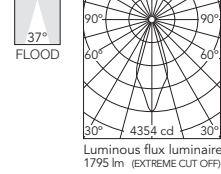
Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

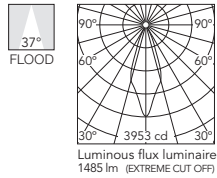
2700K
05.7152.B1



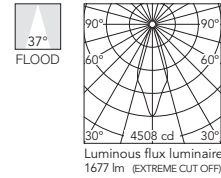
3000K
05.7157.B1



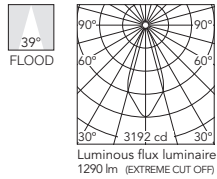
05.7152.GL



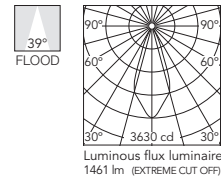
05.7157.GL



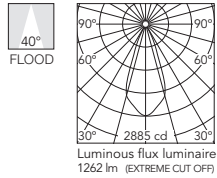
05.7152.BU



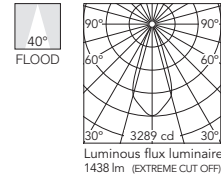
05.7157.BU



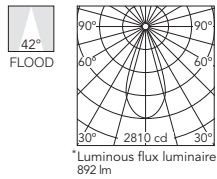
05.7152.T4



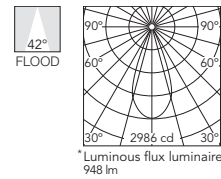
05.7157.T4



05.7152.CU



05.7157.CU

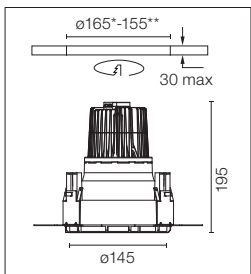


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

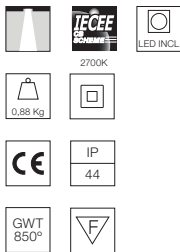
KAP

Kap Ø145

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98



* No Trim | ** Trim



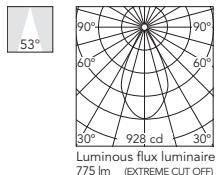
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4496.B1B
Dali Version
- 03.4496.B1BDA
1-10V
- 03.4496.B1B1V



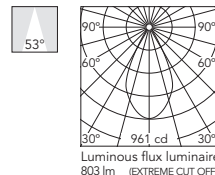
Beam Angle: 53°

h(m)	E(lx)	D(m)
1	928	1.00
2	232	2.00
3	103	3.00
4	58	4.01
5	37	5.01

3000K

Non Dimmable

- 03.4420.B1C
Dali Version
- 03.4420.B1CDA
1-10V
- 03.4420.B1C1V

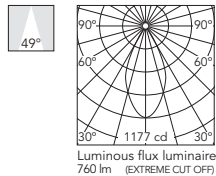


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	961	1.00
2	240	2.00
3	107	3.00
4	60	4.01
5	38	5.01

Non Dimmable

- 03.4496.GLB
Dali Version
- 03.4496.GLBDA
1-10V
- 03.4496.GLB1V

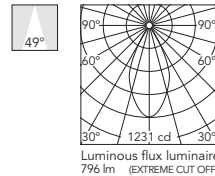


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1177	0.92
2	294	1.84
3	131	2.76
4	74	3.68
5	47	4.60

Non Dimmable

- 03.4420.GLC
Dali Version
- 03.4420.GLCDA
1-10V
- 03.4420.GLC1V

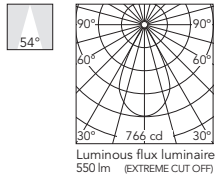


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1231	0.92
2	308	1.84
3	137	2.76
4	77	3.68
5	49	4.60

Non Dimmable

- 03.4496.BUB
Dali Version
- 03.4496.BUBDA
1-10V
- 03.4496.BUB1V

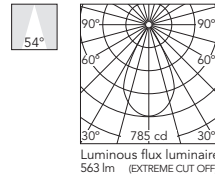


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	766	1.02
2	191	2.04
3	85	3.06
4	48	4.08
5	31	5.11

Non Dimmable

- 03.4420.BUC
Dali Version
- 03.4420.BUCDA
1-10V
- 03.4420.BUC1V

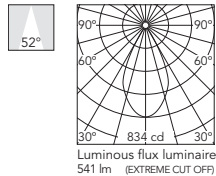


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	785	1.02
2	196	2.04
3	87	3.06
4	49	4.08
5	31	5.11

Non Dimmable

- 03.4496.74B
Dali Version
- 03.4496.74BDA
1-10V
- 03.4496.74B1V

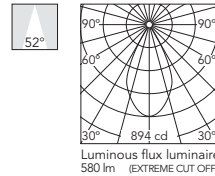


Beam Angle: 52°

h(m)	E(lx)	D(m)
1	834	0.97
2	208	1.95
3	93	2.92
4	52	3.90
5	33	4.87

Non Dimmable

- 03.4420.74C
Dali Version
- 03.4420.74CDA
1-10V
- 03.4420.74C1V

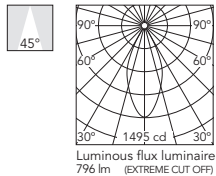


Beam Angle: 52°

h(m)	E(lx)	D(m)
1	894	0.97
2	224	1.95
3	99	2.92
4	56	3.90
5	36	4.87

Non Dimmable

- 03.4496.CUB
Dali Version
- 03.4496.CUBDA
1-10V
- 03.4496.CUB1V

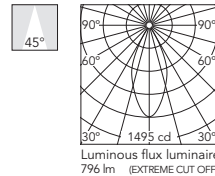


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1495	0.83
2	374	1.66
3	166	2.49
4	93	3.33
5	60	4.16

Non Dimmable

- 03.4420.CUC
Dali Version
- 03.4420.CUCDA
1-10V
- 03.4420.CUC1V



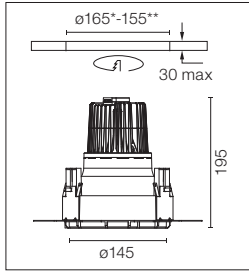
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1495	0.83
2	374	1.66
3	166	2.49
4	93	3.33
5	60	4.16

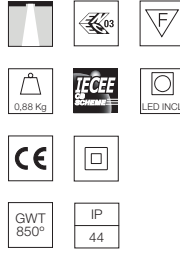
KAP

Kap Ø145

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90



* No Trim | ** Trim



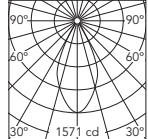
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4585.B1
- Dali Version
- 03.4585.B1.DA
- 1-10V
- 03.4585.B1.1V



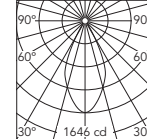
Beam Angle: 49°	h(m)	E(lx)	D(m)
1	1571	0.91	
2	393	1.82	
3	175	2.73	
4	98	3.64	
5	63	4.55	

Luminous flux luminaire 1110 lm (EXTREME CUT OFF)

3000K

Non Dimmable

- 03.4584.B1
- Dali Version
- 03.4584.B1.DA
- 1-10V
- 03.4584.B1.1V

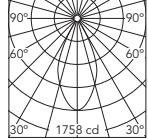


Beam Angle: 49°	h(m)	E(lx)	D(m)
1	1646	0.91	
2	411	1.82	
3	183	2.73	
4	103	3.64	
5	66	4.55	

Luminous flux luminaire 1163 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4585.GL
- Dali Version
- 03.4585.GL.DA
- 1-10V
- 03.4585.GL.1V

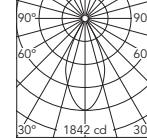


Beam Angle: 48°	h(m)	E(lx)	D(m)
1	1758	0.88	
2	439	1.77	
3	195	2.65	
4	110	3.54	
5	70	4.42	

Luminous flux luminaire 1059 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4584.GL
- Dali Version
- 03.4584.GL.DA
- 1-10V
- 03.4584.GL.1V

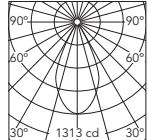


Beam Angle: 48°	h(m)	E(lx)	D(m)
1	1842	0.88	
2	460	1.77	
3	205	2.65	
4	115	3.54	
5	74	4.42	

Luminous flux luminaire 1109 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4585.BU
- Dali Version
- 03.4585.BU.DA
- 1-10V
- 03.4585.BU.1V

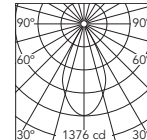


Beam Angle: 50°	h(m)	E(lx)	D(m)
1	1313	0.93	
2	328	1.86	
3	146	2.79	
4	82	3.72	
5	53	4.65	

Luminous flux luminaire 791 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4584.BU
- Dali Version
- 03.4584.BU.DA
- 1-10V
- 03.4584.BU.1V

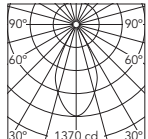


Beam Angle: 50°	h(m)	E(lx)	D(m)
1	1376	0.93	
2	344	1.86	
3	153	2.79	
4	86	3.72	
5	55	4.65	

Luminous flux luminaire 829 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4585.74
- Dali Version
- 03.4585.74.DA
- 1-10V
- 03.4585.74.1V

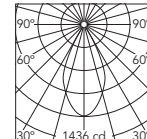


Beam Angle: 50°	h(m)	E(lx)	D(m)
1	1370	0.93	
2	343	1.86	
3	152	2.79	
4	86	3.72	
5	55	4.65	

Luminous flux luminaire 815 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4584.74
- Dali Version
- 03.4584.74.DA
- 1-10V
- 03.4584.74.1V

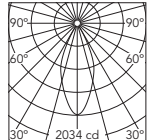


Beam Angle: 50°	h(m)	E(lx)	D(m)
1	1436	0.93	
2	359	1.86	
3	160	2.79	
4	90	3.72	
5	57	4.65	

Luminous flux luminaire 854 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4585.CU
- Dali Version
- 03.4585.CU.DA
- 1-10V
- 03.4585.CU.1V

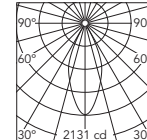


Beam Angle: 43°	h(m)	E(lx)	D(m)
1	2034	0.78	
2	509	1.57	
3	226	2.35	
4	127	3.14	
5	81	3.92	

Luminous flux luminaire 977 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4584.CU
- Dali Version
- 03.4584.CU.DA
- 1-10V
- 03.4584.CU.1V



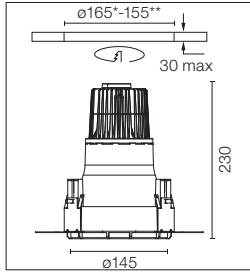
Beam Angle: 43°	h(m)	E(lx)	D(m)
1	2131	0.78	
2	533	1.57	
3	237	2.35	
4	133	3.14	
5	85	3.92	

Luminous flux luminaire 1023 lm (EXTREME CUT OFF)

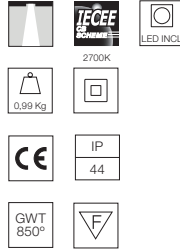
KAP

Kap Ø145 Deep

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98



* No Trim | ** Trim



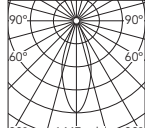
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4497.B1B
Dali Version
- 03.4497.B1BDA
1-10V
- 03.4497.B1B1V



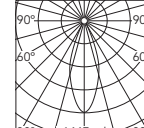
Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	1447	0.67	
2	362	1.34	
3	161	2.01	
4	90	2.69	
5	58	3.36	

Luminous flux luminaire 694 lm (EXTREME CUT OFF)

3000K

Non Dimmable

- 03.4482.B1C
Dali Version
- 03.4482.B1CDA
1-10V
- 03.4482.B1C1V

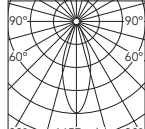


Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	1447	0.67	
2	362	1.34	
3	161	2.01	
4	90	2.69	
5	58	3.36	

Luminous flux luminaire 694 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4497.GLB
Dali Version
- 03.4497.GLBDA
1-10V
- 03.4497.GLB1V

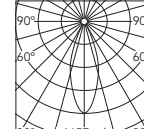


Beam Angle: 36°			
h(m)	E(lx)	D(m)	
1	1657	0.65	
2	414	1.30	
3	184	1.96	
4	104	2.61	
5	66	3.26	

Luminous flux luminaire 678 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4482.GLC
Dali Version
- 03.4482.GLCDA
1-10V
- 03.4482.GLC1V

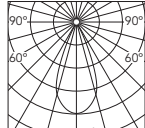


Beam Angle: 36°			
h(m)	E(lx)	D(m)	
1	1657	0.65	
2	414	1.30	
3	184	1.96	
4	104	2.61	
5	66	3.26	

Luminous flux luminaire 678 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4497.BUB
Dali Version
- 03.4497.BUBDA
1-10V
- 03.4497.BUB1V

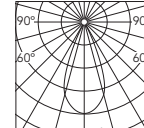


Beam Angle: 44°			
h(m)	E(lx)	D(m)	
1	846	0.80	
2	211	1.60	
3	94	2.39	
4	53	3.19	
5	34	3.99	

Luminous flux luminaire 406 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4482.BUC
Dali Version
- 03.4482.BUCDA
1-10V
- 03.4482.BUC1V

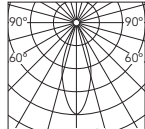


Beam Angle: 44°			
h(m)	E(lx)	D(m)	
1	846	0.80	
2	211	1.60	
3	94	2.39	
4	53	3.19	
5	34	3.99	

Luminous flux luminaire 406 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4497.74B
Dali Version
- 03.4497.74BDA
1-10V
- 03.4497.74B1V

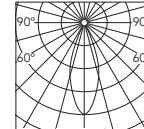


Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	1279	0.66	
2	320	1.32	
3	142	1.98	
4	80	2.64	
5	51	3.30	

Luminous flux luminaire 450 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4482.74C
Dali Version
- 03.4482.74CDA
1-10V
- 03.4482.74C1V

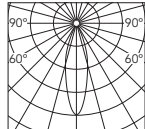


Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	1279	0.66	
2	320	1.32	
3	142	1.98	
4	80	2.64	
5	51	3.30	

Luminous flux luminaire 450 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4497.CUB
Dali Version
- 03.4497.CUBDA
1-10V
- 03.4497.CUB1V

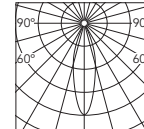


Beam Angle: 28°			
h(m)	E(lx)	D(m)	
1	2253	0.50	
2	563	1.01	
3	250	1.51	
4	141	2.02	
5	90	2.52	

Luminous flux luminaire 662 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4482.CUC
Dali Version
- 03.4482.CUCDA
1-10V
- 03.4482.CUC1V



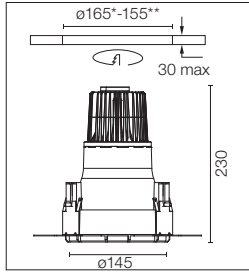
Beam Angle: 28°			
h(m)	E(lx)	D(m)	
1	2253	0.50	
2	563	1.01	
3	250	1.51	
4	141	2.02	
5	90	2.52	

Luminous flux luminaire 662 lm (EXTREME CUT OFF)

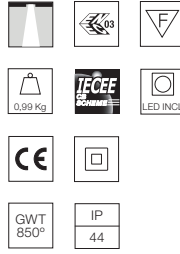
KAP

Kap Ø145 Deep

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90



* No Trim | ** Trim



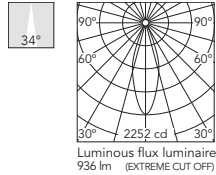
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

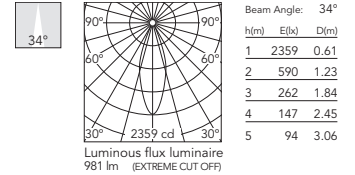
- 03.4587.B1
- Dali Version
- 03.4587.B1.DA
- 1-10V
- 03.4587.B1.1V



3000K

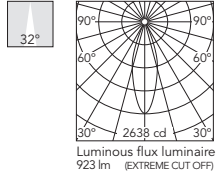
Non Dimmable

- 03.4586.B1
- Dali Version
- 03.4586.B1.DA
- 1-10V
- 03.4586.B1.1V



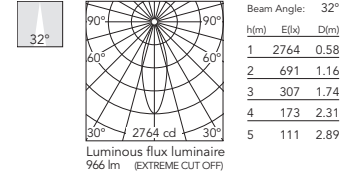
Non Dimmable

- 03.4587.GL
- Dali Version
- 03.4587.GL.DA
- 1-10V
- 03.4587.GL.1V



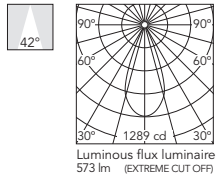
Non Dimmable

- 03.4586.GL
- Dali Version
- 03.4586.GL.DA
- 1-10V
- 03.4586.GL.1V



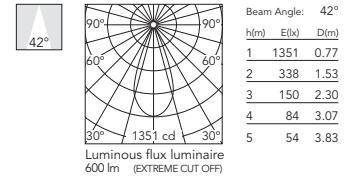
Non Dimmable

- 03.4587.BU
- Dali Version
- 03.4587.BU.DA
- 1-10V
- 03.4587.BU.1V



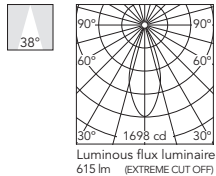
Non Dimmable

- 03.4586.BU
- Dali Version
- 03.4586.BU.DA
- 1-10V
- 03.4586.BU.1V



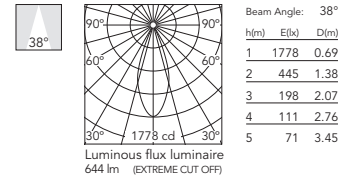
Non Dimmable

- 03.4587.74
- Dali Version
- 03.4587.74.DA
- 1-10V
- 03.4587.74.1V



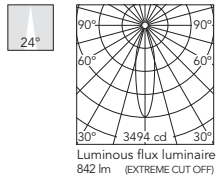
Non Dimmable

- 03.4586.74
- Dali Version
- 03.4586.74.DA
- 1-10V
- 03.4586.74.1V



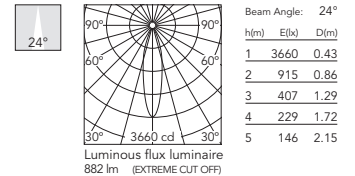
Non Dimmable

- 03.4587.CU
- Dali Version
- 03.4587.CU.DA
- 1-10V
- 03.4587.CU.1V



Non Dimmable

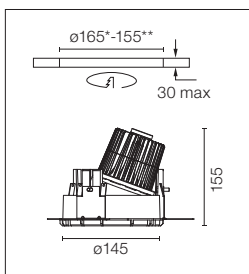
- 03.4586.CU
- Dali Version
- 03.4586.CU.DA
- 1-10V
- 03.4586.CU.1V



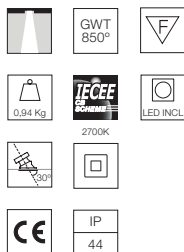
KAP

Kap Ø145 Wall-Washer

Light Source: Phosphor LED 17W - 1400 lm - 2700K/CRI 98 / 17W - 1400 lm - 3000K/CRI 98



* No Trim | ** Trim



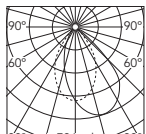
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4498.B1B
Dali Version
- 03.4498.B1BDA
1-10V
- 03.4498.B1B1V



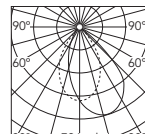
Beam Angle: 59°	h(m)	E(lx)	D(m)
1	726	1.26	
2	181	2.53	
3	81	3.79	
4	45	5.05	
5	29	6.32	

Luminous flux luminaire 872 lm (EXTREME CUT OFF)

3000K

Non Dimmable

- 03.4475.B1C
Dali Version
- 03.4475.B1CDA
1-10V
- 03.4475.B1C1V

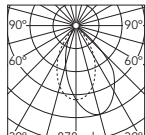


Beam Angle: 59°	h(m)	E(lx)	D(m)
1	726	1.26	
2	181	2.53	
3	81	3.79	
4	45	5.05	
5	29	6.32	

Luminous flux luminaire 872 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4498.GLB
Dali Version
- 03.4498.GLBDA
1-10V
- 03.4498.GLB1V

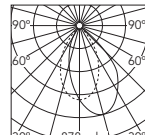


Beam Angle: 56°	h(m)	E(lx)	D(m)
1	878	1.18	
2	219	2.37	
3	98	3.55	
4	55	4.73	
5	35	5.92	

Luminous flux luminaire 871 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4475.GLC
Dali Version
- 03.4475.GLCDA
1-10V
- 03.4475.GLC1V

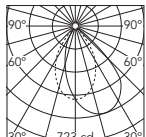


Beam Angle: 56°	h(m)	E(lx)	D(m)
1	878	1.18	
2	219	2.37	
3	98	3.55	
4	55	4.73	
5	35	5.92	

Luminous flux luminaire 871 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4498.BUB
Dali Version
- 03.4498.BUBDA
1-10V
- 03.4498.BUB1V

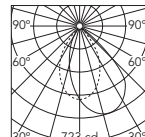


Beam Angle: 58°	h(m)	E(lx)	D(m)
1	723	1.25	
2	181	2.51	
3	80	3.76	
4	45	5.01	
5	29	6.26	

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4475.BUC
Dali Version
- 03.4475.BUCDA
1-10V
- 03.4475.BUC1V

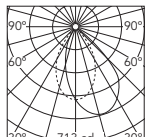


Beam Angle: 58°	h(m)	E(lx)	D(m)
1	723	1.25	
2	181	2.51	
3	80	3.76	
4	45	5.01	
5	29	6.26	

Luminous flux luminaire 736 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4498.74B
Dali Version
- 03.4498.74BDA
1-10V
- 03.4498.74B1V

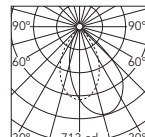


Beam Angle: 58°	h(m)	E(lx)	D(m)
1	713	1.24	
2	178	2.48	
3	79	3.72	
4	45	4.96	
5	29	6.20	

Luminous flux luminaire 747 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4475.74C
Dali Version
- 03.4475.74CDA
1-10V
- 03.4475.74C1V

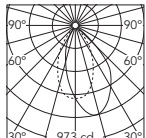


Beam Angle: 58°	h(m)	E(lx)	D(m)
1	713	1.24	
2	178	2.48	
3	79	3.72	
4	45	4.96	
5	29	6.20	

Luminous flux luminaire 747 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4498.CUB
Dali Version
- 03.4498.CUBDA
1-10V
- 03.4498.CUB1V

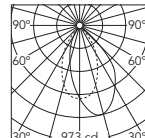


Beam Angle: 54°	h(m)	E(lx)	D(m)
1	973	1.10	
2	243	2.21	
3	108	3.31	
4	61	4.42	
5	39	5.52	

Luminous flux luminaire 879 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4475.CUC
Dali Version
- 03.4475.CUCDA
1-10V
- 03.4475.CUC1V



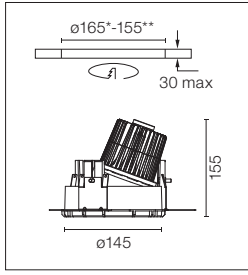
Beam Angle: 54°	h(m)	E(lx)	D(m)
1	973	1.10	
2	243	2.21	
3	108	3.31	
4	61	4.42	
5	39	5.52	

Luminous flux luminaire 879 lm (EXTREME CUT OFF)

KAP

Kap Ø145 Wall-Washer

Light Source: LED Array 17W - 1800 lm - 2700K/CRI 90 / 17W - 2000 lm - 3000K/CRI 90



* No Trim | ** Trim



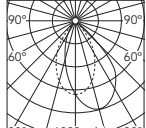
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included. Pre-installation frame. To be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido. Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.4589.B1
- Dali Version
- 03.4589.B1.DA
- 1-10V
- 03.4589.B1.1V



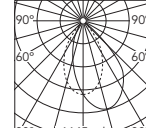
Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	1093	1.17	
2	273	2.34	
3	121	3.52	
4	68	4.69	
5	44	5.86	

Luminous flux luminaire 1189 lm (EXTREME CUT OFF)

3000K

Non Dimmable

- 03.4588.B1
- Dali Version
- 03.4588.B1.DA
- 1-10V
- 03.4588.B1.1V

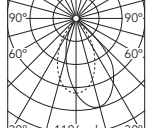


Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	1145	1.17	
2	286	2.34	
3	127	3.52	
4	72	4.69	
5	46	5.86	

Luminous flux luminaire 1246 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4589.GL
- Dali Version
- 03.4589.GL.DA
- 1-10V
- 03.4589.GL.1V

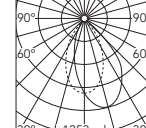


Beam Angle: 55°			
h(m)	E(lx)	D(m)	
1	1196	1.13	
2	299	2.26	
3	133	3.39	
4	75	4.52	
5	48	5.65	

Luminous flux luminaire 1131 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4588.GL
- Dali Version
- 03.4588.GL.DA
- 1-10V
- 03.4588.GL.1V

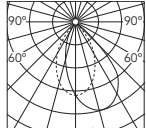


Beam Angle: 55°			
h(m)	E(lx)	D(m)	
1	1253	1.13	
2	313	2.26	
3	139	3.39	
4	78	4.52	
5	50	5.65	

Luminous flux luminaire 1185 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4589.BU
- Dali Version
- 03.4589.BU.DA
- 1-10V
- 03.4589.BU.1V

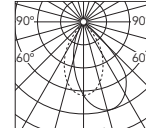


Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	972	1.17	
2	243	2.34	
3	108	3.51	
4	61	4.68	
5	39	5.85	

Luminous flux luminaire 980 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4588.BU
- Dali Version
- 03.4588.BU.DA
- 1-10V
- 03.4588.BU.1V

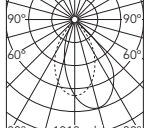


Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	1018	1.17	
2	254	2.34	
3	113	3.51	
4	64	4.68	
5	41	5.85	

Luminous flux luminaire 1026 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4589.74
- Dali Version
- 03.4589.74.DA
- 1-10V
- 03.4589.74.1V

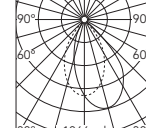


Beam Angle: 55°			
h(m)	E(lx)	D(m)	
1	1018	1.14	
2	254	2.29	
3	113	3.43	
4	64	4.57	
5	41	5.72	

Luminous flux luminaire 999 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4588.74
- Dali Version
- 03.4588.74.DA
- 1-10V
- 03.4588.74.1V

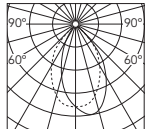


Beam Angle: 55°			
h(m)	E(lx)	D(m)	
1	1066	1.14	
2	267	2.29	
3	118	3.43	
4	67	4.57	
5	43	5.72	

Luminous flux luminaire 1047 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4589.CU
- Dali Version
- 03.4589.CU.DA
- 1-10V
- 03.4589.CU.1V

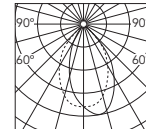


Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	1083	1.09	
2	271	2.18	
3	120	3.27	
4	68	4.36	
5	43	5.45	

Luminous flux luminaire 1117 lm (EXTREME CUT OFF)

Non Dimmable

- 03.4588.CU
- Dali Version
- 03.4588.CU.DA
- 1-10V
- 03.4588.CU.1V



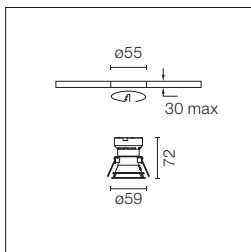
Beam Angle: 56°			
h(m)	E(lx)	D(m)	
1	1134	1.09	
2	284	2.18	
3	126	3.27	
4	71	4.36	
5	45	5.45	

Luminous flux luminaire 1170 lm (EXTREME CUT OFF)

KAP

Easy Kap Ø50 Fixed - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



	GWT 850°	IP 54

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

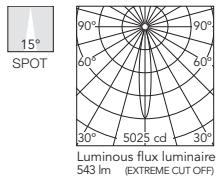
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

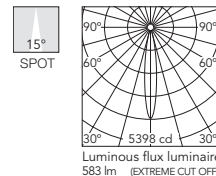
- | | |
|----------------|-----------------------------|
| Non Dimmable | 60.9160 |
| Dimmable 0-10V | 60.9483 |
| Dimmable Dali | 60.9604 |
| Mains Dimming | 60.9421 |
| Casambi | 60.9392 + DALI/1-10V Driver |

* Refer to the Drivers chapter / Ver capítulo Drivers

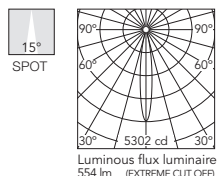
2700K
□ 05.7200.B1



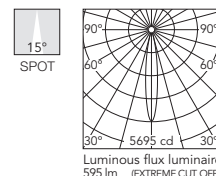
3000K
□ 05.7205.B1



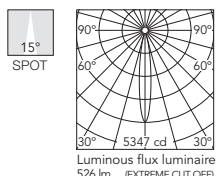
■ 05.7200.GL



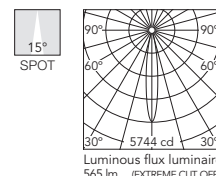
■ 05.7205.GL



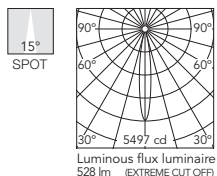
■ 05.7200.BU



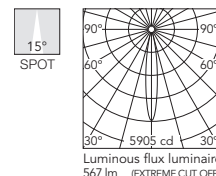
■ 05.7205.BU



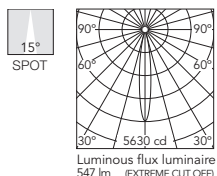
■ 05.7200.74



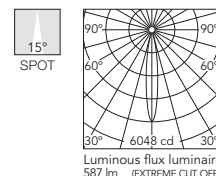
■ 05.7205.74



■ 05.7200.CU

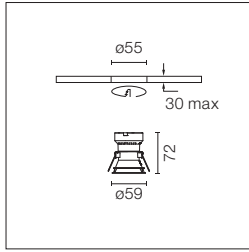


■ 05.7205.CU



Easy Kap Ø50 Fixed - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



GWT 850°
 IP 54
 0,14 Kg
 103
 F
 h=100 mm
 LED INCL
 CE
 III

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

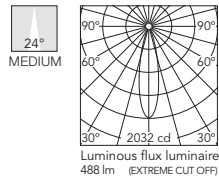
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

- Non Dimmable 60.9160
- Dimmable 0-10V 60.9483
- Dimmable Dali 60.9604
- Mains Dimming 60.9421
- Casambi 60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

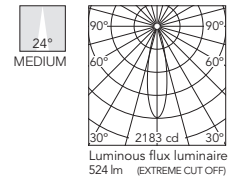
2700K
□ 05.7201.B1



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2032	0.43
2	508	0.86
3	226	1.30
4	127	1.73
5	81	2.16

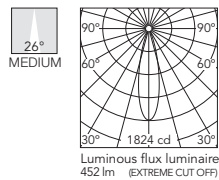
3000K
□ 05.7206.B1



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2183	0.43
2	546	0.86
3	243	1.30
4	136	1.73
5	87	2.16

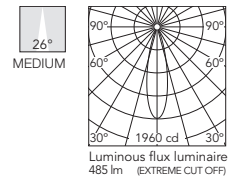
■ 05.7201.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1824	0.45
2	456	0.91
3	203	1.36
4	114	1.82
5	73	2.27

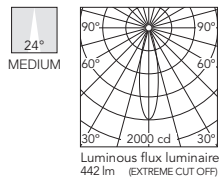
■ 05.7206.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1960	0.45
2	490	0.91
3	218	1.36
4	122	1.82
5	78	2.27

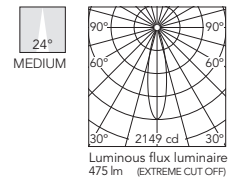
■ 05.7201.BU



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2000	0.42
2	500	0.84
3	222	1.26
4	125	1.67
5	80	2.09

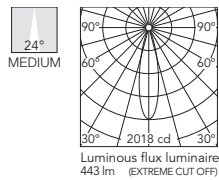
■ 05.7206.BU



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2149	0.42
2	537	0.84
3	239	1.26
4	134	1.67
5	86	2.09

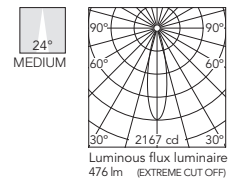
■ 05.7201.74



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2018	0.43
2	504	0.85
3	224	1.28
4	126	1.71
5	81	2.13

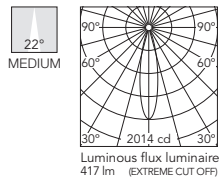
■ 05.7206.74



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	2167	0.43
2	542	0.85
3	241	1.28
4	135	1.71
5	87	2.13

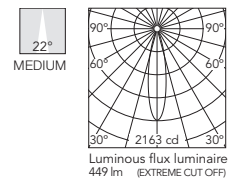
■ 05.7201.CU



Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2014	0.40
2	503	0.79
3	224	1.19
4	126	1.59
5	81	1.99

■ 05.7206.CU



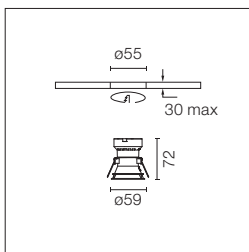
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2163	0.40
2	541	0.79
3	240	1.19
4	135	1.59
5	87	1.99

KAP

Easy Kap Ø50 Fixed - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



	GWT 850°	IP 54
	0,14 Kg	
	h=100 min	

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

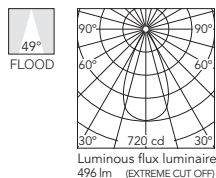
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

- | | |
|----------------|-----------------------------|
| Non Dimmable | 60.9160 |
| Dimmable 0-10V | 60.9483 |
| Dimmable Dali | 60.9604 |
| Mains Dimming | 60.9421 |
| Casambi | 60.9392 + DALI/1-10V Driver |

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
05.7202.B1

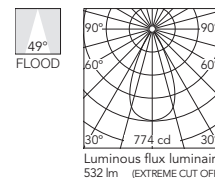


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	720	0.91
2	180	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Luminous flux luminaire
496 lm (EXTREME CUT OFF)

3000K
05.7207.B1

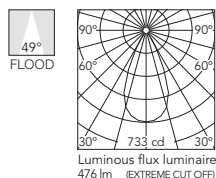


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	774	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Luminous flux luminaire
532 lm (EXTREME CUT OFF)

05.7202.GL

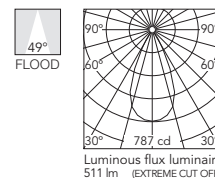


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	733	0.90
2	183	1.81
3	81	2.71
4	46	3.61
5	29	4.52

Luminous flux luminaire
476 lm (EXTREME CUT OFF)

05.7207.GL

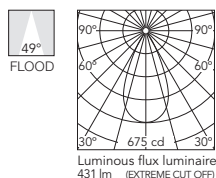


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	787	0.90
2	197	1.81
3	87	2.71
4	49	3.61
5	31	4.52

Luminous flux luminaire
511 lm (EXTREME CUT OFF)

05.7202.BU

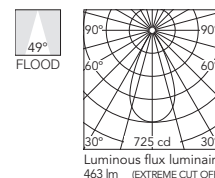


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	675	0.91
2	169	1.81
3	75	2.72
4	42	3.63
5	27	4.53

Luminous flux luminaire
431 lm (EXTREME CUT OFF)

05.7207.BU

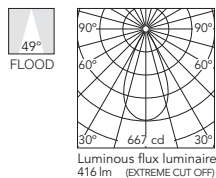


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	725	0.91
2	181	1.81
3	81	2.72
4	45	3.63
5	29	4.53

Luminous flux luminaire
463 lm (EXTREME CUT OFF)

05.7202.74

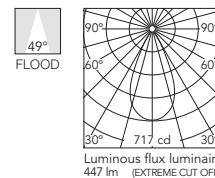


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	667	0.91
2	167	1.82
3	74	2.72
4	42	3.63
5	27	4.54

Luminous flux luminaire
416 lm (EXTREME CUT OFF)

05.7207.74

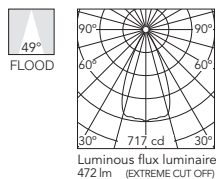


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.82
3	80	2.72
4	45	3.63
5	29	4.54

Luminous flux luminaire
447 lm (EXTREME CUT OFF)

05.7202.CU

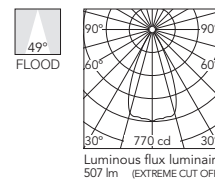


Beam Angle: 49°

h(m)	E(lx)	D(m)
1	717	0.91
2	179	1.83
3	80	2.74
4	45	3.66
5	29	4.57

Luminous flux luminaire
472 lm (EXTREME CUT OFF)

05.7207.CU



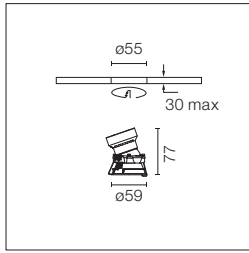
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	770	0.91
2	193	1.83
3	86	2.74
4	48	3.66
5	31	4.57

Luminous flux luminaire
507 lm (EXTREME CUT OFF)

Easy Kap Ø50 Adjustable - Optic Spot

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

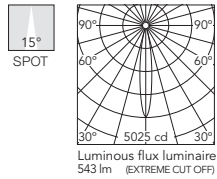
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 0-10V	60.9483
Dimmable Dali	60.9604
Mains Dimming	60.9421
Casambi	60.9392 + DALI/1-10V Driver

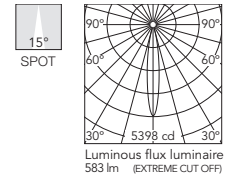
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
05.7210.B1



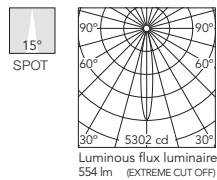
h(m)	E(lx)	D(m)
1	5025	0.27
2	1256	0.53
3	558	0.80
4	314	1.07
5	201	1.33

3000K
05.7215.B1



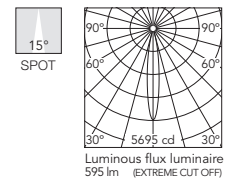
h(m)	E(lx)	D(m)
1	5398	0.27
2	1349	0.53
3	600	0.80
4	337	1.07
5	216	1.33

05.7210.GL



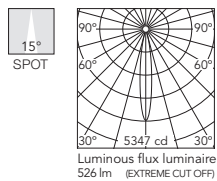
h(m)	E(lx)	D(m)
1	5302	0.26
2	1325	0.53
3	589	0.79
4	331	1.06
5	212	1.32

05.7215.GL



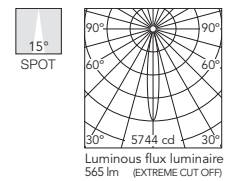
h(m)	E(lx)	D(m)
1	5695	0.26
2	1424	0.53
3	633	0.79
4	356	1.06
5	228	1.32

05.7210.BU



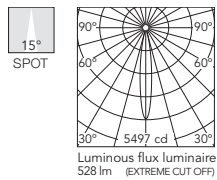
h(m)	E(lx)	D(m)
1	5347	0.26
2	1337	0.52
3	594	0.78
4	334	1.04
5	214	1.30

05.7215.BU



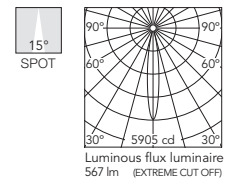
h(m)	E(lx)	D(m)
1	5744	0.26
2	1436	0.52
3	638	0.78
4	359	1.04
5	230	1.30

05.7210.74



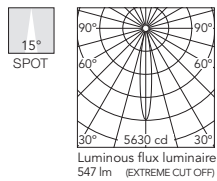
h(m)	E(lx)	D(m)
1	5497	0.26
2	1374	0.52
3	611	0.77
4	344	1.03
5	220	1.29

05.7215.74



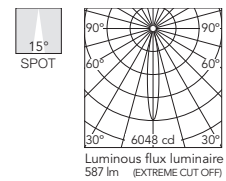
h(m)	E(lx)	D(m)
1	5905	0.26
2	1476	0.52
3	656	0.77
4	369	1.03
5	236	1.29

05.7210.CU



h(m)	E(lx)	D(m)
1	5630	0.26
2	1408	0.51
3	626	0.77
4	352	1.03
5	225	1.29

05.7215.CU

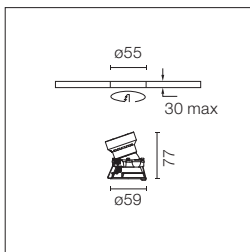


h(m)	E(lx)	D(m)
1	6048	0.26
2	1512	0.51
3	672	0.77
4	378	1.03
5	242	1.29

KAP

Easy Kap Ø50 Adjustable - Optic Medium

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

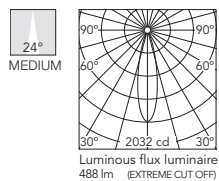
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

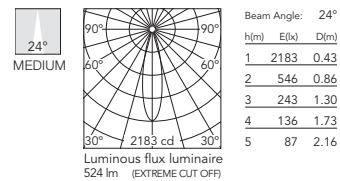
- Non Dimmable 60.9160
- Dimmable 0-10V 60.9483
- Dimmable Dali 60.9604
- Mains Dimming 60.9421
- Casambi 60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

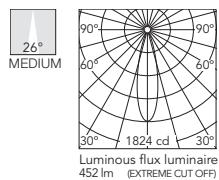
2700K
05.7211.B1



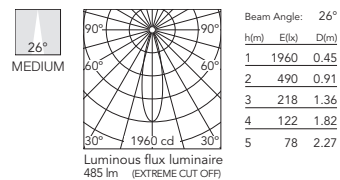
3000K
05.7216.B1



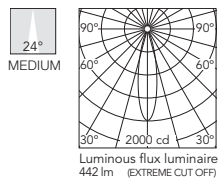
05.7211.GL



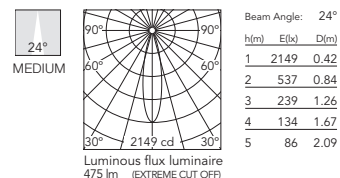
05.7216.GL



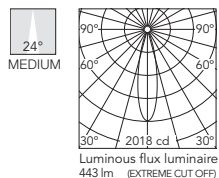
05.7211.BU



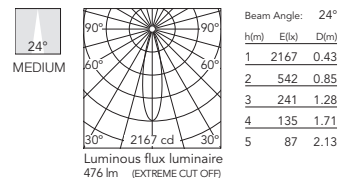
05.7216.BU



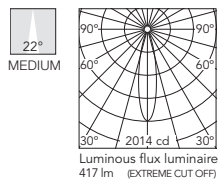
05.7211.74



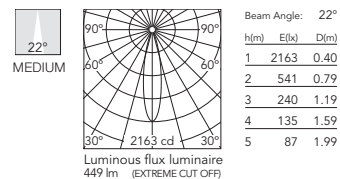
05.7216.74



05.7211.CU

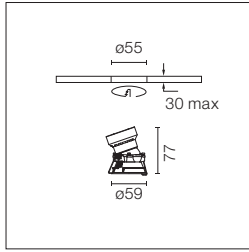


05.7216.CU



Easy Kap Ø50 Adjustable - Optic Flood

Light Source: LED Array DC 200 mA - 7,5W - 595 lm - 2700K/CRI 90 / 7,5W - 635 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary.

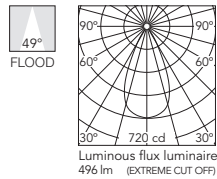
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

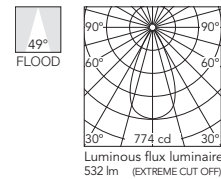
- Non Dimmable 60.9160
- Dimmable 0-10V 60.9483
- Dimmable Dali 60.9604
- Mains Dimming 60.9421
- Casambi 60.9392 + DALI/1-10V Driver

* Refer to the Drivers chapter / Ver capítulo Drivers

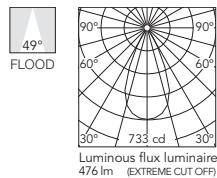
2700K
05.7212.B1



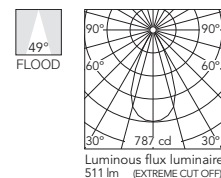
3000K
05.7217.B1



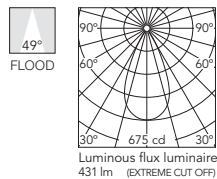
05.7212.GL



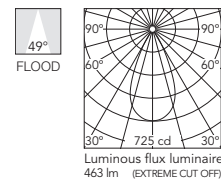
05.7217.GL



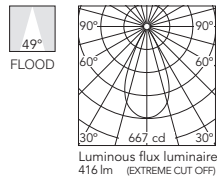
05.7212.BU



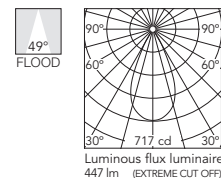
05.7217.BU



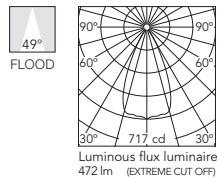
05.7212.74



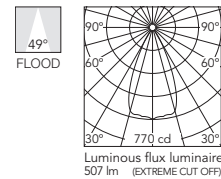
05.7217.74



05.7212.CU



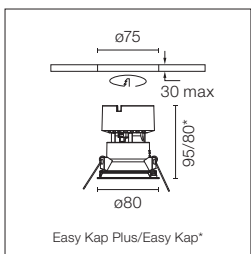
05.7217.CU



KAP

Easy Kap Ø80/Easy Kap Ø80 Plus - Fixed - Optic Spot

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



	GWT 850°		IP 54
	0,24 Kg		Easy Kap Ø80
	h=150 mm h=91* mm		TECEE
	CE		LED INCL
	III		

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

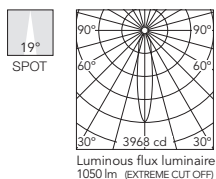
Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

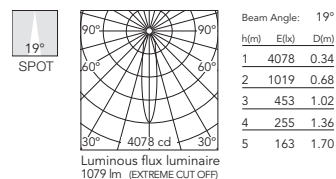
2700K

- Easy Kap Ø80
- 03.4288.B1
- Easy Kap Ø80 Plus
- 05.7441.B1

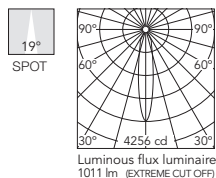


3000K

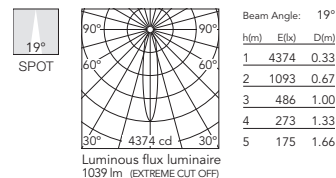
- Easy Kap Ø80
- 03.4287.B1
- Easy Kap Ø80 Plus
- 05.7440.B1



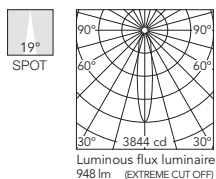
- Easy Kap Ø80
- 03.4288.GL
- Easy Kap Ø80 Plus
- 05.7441.GL



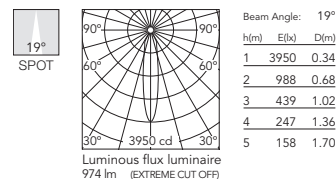
- Easy Kap Ø80
- 03.4287.GL
- Easy Kap Ø80 Plus
- 05.7440.GL



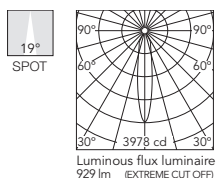
- Easy Kap Ø80
- 03.4288.BU
- Easy Kap Ø80 Plus
- 05.7441.BU



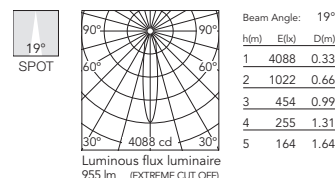
- Easy Kap Ø80
- 03.4287.BU
- Easy Kap Ø80 Plus
- 05.7440.BU



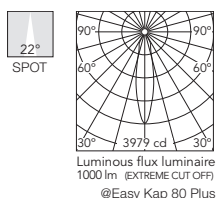
- Easy Kap Ø80
- 03.4288.74
- Easy Kap Ø80 Plus
- 05.7441.74



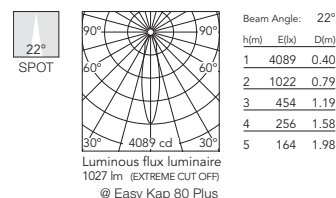
- Easy Kap Ø80
- 03.4287.74
- Easy Kap Ø80 Plus
- 05.7440.74



- Easy Kap Ø80
- 03.4288.CU
- Easy Kap Ø80 Plus
- 05.7441.CU



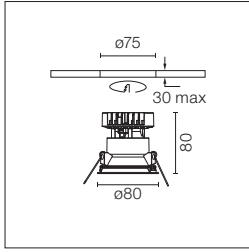
- Easy Kap Ø80
- 03.4287.CU
- Easy Kap Ø80 Plus
- 05.7440.CU



KAP

Easy Kap Ø80 Fixed - Optic Spot - Dim To Warm

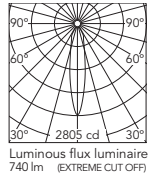
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4287.B1.LE

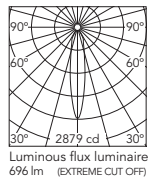


Beam Angle: 20°

h(m)	E(lx)	D(m)
1	2805	0.35
2	701	0.69
3	312	1.04
4	175	1.39
5	112	1.74

Luminous flux luminaire
740 lm (EXTREME CUT OFF)

03.4287.GL.LE

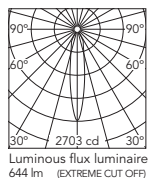


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2879	0.33
2	720	0.67
3	320	1.00
4	180	1.33
5	115	1.67

Luminous flux luminaire
696 lm (EXTREME CUT OFF)

03.4287.BU.LE

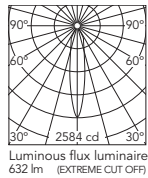


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2703	0.33
2	676	0.66
3	300	0.99
4	169	1.32
5	108	1.65

Luminous flux luminaire
644 lm (EXTREME CUT OFF)

03.4287.74.LE

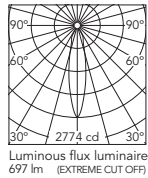


Beam Angle: 19°

h(m)	E(lx)	D(m)
1	2584	0.34
2	646	0.68
3	287	1.02
4	161	1.35
5	103	1.69

Luminous flux luminaire
632 lm (EXTREME CUT OFF)

03.4287.CU.LE



Beam Angle: 22°

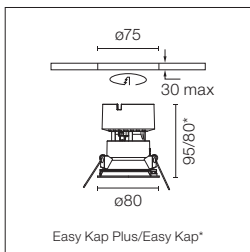
h(m)	E(lx)	D(m)
1	2774	0.38
2	693	0.76
3	308	1.14
4	173	1.53
5	111	1.91

Luminous flux luminaire
697 lm (EXTREME CUT OFF)

KAP

Easy Kap Ø80/ Easy Kap Ø80 Plus - Fixed - Optic Medium

Light Source: **Easy Kap Ø80:** LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



- GWT 850°
- 0,24 Kg
-
- IP 54
-
-
-
-
-

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

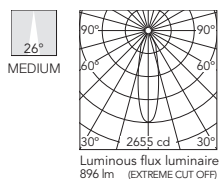
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Easy Kap Ø80
- 03.4193.B1
 - Easy Kap Ø80 Plus
 - 05.7431.B1

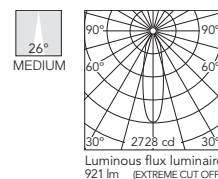


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2655	0.46
2	664	0.92
3	295	1.39
4	166	1.85
5	106	2.31

Luminous flux luminaire 896 lm (EXTREME CUT OFF)

- 3000K**
 Easy Kap Ø80
- 03.4192.B1
 - Easy Kap Ø80 Plus
 - 05.7430.B1

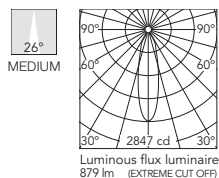


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2728	0.46
2	682	0.92
3	303	1.39
4	170	1.85
5	109	2.31

Luminous flux luminaire 921 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4193.GL
 - Easy Kap Ø80 Plus
 - 05.7431.GL

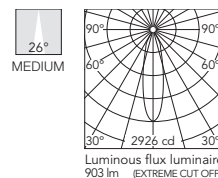


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2847	0.46
2	712	0.92
3	316	1.38
4	178	1.84
5	114	2.30

Luminous flux luminaire 879 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4192.GL
 - Easy Kap Ø80 Plus
 - 05.7430.GL

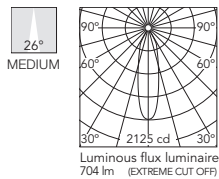


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2926	0.46
2	731	0.92
3	325	1.38
4	183	1.84
5	117	2.30

Luminous flux luminaire 903 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4193.BU
 - Easy Kap Ø80 Plus
 - 05.7431.BU

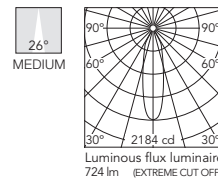


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2125	0.47
2	531	0.93
3	236	1.40
4	133	1.87
5	85	2.34

Luminous flux luminaire 704 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4192.BU
 - Easy Kap Ø80 Plus
 - 05.7430.BU

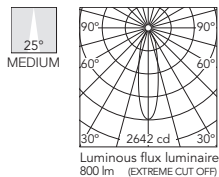


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2184	0.47
2	546	0.93
3	243	1.40
4	137	1.87
5	87	2.34

Luminous flux luminaire 724 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4193.74
 - Easy Kap Ø80 Plus
 - 05.7431.74

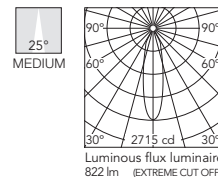


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2642	0.45
2	661	0.89
3	294	1.34
4	165	1.79
5	106	2.23

Luminous flux luminaire 800 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4192.74
 - Easy Kap Ø80 Plus
 - 05.7430.74

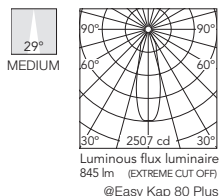


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2715	0.45
2	679	0.89
3	302	1.34
4	170	1.79
5	109	2.23

Luminous flux luminaire 822 lm (EXTREME CUT OFF)

- Easy Kap Ø80
- 03.4193.CU
 - Easy Kap Ø80 Plus
 - 05.7431.CU

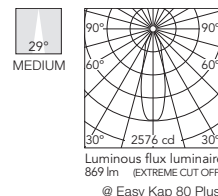


Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2507	0.51
2	627	1.03
3	279	1.54
4	157	2.05
5	100	2.57

Luminous flux luminaire 845 lm (EXTREME CUT OFF)
 @Easy Kap 80 Plus

- Easy Kap Ø80
- 03.4192.CU
 - Easy Kap Ø80 Plus
 - 05.7430.CU



Beam Angle: 29°

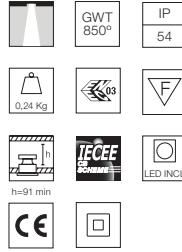
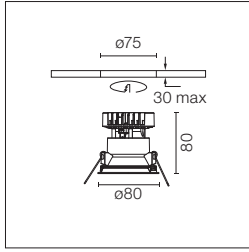
h(m)	E(lx)	D(m)
1	2576	0.51
2	644	1.03
3	286	1.54
4	161	2.05
5	103	2.57

Luminous flux luminaire 869 lm (EXTREME CUT OFF)
 @ Easy Kap 80 Plus

KAP

Easy Kap Ø80 Fixed - Optic Medium - Dim To Warm

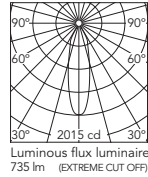
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4192.B1.LE

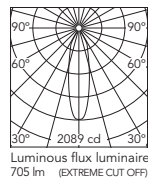


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2015	0.49
2	504	0.98
3	224	1.46
4	126	1.95
5	81	2.44

Luminous flux luminaire
735 lm (EXTREME CUT OFF)

03.4192.GL.LE

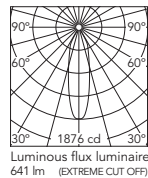


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2089	0.47
2	522	0.95
3	232	1.42
4	131	1.89
5	84	2.37

Luminous flux luminaire
705 lm (EXTREME CUT OFF)

03.4192.BU.LE

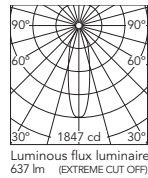


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1876	0.48
2	469	0.96
3	208	1.44
4	117	1.92
5	75	2.40

Luminous flux luminaire
641 lm (EXTREME CUT OFF)

03.4192.74.LE

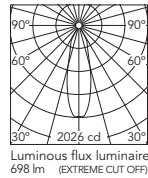


Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1847	0.49
2	462	0.98
3	205	1.47
4	115	1.96
5	74	2.45

Luminous flux luminaire
637 lm (EXTREME CUT OFF)

03.4192.CU.LE



Beam Angle: 29°

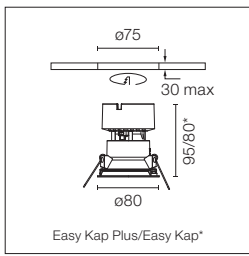
h(m)	E(lx)	D(m)
1	2026	0.52
2	506	1.04
3	225	1.56
4	127	2.09
5	81	2.61

Luminous flux luminaire
698 lm (EXTREME CUT OFF)

KAP

Easy Kap Ø80/Easy Kap Ø80 Plus - Fixed - Optic Flood

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



- GWT 850°
- IP 54
- 0,24 Kg
- Easy Kap Ø80
- Easy Kap Ø80 Plus
- LED INCL
- CE
- III

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

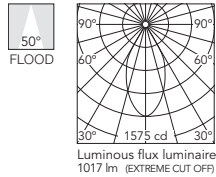
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Easy Kap Ø80
 03.4298.B1
 Easy Kap Ø80 Plus
 05.7447.B1

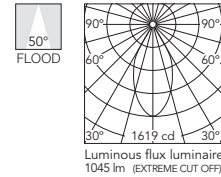


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1575	0.93
2	394	1.86
3	175	2.79
4	98	3.72
5	63	4.65

Luminous flux luminaire
1017 lm (EXTREME CUT OFF)

- 3000K**
 Easy Kap Ø80
 03.4297.B1
 Easy Kap Ø80 Plus
 05.7446.B1

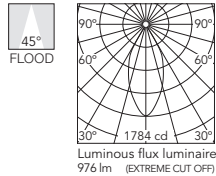


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1619	0.93
2	405	1.86
3	180	2.79
4	101	3.72
5	65	4.65

Luminous flux luminaire
1045 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4298.GL
 Easy Kap Ø80 Plus
 05.7447.GL

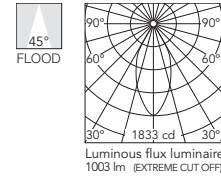


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1784	0.83
2	446	1.66
3	198	2.48
4	111	3.31
5	71	4.14

Luminous flux luminaire
976 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4297.GL
 Easy Kap Ø80 Plus
 05.7446.GL

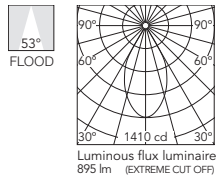


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1833	0.83
2	458	1.66
3	204	2.48
4	115	3.31
5	73	4.14

Luminous flux luminaire
1003 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4298.BU
 Easy Kap Ø80 Plus
 05.7447.BU

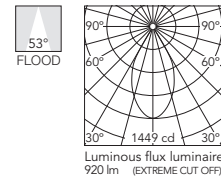


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1410	1.00
2	352	2.01
3	157	3.01
4	88	4.02
5	56	5.02

Luminous flux luminaire
895 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4297.BU
 Easy Kap Ø80 Plus
 05.7446.BU

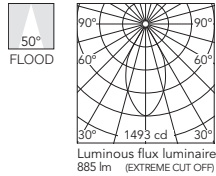


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1449	1.00
2	362	2.01
3	161	3.01
4	91	4.02
5	58	5.02

Luminous flux luminaire
920 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4298.74
 Easy Kap Ø80 Plus
 05.7447.74

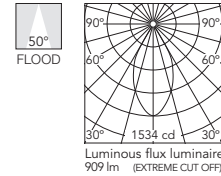


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1493	0.94
2	373	1.89
3	166	2.83
4	93	3.77
5	60	4.72

Luminous flux luminaire
885 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4297.74
 Easy Kap Ø80 Plus
 05.7446.74

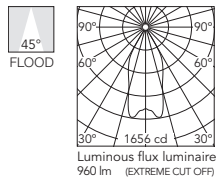


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1534	0.94
2	384	1.89
3	170	2.83
4	96	3.77
5	61	4.72

Luminous flux luminaire
909 lm (EXTREME CUT OFF)

- Easy Kap Ø80
 03.4298.CU
 Easy Kap Ø80 Plus
 05.7447.CU

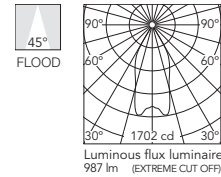


Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1656	0.83
2	414	1.66
3	184	2.49
4	103	3.32
5	66	4.14

Luminous flux luminaire
960 lm (EXTREME CUT OFF)
@Easy Kap 80 Plus

- Easy Kap Ø80
 03.4297.CU
 Easy Kap Ø80 Plus
 05.7446.CU



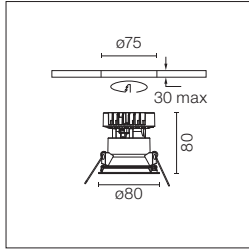
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1702	0.83
2	425	1.66
3	189	2.49
4	106	3.32
5	68	4.14

Luminous flux luminaire
987 lm (EXTREME CUT OFF)
@ Easy Kap 80 Plus

Easy Kap Ø80 Fixed - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm

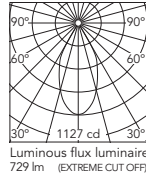


	GWT 850°	IP 54
	0,24 Kg	
	h=91 min	

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included.
For 110V PSU versions, please consult with the front office.
Installation frame not necessary.
Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida.
Para versiones con equipos 110V preguntar al Front office.
Marco de instalación no necesario.
Lente difusora incluida.

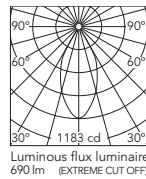
1800K-2850K
03.4297.B1.LE



Beam Angle: 49°

h(m)	E(lx)	D(m)
1	1127	0.92
2	282	1.83
3	125	2.75
4	70	3.67
5	45	4.59

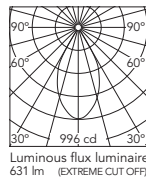
03.4297.GL.LE



Beam Angle: 47°

h(m)	E(lx)	D(m)
1	1183	0.87
2	296	1.75
3	131	2.62
4	74	3.50
5	47	4.37

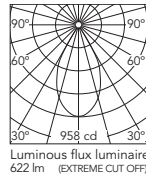
03.4297.BU.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	996	1.00
2	249	1.99
3	111	2.99
4	62	3.98
5	40	4.98

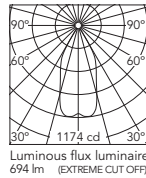
03.4297.74.LE



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	958	1.02
2	239	2.04
3	106	3.06
4	60	4.09
5	38	5.11

03.4297.CU.LE



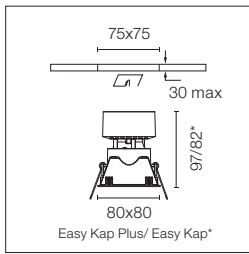
Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1174	0.86
2	293	1.71
3	130	2.57
4	73	3.42
5	47	4.28

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Spot

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



- GWT 850°
- IP 54
- 0,24 Kg
- Easy Kap 80
- TFC EE
- LED INCL
- h=150 mm
h=91* mm
- Easy Kap 80
- CE
- III

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

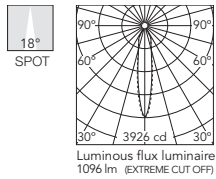
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

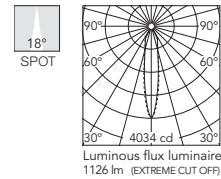
* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Easy Kap 80 Square
 03.4177.B1
 Easy Kap 80 Plus Square
 05.7407.B1



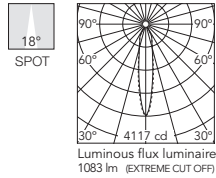
h(m)	E(lx)	D(m)
1	3926	0.31
2	981	0.62
3	436	0.94
4	245	1.25
5	157	1.56

- 3000K**
 Easy Kap 80 Square
 03.4176.B1
 Easy Kap 80 Plus Square
 05.7406.B1



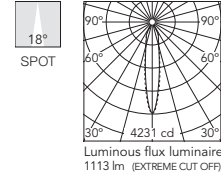
h(m)	E(lx)	D(m)
1	4034	0.31
2	1009	0.62
3	448	0.94
4	252	1.25
5	161	1.56

- Easy Kap 80 Square
 03.4177.GL
 Easy Kap 80 Plus Square
 05.7407.GL



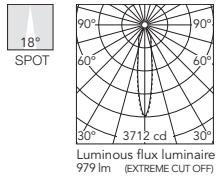
h(m)	E(lx)	D(m)
1	4117	0.31
2	1029	0.63
3	457	0.94
4	257	1.26
5	165	1.57

- Easy Kap 80 Square
 03.4176.GL
 Easy Kap 80 Plus Square
 05.7406.GL



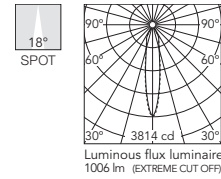
h(m)	E(lx)	D(m)
1	4231	0.31
2	1058	0.63
3	470	0.94
4	264	1.26
5	169	1.57

- Easy Kap 80 Square
 03.4177.BU
 Easy Kap 80 Plus Square
 05.7407.BU



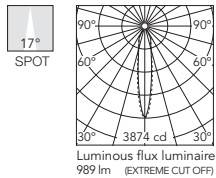
h(m)	E(lx)	D(m)
1	3712	0.32
2	928	0.64
3	412	0.96
4	232	1.28
5	148	1.60

- Easy Kap 80 Square
 03.4176.BU
 Easy Kap 80 Plus Square
 05.7406.BU



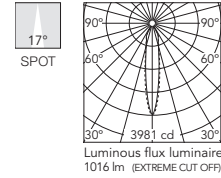
h(m)	E(lx)	D(m)
1	3814	0.32
2	954	0.64
3	424	0.96
4	238	1.28
5	153	1.60

- Easy Kap 80 Square
 03.4177.74
 Easy Kap 80 Plus Square
 05.7407.74



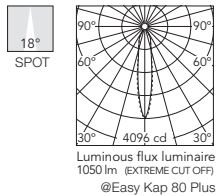
h(m)	E(lx)	D(m)
1	3874	0.30
2	969	0.60
3	430	0.90
4	242	1.20
5	155	1.50

- Easy Kap 80 Square
 03.4176.74
 Easy Kap 80 Plus Square
 05.7406.74



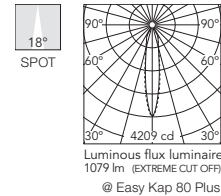
h(m)	E(lx)	D(m)
1	3981	0.30
2	995	0.60
3	442	0.90
4	249	1.20
5	159	1.50

- Easy Kap 80 Square
 03.4177.CU
 Easy Kap 80 Plus Square
 05.7407.CU



h(m)	E(lx)	D(m)
1	4096	0.31
2	1024	0.62
3	455	0.94
4	256	1.25
5	164	1.56

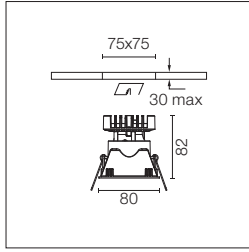
- Easy Kap 80 Square
 03.4176.CU
 Easy Kap 80 Plus Square
 05.7406.CU



h(m)	E(lx)	D(m)
1	4209	0.31
2	1052	0.62
3	468	0.94
4	263	1.25
5	168	1.56

Easy Kap 80 Square Fixed - Optic Spot - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm

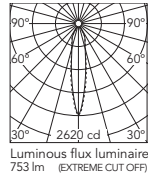


GWT 850°
 IP 54
 0,24 Kg
 CE
 LED INCL

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

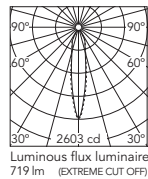
1800K-2850K
 03.4176.B1.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2620	0.32
2	655	0.64
3	291	0.96
4	164	1.28
5	105	1.60

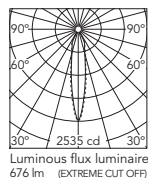
03.4176.GL.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2603	0.32
2	651	0.64
3	289	0.96
4	163	1.28
5	104	1.60

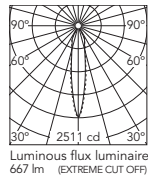
03.4176.BU.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2535	0.31
2	634	0.63
3	282	0.94
4	158	1.26
5	101	1.57

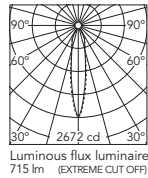
03.4176.74.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2511	0.31
2	628	0.63
3	279	0.94
4	157	1.25
5	100	1.57

03.4176.CU.LE



Beam Angle: 18°

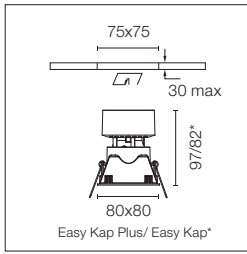
h(m)	E(lx)	D(m)
1	2672	0.32
2	668	0.64
3	297	0.96
4	167	1.29
5	107	1.61

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Medium

Light Source: **Easy Kap 80 Square** LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90

Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



	GWT 850°		IP 54
	0,24 Kg		Easy Kap 80
	h=150 mm h=91* mm		Easy Kap 80
	CE		LED INCL

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

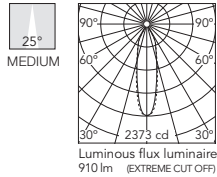
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

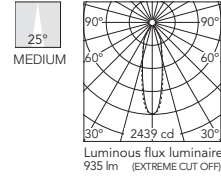
* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
Easy Kap 80 Square
- 03.4195.B1
 - Easy Kap 80 Plus Square
 - 05.7433.B1



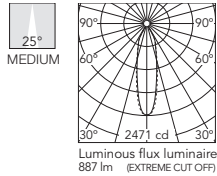
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2373	0.45	
2	593	0.90	
3	264	1.34	
4	148	1.79	
5	95	2.24	

- 3000K**
Easy Kap 80 Square
- 03.4194.B1
 - Easy Kap 80 Plus Square
 - 05.7432.B1



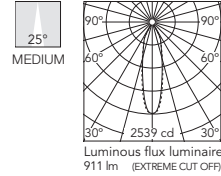
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2439	0.45	
2	610	0.90	
3	271	1.34	
4	152	1.79	
5	98	2.24	

- Easy Kap 80 Square
- 03.4195.GL
 - Easy Kap 80 Plus Square
 - 05.7433.GL



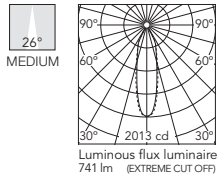
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2471	0.45	
2	618	0.90	
3	275	1.34	
4	154	1.79	
5	99	2.24	

- Easy Kap 80 Square
- 03.4194.GL
 - Easy Kap 80 Plus Square
 - 05.7432.GL



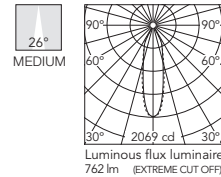
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2539	0.45	
2	635	0.90	
3	282	1.34	
4	159	1.79	
5	102	2.24	

- Easy Kap 80 Square
- 03.4195.BU
 - Easy Kap 80 Plus Square
 - 05.7433.BU



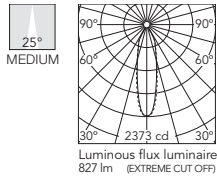
Beam Angle: 26°	h(m)	Et(lx)	D(m)
1	2013	0.45	
2	503	0.91	
3	224	1.36	
4	126	1.82	
5	81	2.27	

- Easy Kap 80 Square
- 03.4194.BU
 - Easy Kap 80 Plus Square
 - 05.7432.BU



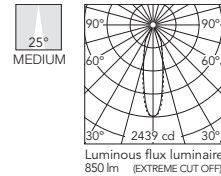
Beam Angle: 26°	h(m)	Et(lx)	D(m)
1	2069	0.45	
2	517	0.91	
3	230	1.36	
4	129	1.82	
5	83	2.27	

- Easy Kap 80 Square
- 03.4195.74
 - Easy Kap 80 Plus Square
 - 05.7433.74



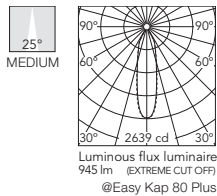
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2373	0.44	
2	593	0.88	
3	264	1.32	
4	148	1.76	
5	95	2.20	

- Easy Kap 80 Square
- 03.4194.74
 - Easy Kap 80 Plus Square
 - 05.7432.74



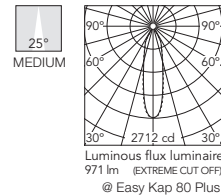
Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2439	0.44	
2	610	0.88	
3	271	1.32	
4	152	1.76	
5	98	2.20	

- Easy Kap 80 Square
- 03.4195.CU
 - Easy Kap 80 Plus Square
 - 05.7433.CU



Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2639	0.44	
2	660	0.88	
3	293	1.32	
4	165	1.75	
5	106	2.19	

- Easy Kap 80 Square
- 03.4194.CU
 - Easy Kap 80 Plus Square
 - 05.7432.CU

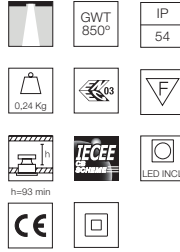
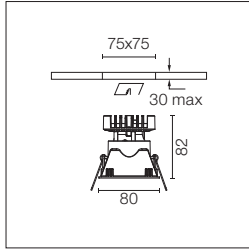


Beam Angle: 25°	h(m)	Et(lx)	D(m)
1	2712	0.44	
2	678	0.88	
3	301	1.32	
4	169	1.75	
5	108	2.19	

KAP

Easy Kap 80 Square Fixed - Optic Medium - Dim To Warm

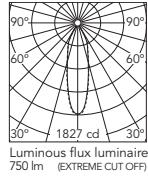
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

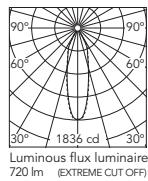
1800K-2850K
03.4194.B1.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1827	0.48
2	457	0.96
3	203	1.45
4	114	1.93
5	73	2.41

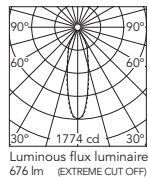
03.4194.GL.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1836	0.49
2	459	0.98
3	204	1.47
4	115	1.95
5	73	2.44

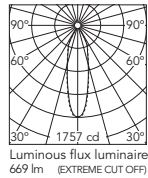
03.4194.BU.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1774	0.48
2	444	0.96
3	197	1.44
4	111	1.92
5	71	2.40

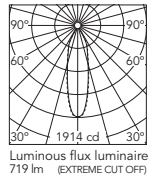
03.4194.74.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1757	0.48
2	439	0.96
3	195	1.44
4	110	1.93
5	70	2.41

03.4194.CU.LE



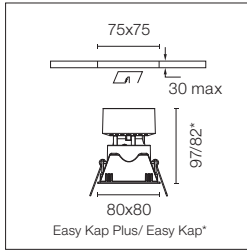
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1914	0.48
2	478	0.95
3	213	1.43
4	120	1.90
5	77	2.38

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Fixed - Optic Flood

Light Source: **Easy Kap 80 Square:** LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



GWT 850° IP 54
 0,24 Kg
 Easy Kap 80
 h=150 mm h=91* mm
 CE
 III
 LED INCL

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

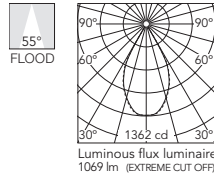
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

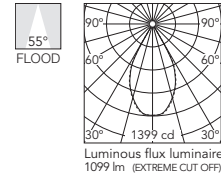
- 2700K**
 Easy Kap 80 Square
 03.4179.B1
 Easy Kap 80 Plus Square
 05.7409.B1



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1362	1.03
2	340	2.07
3	151	3.10
4	85	4.14
5	54	5.17

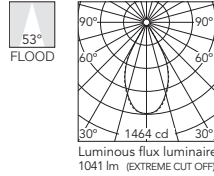
- 3000K**
 Easy Kap 80 Square
 03.4178.B1
 Easy Kap 80 Plus Square
 05.7408.B1



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1399	1.03
2	350	2.07
3	155	3.10
4	87	4.14
5	56	5.17

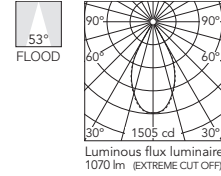
- Easy Kap 80 Square
 03.4179.GL
 Easy Kap 80 Plus Square
 05.7409.GL



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1464	1.00
2	366	2.00
3	163	3.00
4	92	4.00
5	59	5.01

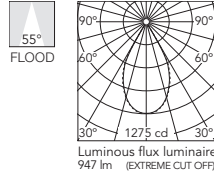
- Easy Kap 80 Square
 03.4178.GL
 Easy Kap 80 Plus Square
 05.7408.GL



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1505	1.00
2	376	2.00
3	167	3.00
4	94	4.00
5	60	5.01

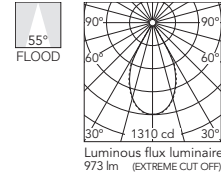
- Easy Kap 80 Square
 03.4179.BU
 Easy Kap 80 Plus Square
 05.7409.BU



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1275	1.04
2	319	2.09
3	142	3.13
4	80	4.18
5	51	5.22

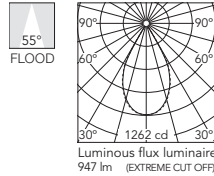
- Easy Kap 80 Square
 03.4178.BU
 Easy Kap 80 Plus Square
 05.7408.BU



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1310	1.04
2	327	2.09
3	146	3.13
4	82	4.18
5	52	5.22

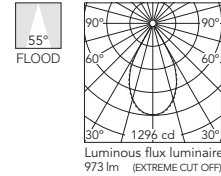
- Easy Kap 80 Square
 03.4179.74
 Easy Kap 80 Plus Square
 05.7409.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1262	1.05
2	315	2.10
3	140	3.16
4	79	4.21
5	50	5.26

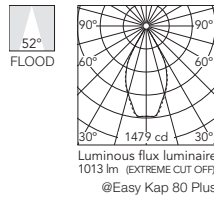
- Easy Kap 80 Square
 03.4178.74
 Easy Kap 80 Plus Square
 05.7408.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1296	1.05
2	324	2.10
3	144	3.16
4	81	4.21
5	52	5.26

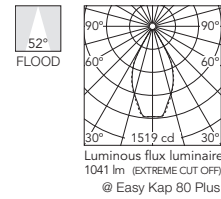
- Easy Kap 80 Square
 03.4179.CU
 Easy Kap 80 Plus Square
 05.7409.CU



Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1479	0.97
2	370	1.93
3	164	2.90
4	92	3.87
5	59	4.84

- Easy Kap 80 Square
 03.4178.CU
 Easy Kap 80 Plus Square
 05.7408.CU

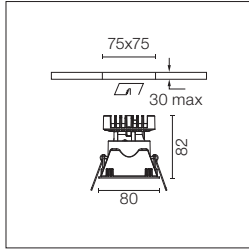


Beam Angle: 52°

h(m)	E(lx)	D(m)
1	1519	0.97
2	380	1.93
3	169	2.90
4	95	3.87
5	61	4.84

Easy Kap 80 Square Fixed - Optic Flood - Dim To Warm

Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm

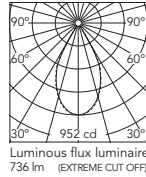


GWT 850°
 IP 54
 0,24 Kg
 CE
 TECSEE
 LED INCL
 h=93 min

Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4178.B1.LE

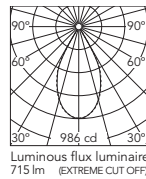


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	952	1.02
2	238	2.04
3	106	3.06
4	59	4.08
5	38	5.10

Luminous flux luminaire
736 lm (EXTREME CUT OFF)

03.4178.GL.LE

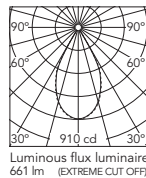


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	986	1.00
2	247	2.01
3	110	3.01
4	62	4.01
5	39	5.02

Luminous flux luminaire
715 lm (EXTREME CUT OFF)

03.4178.BU.LE

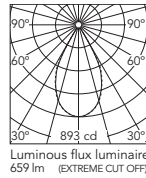


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	910	1.02
2	227	2.05
3	101	3.07
4	57	4.09
5	36	5.12

Luminous flux luminaire
661 lm (EXTREME CUT OFF)

03.4178.74.LE

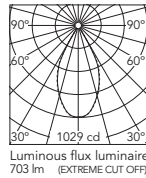


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	893	1.03
2	223	2.05
3	99	3.08
4	56	4.11
5	36	5.14

Luminous flux luminaire
659 lm (EXTREME CUT OFF)

03.4178.CU.LE



Beam Angle: 52°

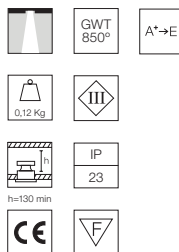
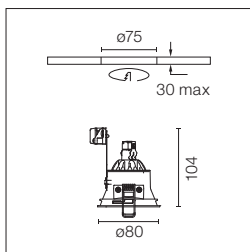
h(m)	E(lx)	D(m)
1	1029	0.97
2	257	1.94
3	114	2.92
4	64	3.89
5	41	4.86

Luminous flux luminaire
703 lm (EXTREME CUT OFF)

KAP

Easy Kap Ø80 Fixed

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



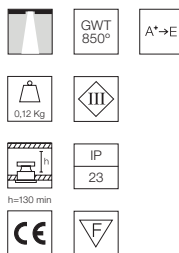
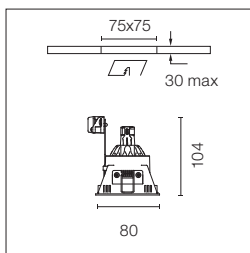
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

03.4210.B1
03.4210.GL
03.4210.BU
03.4210.74
03.4210.CU

Easy Kap 80 Square Fixed

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



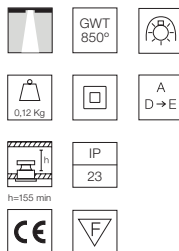
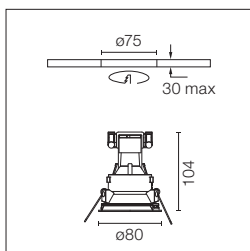
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

03.4208.B1
03.4208.GL
03.4208.BU
03.4208.74
03.4208.CU

Easy Kap Ø80 Fixed

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



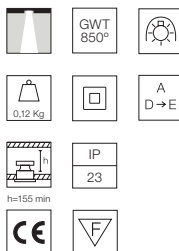
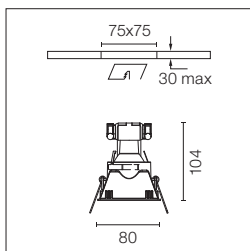
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

03.4211.B1
03.4211.GL
03.4211.BU
03.4211.74
03.4211.CU

Easy Kap 80 Square Fixed

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

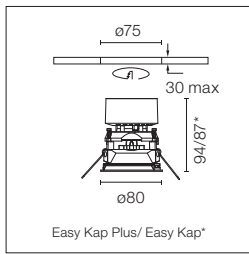
03.4209.B1
03.4209.GL
03.4209.BU
03.4209.74
03.4209.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

K A P

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Spot

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

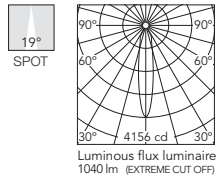
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

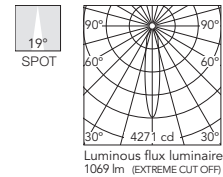
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

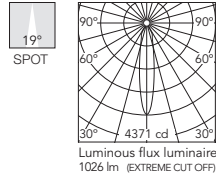
- 2700K**
 Easy Kap Ø80
 03.4153.B1
 Easy Kap Ø80 Plus
 05.7400.B1



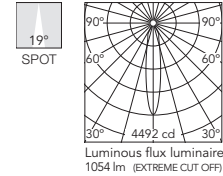
- 3000K**
 Easy Kap Ø80
 03.4170.B1
 Easy Kap Ø80 Plus
 05.7403.B1



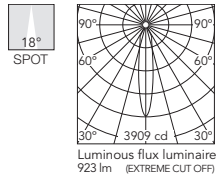
- Easy Kap Ø80
 03.4153.GL
 Easy Kap Ø80 Plus
 05.7400.GL



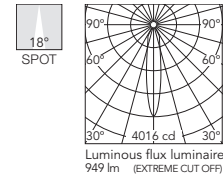
- Easy Kap Ø80
 03.4170.GL
 Easy Kap Ø80 Plus
 05.7403.GL



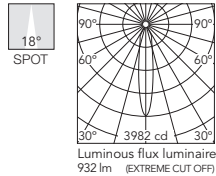
- Easy Kap Ø80
 03.4153.BU
 Easy Kap Ø80 Plus
 05.7400.BU



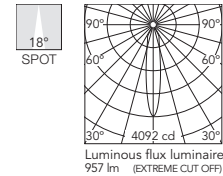
- Easy Kap Ø80
 03.4170.BU
 Easy Kap Ø80 Plus
 05.7403.BU



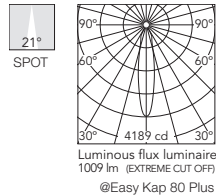
- Easy Kap Ø80
 03.4153.74
 Easy Kap Ø80 Plus
 05.7400.74



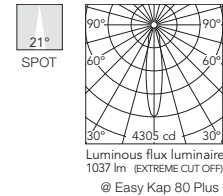
- Easy Kap Ø80
 03.4170.74
 Easy Kap Ø80 Plus
 05.7403.74



- Easy Kap Ø80
 03.4153.CU
 Easy Kap Ø80 Plus
 05.7400.CU



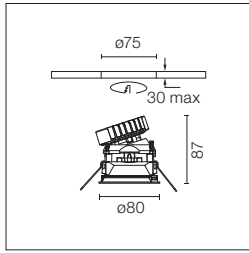
- Easy Kap Ø80
 03.4170.CU
 Easy Kap Ø80 Plus
 05.7403.CU



KAP

Easy Kap Ø80 Adjustable - Optic Spot - Dim To Warm

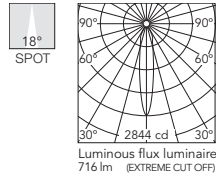
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

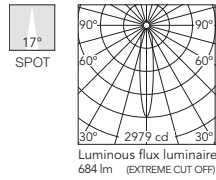
1800K-2850K
03.4170.B1.LE



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2844	0.31
2	711	0.63
3	316	0.94
4	178	1.25
5	114	1.56

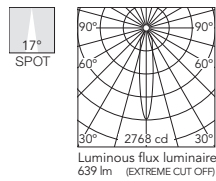
03.4170.GL.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2979	0.30
2	745	0.61
3	331	0.91
4	186	1.21
5	119	1.52

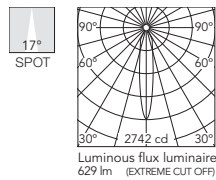
03.4170.BU.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2768	0.31
2	692	0.61
3	308	0.92
4	173	1.22
5	111	1.53

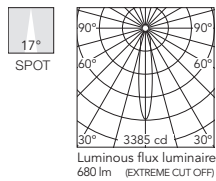
03.4170.74.LE



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	2742	0.31
2	686	0.61
3	305	0.92
4	171	1.22
5	110	1.53

03.4170.CU.LE



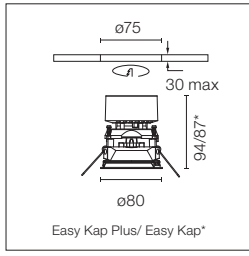
Beam Angle: 17°

h(m)	E(lx)	D(m)
1	3385	0.30
2	846	0.60
3	376	0.90
4	212	1.20
5	135	1.50

KAP

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Medium

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



- Beam Angle: 26°
- CE
- IP 54
- GWT 850°
- F
- 360°
- Easy Kap Ø80
- LED INCL
- 0,24 Kg
- Easy Kap Ø80
- III
- h=150 min h=91* min

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

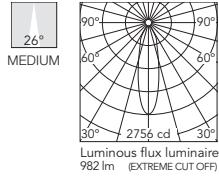
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

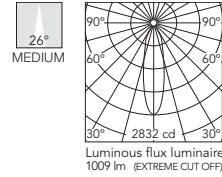
- 2700K**
 Easy Kap Ø80
 03.4155.B1
 Easy Kap Ø80 Plus
 05.7401.B1



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2756	0.47	
2	689	0.93	
3	306	1.40	
4	172	1.87	
5	110	2.33	

Luminous flux luminaire 982 lm (EXTREME CUT OFF)

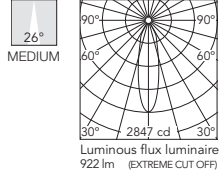
- 3000K**
 Easy Kap Ø80
 03.4171.B1
 Easy Kap Ø80 Plus
 05.7404.B1



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2832	0.47	
2	708	0.93	
3	315	1.40	
4	177	1.87	
5	113	2.33	

Luminous flux luminaire 1009 lm (EXTREME CUT OFF)

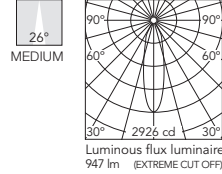
- Easy Kap Ø80
 03.4155.GL
 Easy Kap Ø80 Plus
 05.7401.GL



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2847	0.46	
2	712	0.93	
3	316	1.39	
4	178	1.85	
5	114	2.32	

Luminous flux luminaire 922 lm (EXTREME CUT OFF)

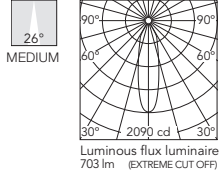
- Easy Kap Ø80
 03.4171.GL
 Easy Kap Ø80 Plus
 05.7404.GL



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2926	0.46	
2	731	0.93	
3	325	1.39	
4	183	1.85	
5	117	2.32	

Luminous flux luminaire 947 lm (EXTREME CUT OFF)

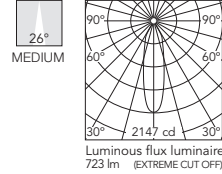
- Easy Kap Ø80
 03.4155.BU
 Easy Kap Ø80 Plus
 05.7401.BU



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2090	0.47	
2	522	0.94	
3	232	1.40	
4	131	1.87	
5	84	2.34	

Luminous flux luminaire 703 lm (EXTREME CUT OFF)

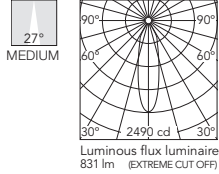
- Easy Kap Ø80
 03.4171.BU
 Easy Kap Ø80 Plus
 05.7404.BU



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2147	0.47	
2	537	0.94	
3	239	1.40	
4	134	1.87	
5	86	2.34	

Luminous flux luminaire 723 lm (EXTREME CUT OFF)

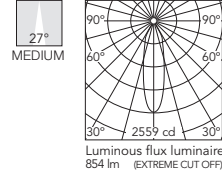
- Easy Kap Ø80
 03.4155.74
 Easy Kap Ø80 Plus
 05.7401.74



Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2490	0.47	
2	622	0.95	
3	277	1.42	
4	156	1.89	
5	100	2.37	

Luminous flux luminaire 831 lm (EXTREME CUT OFF)

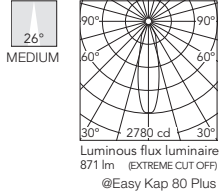
- Easy Kap Ø80
 03.4171.74
 Easy Kap Ø80 Plus
 05.7404.74



Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2559	0.47	
2	640	0.95	
3	284	1.42	
4	160	1.89	
5	102	2.37	

Luminous flux luminaire 854 lm (EXTREME CUT OFF)

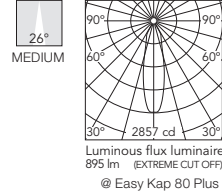
- Easy Kap Ø80
 03.4155.CU
 Easy Kap Ø80 Plus
 05.7401.CU



Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2780	0.47	
2	695	0.93	
3	309	1.40	
4	174	1.86	
5	111	2.33	

Luminous flux luminaire 871 lm (EXTREME CUT OFF)
 @ Easy Kap 80 Plus

- Easy Kap Ø80
 03.4171.CU
 Easy Kap Ø80 Plus
 05.7404.CU



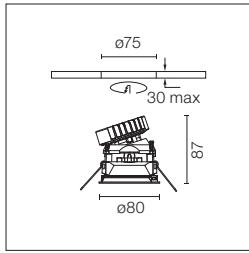
Beam Angle: 26°	h(m)	E(lx)	D(m)
1	2857	0.47	
2	714	0.93	
3	317	1.40	
4	179	1.86	
5	114	2.33	

Luminous flux luminaire 895 lm (EXTREME CUT OFF)
 @ Easy Kap 80 Plus

KAP

Easy Kap Ø80 Adjustable - Optic Medium - Dim To Warm

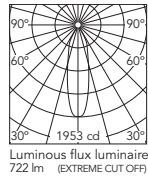
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

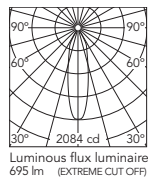
1800K-2850K
03.4171.B1.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1953	0.48
2	488	0.97
3	217	1.45
4	122	1.94
5	78	2.42

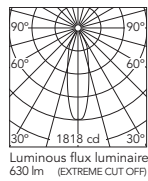
03.4171.GL.LE



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2084	0.46
2	521	0.92
3	232	1.38
4	130	1.85
5	83	2.31

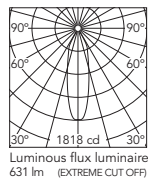
03.4171.BU.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	454	0.98
3	202	1.47
4	114	1.96
5	73	2.45

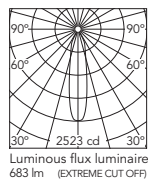
03.4171.74.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1818	0.49
2	455	0.99
3	202	1.48
4	114	1.97
5	73	2.46

03.4171.CU.LE

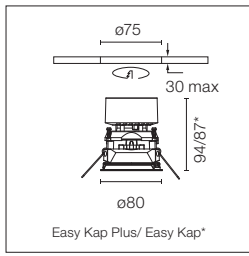


Beam Angle: 22°

h(m)	E(lx)	D(m)
1	2523	0.39
2	631	0.78
3	280	1.17
4	158	1.56
5	101	1.95

Easy Kap Ø80/Easy Kap Ø80 Plus - Adjustable - Optic Flood

Light Source: **Easy Kap Ø80:** LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



IP 54
 GWT 850°
 20°
 360°
 Easy Kap Ø80
 LED INCL
 0,24 Kg
 Easy Kap Ø80 Plus
 III
 h=150 min h=91* min

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

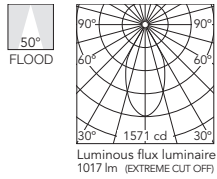
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

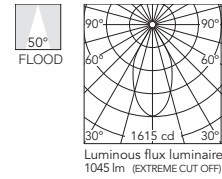
- 2700K**
 Easy Kap Ø80
 03.4157.B1
 Easy Kap Ø80 Plus
 05.7402.B1



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1571	0.94
2	393	1.89
3	175	2.83
4	98	3.77
5	63	4.71

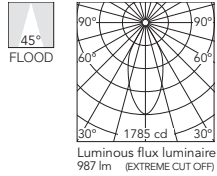
- 3000K**
 Easy Kap Ø80
 03.4172.B1
 Easy Kap Ø80 Plus
 05.7405.B1



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1615	0.94
2	404	1.89
3	179	2.83
4	101	3.77
5	65	4.71

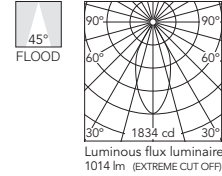
- Easy Kap Ø80
 03.4157.GL
 Easy Kap Ø80 Plus
 05.7402.GL



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1785	0.83
2	446	1.67
3	198	2.50
4	112	3.34
5	71	4.17

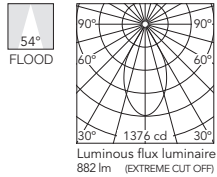
- Easy Kap Ø80
 03.4172.GL
 Easy Kap Ø80 Plus
 05.7405.GL



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	1834	0.83
2	458	1.67
3	204	2.50
4	115	3.34
5	73	4.17

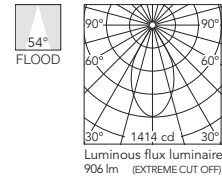
- Easy Kap Ø80
 03.4157.BU
 Easy Kap Ø80 Plus
 05.7402.BU



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1376	1.01
2	344	2.03
3	153	3.04
4	86	4.05
5	55	5.07

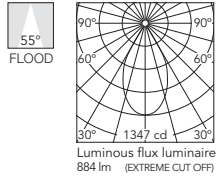
- Easy Kap Ø80
 03.4172.BU
 Easy Kap Ø80 Plus
 05.7405.BU



Beam Angle: 54°

h(m)	E(lx)	D(m)
1	1414	1.01
2	353	2.03
3	157	3.04
4	88	4.05
5	57	5.07

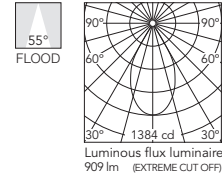
- Easy Kap Ø80
 03.4157.74
 Easy Kap Ø80 Plus
 05.7402.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1347	1.04
2	337	2.08
3	150	3.12
4	84	4.16
5	54	5.20

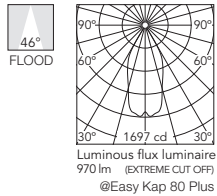
- Easy Kap Ø80
 03.4172.74
 Easy Kap Ø80 Plus
 05.7405.74



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1384	1.04
2	346	2.08
3	154	3.12
4	87	4.16
5	55	5.20

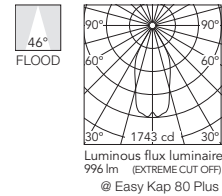
- Easy Kap Ø80
 03.4157.CU
 Easy Kap Ø80 Plus
 05.7402.CU



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1697	0.85
2	424	1.70
3	189	2.55
4	106	3.40
5	68	4.26

- Easy Kap Ø80
 03.4172.CU
 Easy Kap Ø80 Plus
 05.7405.CU

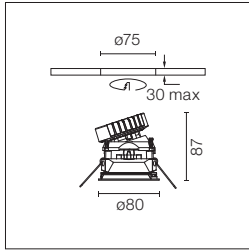


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1743	0.85
2	436	1.70
3	194	2.55
4	109	3.40
5	70	4.26

Easy Kap Ø80 Adjustable - Optic Flood - Dim To Warm

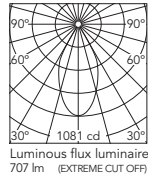
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4172.B1.LE

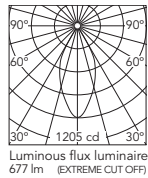


Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1081	0.94
2	270	1.89
3	120	2.83
4	68	3.78
5	43	4.72

Luminous flux luminaire
707 lm (EXTREME CUT OFF)

03.4172.GL.LE

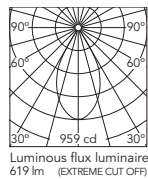


Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1205	0.85
2	301	1.71
3	134	2.56
4	75	3.41
5	48	4.26

Luminous flux luminaire
677 lm (EXTREME CUT OFF)

03.4172.BU.LE

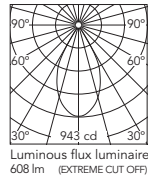


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	959	1.01
2	240	2.02
3	107	3.03
4	60	4.04
5	38	5.05

Luminous flux luminaire
619 lm (EXTREME CUT OFF)

03.4172.74.LE

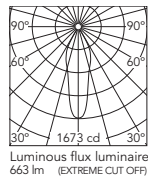


Beam Angle: 54°

h(m)	E(lx)	D(m)
1	943	1.01
2	236	2.03
3	105	3.04
4	59	4.06
5	38	5.07

Luminous flux luminaire
608 lm (EXTREME CUT OFF)

03.4172.CU.LE



Beam Angle: 27°

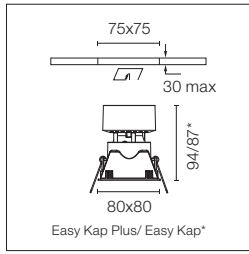
h(m)	E(lx)	D(m)
1	1673	0.49
2	418	0.97
3	186	1.46
4	105	1.94
5	67	2.43

Luminous flux luminaire
663 lm (EXTREME CUT OFF)

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Spot

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



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- 0,24 Kg
-

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

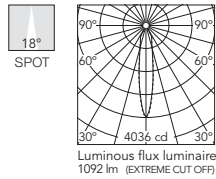
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

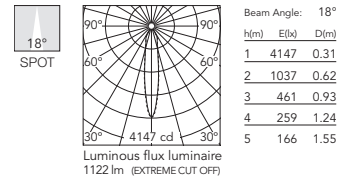
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

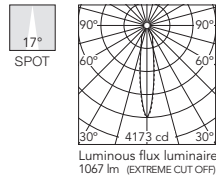
- 2700K**
 Easy Kap 80 Square
 03.4294.B1
 Easy Kap 80 Plus Square
 05.7443.B1



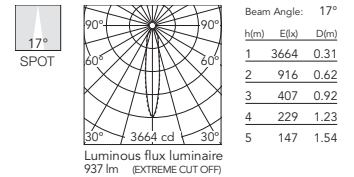
- 3000K**
 Easy Kap 80 Square
 03.4293.B1
 Easy Kap 80 Plus Square
 05.7442.B1



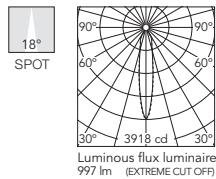
- Easy Kap 80 Square
 03.4294.GL
 Easy Kap 80 Plus Square
 05.7443.GL



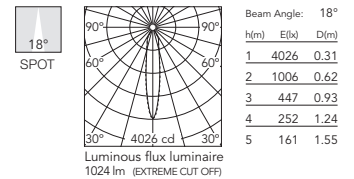
- Easy Kap 80 Square
 03.4293.GL
 Easy Kap 80 Plus Square
 05.7442.GL



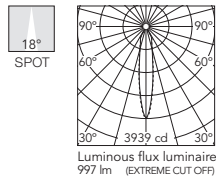
- Easy Kap 80 Square
 03.4294.BU
 Easy Kap 80 Plus Square
 05.7443.BU



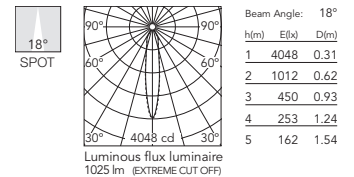
- Easy Kap 80 Square
 03.4293.BU
 Easy Kap 80 Plus Square
 05.7442.BU



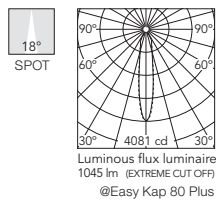
- Easy Kap 80 Square
 03.4294.74
 Easy Kap 80 Plus Square
 05.7443.74



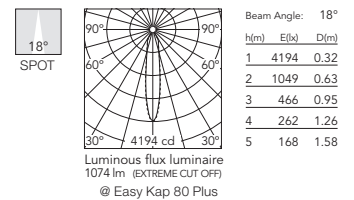
- Easy Kap 80 Square
 03.4293.74
 Easy Kap 80 Plus Square
 05.7442.74



- Easy Kap 80 Square
 03.4294.CU
 Easy Kap 80 Plus Square
 05.7443.CU

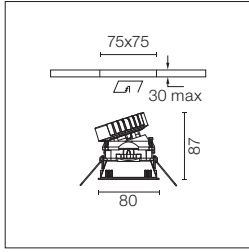


- Easy Kap 80 Square
 03.4293.CU
 Easy Kap 80 Plus Square
 05.7442.CU



Easy Kap 80 Square Adjustable - Optic Spot - Dim To Warm

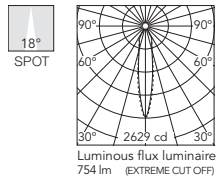
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

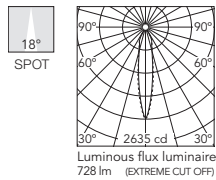
Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4293.B1.LE



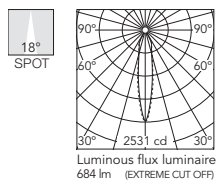
h(m)	E(lx)	D(m)
1	2629	0.31
2	657	0.63
3	292	0.94
4	164	1.26
5	105	1.57

03.4293.GL.LE



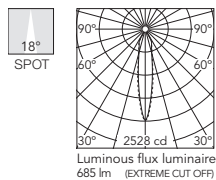
h(m)	E(lx)	D(m)
1	2635	0.32
2	659	0.63
3	293	0.95
4	165	1.26
5	105	1.58

03.4293.BU.LE



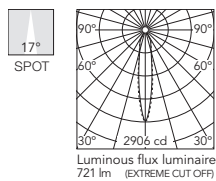
h(m)	E(lx)	D(m)
1	2531	0.31
2	633	0.63
3	281	0.94
4	158	1.26
5	101	1.57

03.4293.74.LE



h(m)	E(lx)	D(m)
1	2528	0.31
2	632	0.63
3	281	0.94
4	158	1.25
5	101	1.57

03.4293.CU.LE

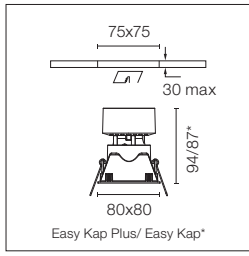


h(m)	E(lx)	D(m)
1	2906	0.30
2	726	0.59
3	323	0.89
4	182	1.18
5	116	1.48

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Medium

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



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Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

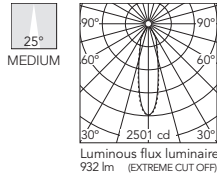
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
 Easy Kap 80 Square
 03.4201.B1
 Easy Kap 80 Plus Square
 05.7439.B1

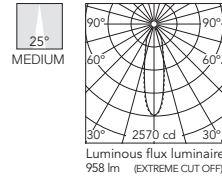


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2501	0.44
2	625	0.88
3	278	1.32
4	156	1.76
5	100	2.20

Luminous flux luminaire 932 lm (EXTREME CUT OFF)

- 3000K**
 Easy Kap 80 Square
 03.4200.B1
 Easy Kap 80 Plus Square
 05.7438.B1

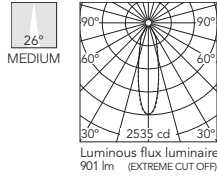


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2570	0.44
2	643	0.88
3	286	1.32
4	161	1.76
5	103	2.20

Luminous flux luminaire 958 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4201.GL
 Easy Kap 80 Plus Square
 05.7439.GL

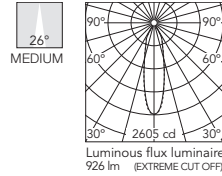


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2535	0.46
2	634	0.91
3	282	1.37
4	158	1.83
5	101	2.28

Luminous flux luminaire 901 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4200.GL
 Easy Kap 80 Plus Square
 05.7438.GL

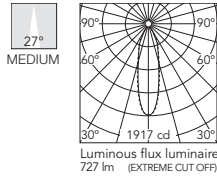


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	2605	0.46
2	651	0.91
3	289	1.37
4	163	1.83
5	104	2.28

Luminous flux luminaire 926 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4201.BU
 Easy Kap 80 Plus Square
 05.7439.BU

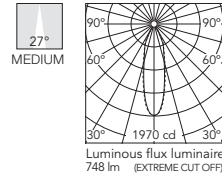


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1917	0.47
2	479	0.94
3	213	1.41
4	120	1.88
5	77	2.36

Luminous flux luminaire 727 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4200.BU
 Easy Kap 80 Plus Square
 05.7438.BU

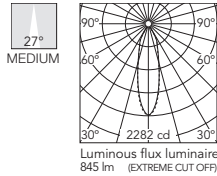


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1970	0.47
2	492	0.94
3	219	1.41
4	123	1.88
5	79	2.36

Luminous flux luminaire 748 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4201.74
 Easy Kap 80 Plus Square
 05.7439.74

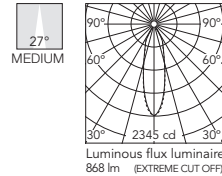


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2282	0.49
2	570	0.97
3	254	1.46
4	143	1.94
5	91	2.43

Luminous flux luminaire 845 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4200.74
 Easy Kap 80 Plus Square
 05.7438.74

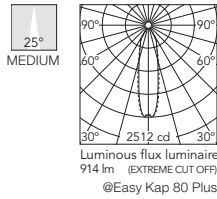


Beam Angle: 27°

h(m)	E(lx)	D(m)
1	2345	0.49
2	586	0.97
3	261	1.46
4	147	1.94
5	94	2.43

Luminous flux luminaire 868 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
 03.4201.CU
 Easy Kap 80 Plus Square
 05.7439.CU

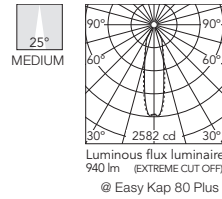


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	2512	0.44
2	628	0.87
3	279	1.31
4	157	1.75
5	100	2.18

Luminous flux luminaire 914 lm (EXTREME CUT OFF)
 @Easy Kap 80 Plus

- Easy Kap 80 Square
 03.4200.CU
 Easy Kap 80 Plus Square
 05.7438.CU



Beam Angle: 25°

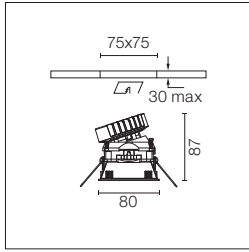
h(m)	E(lx)	D(m)
1	2582	0.44
2	645	0.87
3	287	1.31
4	161	1.75
5	103	2.18

Luminous flux luminaire 940 lm (EXTREME CUT OFF)
 @ Easy Kap 80 Plus

KAP

Easy Kap 80 Square Adjustable - Optic Medium - Dim To Warm

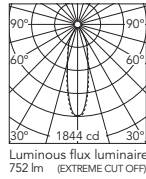
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

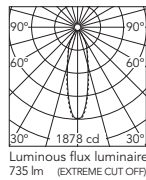
1800K-2850K
03.4200.B1.LE



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1844	0.47
2	461	0.94
3	205	1.41
4	115	1.88
5	74	2.35

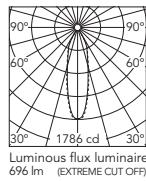
03.4200.GL.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1878	0.47
2	470	0.95
3	209	1.42
4	117	1.89
5	75	2.37

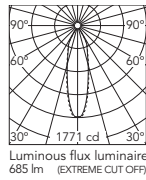
03.4200.BU.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1786	0.47
2	447	0.95
3	198	1.42
4	112	1.89
5	71	2.37

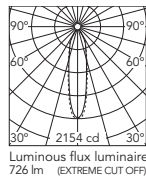
03.4200.74.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1771	0.48
2	443	0.96
3	197	1.44
4	111	1.93
5	71	2.41

03.4200.CU.LE



Beam Angle: 22°

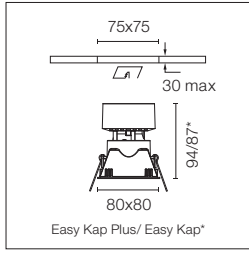
h(m)	E(lx)	D(m)
1	2154	0.40
2	538	0.79
3	239	1.19
4	135	1.59
5	86	1.98

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Adjustable - Optic Flood

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90

Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



-
-
-
-
-

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Diffusing lens included.

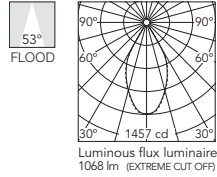
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente difusora incluida.

Recommended power supply / Equipos recomendados*:

	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
Easy Kap 80 Square
- 03.4296.B1
 - Easy Kap 80 Plus Square
 - 05.7445.B1

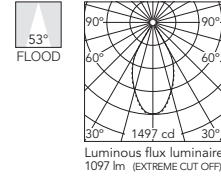


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1457	0.99
2	364	1.98
3	162	2.98
4	91	3.97
5	58	4.96

Luminous flux luminaire 1068 lm (EXTREME CUT OFF)

- 3000K**
Easy Kap 80 Square
- 03.4295.B1
 - Easy Kap 80 Plus Square
 - 05.7444.B1

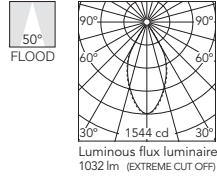


Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1497	0.99
2	374	1.98
3	166	2.98
4	94	3.97
5	60	4.96

Luminous flux luminaire 1097 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4296.GL
 - Easy Kap 80 Plus Square
 - 05.7445.GL

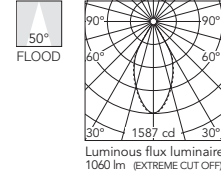


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1544	0.93
2	386	1.86
3	172	2.79
4	96	3.72
5	62	4.65

Luminous flux luminaire 1032 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4295.GL
 - Easy Kap 80 Plus Square
 - 05.7444.GL

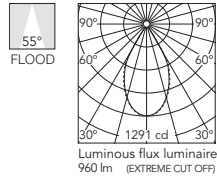


Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1587	0.93
2	397	1.86
3	176	2.79
4	99	3.72
5	63	4.65

Luminous flux luminaire 1060 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4296.BU
 - Easy Kap 80 Plus Square
 - 05.7445.BU

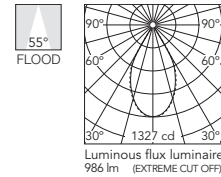


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1291	1.05
2	323	2.09
3	143	3.14
4	81	4.19
5	52	5.23

Luminous flux luminaire 960 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4295.BU
 - Easy Kap 80 Plus Square
 - 05.7444.BU

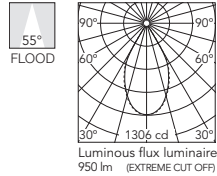


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1327	1.05
2	332	2.09
3	147	3.14
4	83	4.19
5	53	5.23

Luminous flux luminaire 986 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4296.74
 - Easy Kap 80 Plus Square
 - 05.7445.74

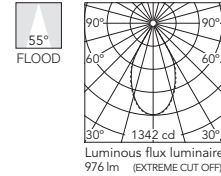


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1306	1.04
2	326	2.08
3	145	3.11
4	82	4.15
5	52	5.19

Luminous flux luminaire 950 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4295.74
 - Easy Kap 80 Plus Square
 - 05.7444.74

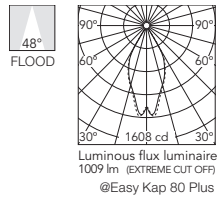


Beam Angle: 55°

h(m)	E(lx)	D(m)
1	1342	1.04
2	335	2.08
3	149	3.11
4	84	4.15
5	54	5.19

Luminous flux luminaire 976 lm (EXTREME CUT OFF)

- Easy Kap 80 Square
- 03.4296.CU
 - Easy Kap 80 Plus Square
 - 05.7445.CU

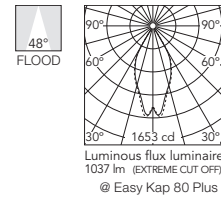


Beam Angle: 48°

h(m)	E(lx)	D(m)
1	1608	0.88
2	402	1.77
3	179	2.65
4	101	3.53
5	64	4.42

Luminous flux luminaire 1009 lm (EXTREME CUT OFF) @ Easy Kap 80 Plus

- Easy Kap 80 Square
- 03.4295.CU
 - Easy Kap 80 Plus Square
 - 05.7444.CU



Beam Angle: 48°

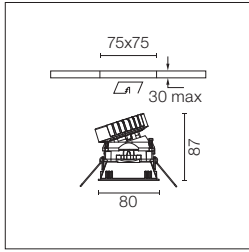
h(m)	E(lx)	D(m)
1	1653	0.88
2	413	1.77
3	184	2.65
4	103	3.53
5	66	4.42

Luminous flux luminaire 1037 lm (EXTREME CUT OFF) @ Easy Kap 80 Plus

KAP

Easy Kap 80 Square Adjustable - Optic Flood - Dim To Warm

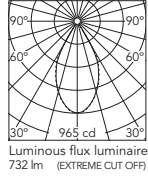
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

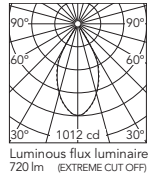
1800K-2850K
03.4295.B1.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	965	1.01
2	241	2.01
3	107	3.02
4	60	4.03
5	39	5.03

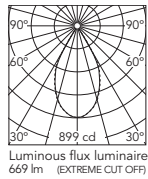
03.4295.GL.LE



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	1012	0.99
2	253	1.98
3	112	2.97
4	63	3.96
5	40	4.95

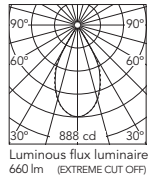
03.4295.BU.LE



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	899	1.04
2	225	2.08
3	100	3.12
4	56	4.16
5	36	5.21

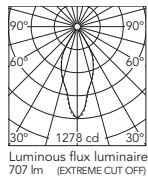
03.4295.74.LE



Beam Angle: 55°

h(m)	E(lx)	D(m)
1	888	1.04
2	222	2.07
3	99	3.11
4	55	4.15
5	36	5.18

03.4295.CU.LE



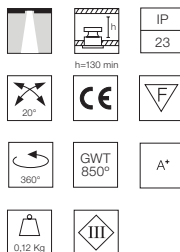
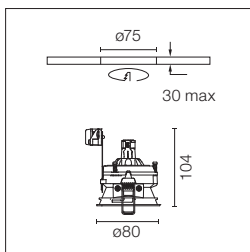
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	1278	0.75
2	319	1.50
3	142	2.25
4	80	3.00
5	51	3.75

KAP

Easy Kap Ø80 Adjustable

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



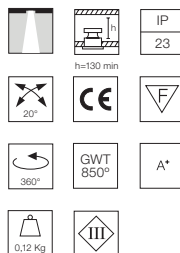
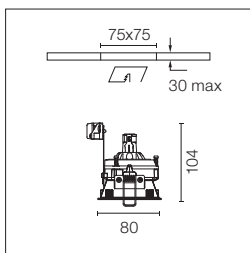
IP 23
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4160.B1
- 03.4160.GL
- 03.4160.BU
- 03.4160.74
- 03.4160.CU

Easy Kap 80 Square Adjustable

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



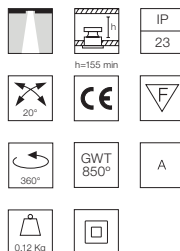
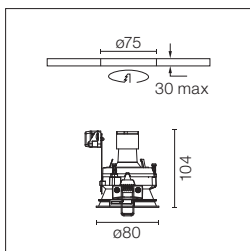
IP 23
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4212.B1
- 03.4212.GL
- 03.4212.BU
- 03.4212.74
- 03.4212.CU

Easy Kap Ø80 Adjustable

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



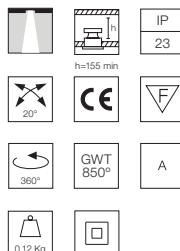
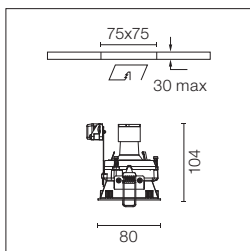
IP 23
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4162.B1
- 03.4162.GL
- 03.4162.BU
- 03.4162.74
- 03.4162.CU

Easy Kap 80 Square Adjustable

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



IP 23
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

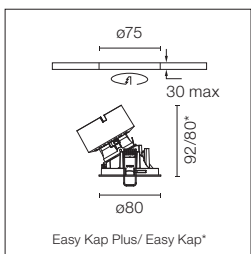
- 03.4213.B1
- 03.4213.GL
- 03.4213.BU
- 03.4213.74
- 03.4213.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

KAP

Easy Kap Ø80/Easy Kap Ø80 Plus - Wall-Washer

Light Source: Easy Kap Ø80: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90
Easy Kap Ø80 Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



0,24 Kg
 h=140 mm
 h=81 mm

Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

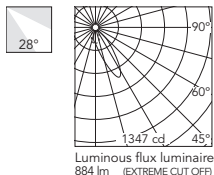
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

Easy Kap Ø80

- 03.4197.B1
- Easy Kap Ø80 Plus
- 05.7435.B1



Beam Angle: 28°

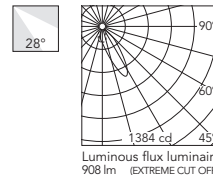
h(m)	E(lx)	D(m)
1	1347	0.62
2	337	1.24
3	150	1.87
4	84	2.49
5	54	3.11

Luminous flux luminaire 884 lm (EXTREME CUT OFF)

3000K

Easy Kap Ø80

- 03.4196.B1
- Easy Kap Ø80 Plus
- 05.7434.B1



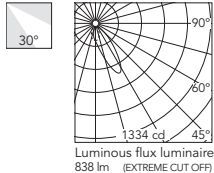
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1384	0.62
2	346	1.24
3	154	1.87
4	86	2.49
5	55	3.11

Luminous flux luminaire 908 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4197.GL
- Easy Kap Ø80 Plus
- 05.7435.GL



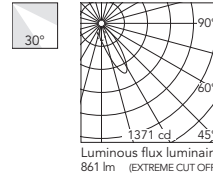
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1334	0.67
2	333	1.33
3	148	2.00
4	83	2.67
5	53	3.33

Luminous flux luminaire 838 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4196.GL
- Easy Kap Ø80 Plus
- 05.7434.GL



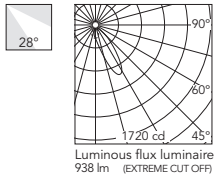
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1371	0.67
2	343	1.33
3	152	2.00
4	86	2.67
5	55	3.33

Luminous flux luminaire 861 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4197.BU
- Easy Kap Ø80 Plus
- 05.7435.BU



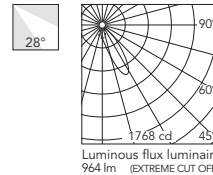
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1720	0.64
2	430	1.28
3	191	1.91
4	108	2.55
5	69	3.19

Luminous flux luminaire 938 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4196.BU
- Easy Kap Ø80 Plus
- 05.7434.BU



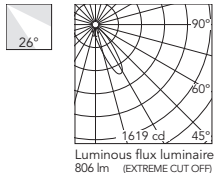
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1768	0.64
2	442	1.28
3	196	1.91
4	110	2.55
5	71	3.19

Luminous flux luminaire 964 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4197.74
- Easy Kap Ø80 Plus
- 05.7435.74



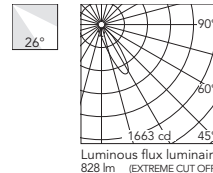
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1619	0.59
2	405	1.19
3	180	1.78
4	101	2.37
5	65	2.97

Luminous flux luminaire 806 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4196.74
- Easy Kap Ø80 Plus
- 05.7434.74



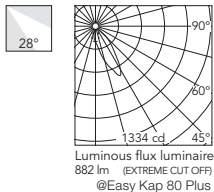
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1663	0.59
2	416	1.19
3	185	1.78
4	104	2.37
5	67	2.97

Luminous flux luminaire 828 lm (EXTREME CUT OFF)

Easy Kap Ø80

- 03.4197.CU
- Easy Kap Ø80 Plus
- 05.7435.CU



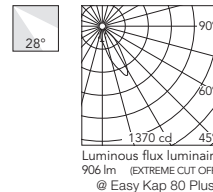
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1334	0.64
2	333	1.27
3	148	1.91
4	83	2.55
5	53	3.19

Luminous flux luminaire 882 lm (EXTREME CUT OFF)
 @Easy Kap 80 Plus

Easy Kap Ø80

- 03.4196.CU
- Easy Kap Ø80 Plus
- 05.7434.CU



Beam Angle: 28°

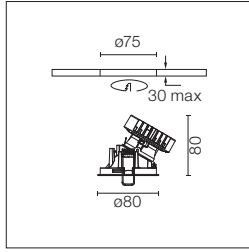
h(m)	E(lx)	D(m)
1	1370	0.64
2	343	1.27
3	152	1.91
4	86	2.55
5	55	3.19

Luminous flux luminaire 906 lm (EXTREME CUT OFF)
 @ Easy Kap 80 Plus

KAP

Easy Kap Ø80 Wall-Washer - Dim To Warm

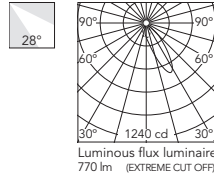
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

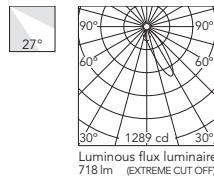
Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

1800K-2850K
03.4196.B1.LE



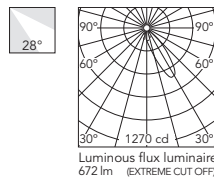
h(m)	E(lx)	D(m)
1	1240	0.64
2	310	1.29
3	138	1.93
4	78	2.58
5	50	3.22

03.4196.GL.LE



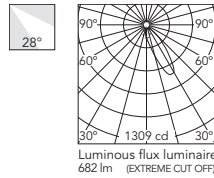
h(m)	E(lx)	D(m)
1	1289	0.63
2	322	1.25
3	143	1.88
4	81	2.50
5	52	3.13

03.4196.BU.LE



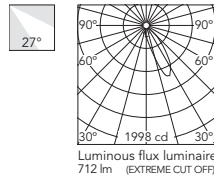
h(m)	E(lx)	D(m)
1	1270	0.65
2	317	1.30
3	141	1.96
4	79	2.61
5	51	3.26

03.4196.74.LE



h(m)	E(lx)	D(m)
1	1309	0.64
2	327	1.28
3	145	1.92
4	82	2.56
5	52	3.20

03.4196.CU.LE



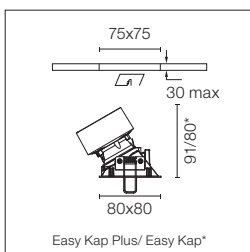
h(m)	E(lx)	D(m)
1	1998	0.60
2	500	1.20
3	222	1.80
4	125	2.40
5	80	3.00

KAP

Easy Kap 80 Square/Easy Kap 80 Square Plus - Wall-Washer

Light Source: Easy Kap 80 Square: LED Array DC 500 mA - 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90

Easy Kap 80 Square Plus: LED Array DC 700 mA - 13W - 1370 lm - 2700K/CRI 90 / 13W - 1460 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. Installation frame not necessary. Elliptical lens included.

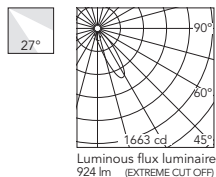
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Marco de instalación no necesario. Lente elíptica incluida.

Recommended power supply / Equipos recomendados*:

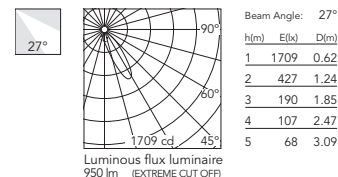
	Easy Kap Ø80	Easy Kap Ø80 Plus
Non Dimmable	60.9160	60.9592
Dimmable 0/1-10V	60.9188	60.9188
Dimmable Dali 1	60.8847	60.8847
Dimmable Dali 2	60.9222	60.9222
Mains Dimming	60.9411	60.9467
Casambi	60.9207	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

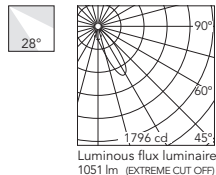
- 2700K**
Easy Kap Ø80
- 03.4199.B1
 - Easy Kap Ø80 Plus
 - 05.7437.B1



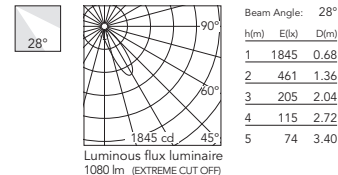
- 3000K**
Easy Kap Ø80
- 03.4198.B1
 - Easy Kap Ø80 Plus
 - 05.7436.B1



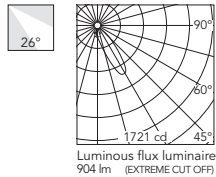
- Easy Kap Ø80
- 03.4199.GL
 - Easy Kap Ø80 Plus
 - 05.7437.GL



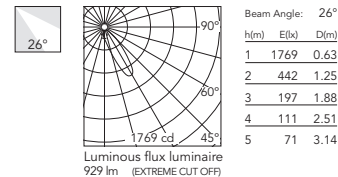
- Easy Kap Ø80
- 03.4198.GL
 - Easy Kap Ø80 Plus
 - 05.7436.GL



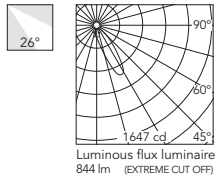
- Easy Kap Ø80
- 03.4199.BU
 - Easy Kap Ø80 Plus
 - 05.7437.BU



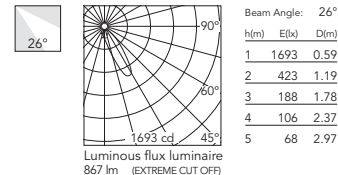
- Easy Kap Ø80
- 03.4198.BU
 - Easy Kap Ø80 Plus
 - 05.7436.BU



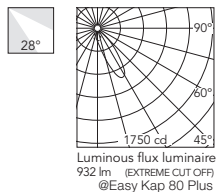
- Easy Kap Ø80
- 03.4199.74
 - Easy Kap Ø80 Plus
 - 05.7437.74



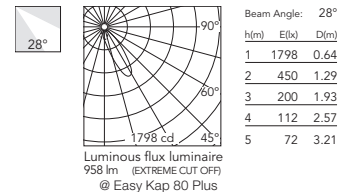
- Easy Kap Ø80
- 03.4198.74
 - Easy Kap Ø80 Plus
 - 05.7436.74



- Easy Kap Ø80
- 03.4199.CU
 - Easy Kap Ø80 Plus
 - 05.7437.CU

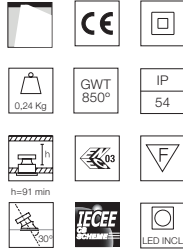
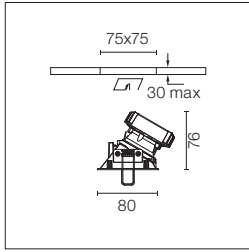


- Easy Kap Ø80
- 03.4198.CU
 - Easy Kap Ø80 Plus
 - 05.7436.CU



Easy Kap 80 Square Wall-Washer - Dim To Warm

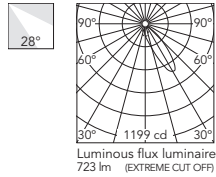
Light Source: LED Array 13W - 1800K - 2850K/CRI 95 - Dim To Warm



Recessed luminaire with LED light source. 220-240V & dimmable 1-10V power supply included. For 110V PSU versions, please consult with the front office. Installation frame not necessary. Diffusing lens included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación 220-240V y dimable 1-10V incluida. Para versiones con equipos 110V preguntar al Front office. Marco de instalación no necesario. Lente difusora incluida.

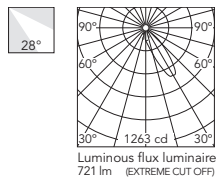
1800K-2850K
03.4198.B1.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1199	0.68
2	300	1.37
3	133	2.05
4	75	2.74
5	48	3.42

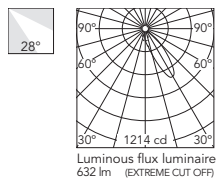
03.4198.GL.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1263	0.69
2	316	1.38
3	140	2.07
4	79	2.75
5	51	3.44

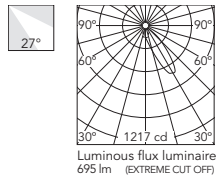
03.4198.BU.LE



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1214	0.68
2	304	1.35
3	135	2.03
4	76	2.71
5	49	3.39

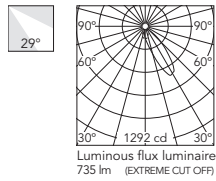
03.4198.74.LE



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	1217	0.66
2	304	1.33
3	135	1.99
4	76	2.66
5	49	3.32

03.4198.CU.LE



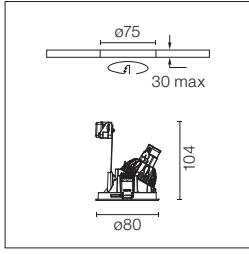
Beam Angle: 29°

h(m)	E(lx)	D(m)
1	1292	0.70
2	323	1.40
3	144	2.10
4	81	2.80
5	52	3.50

KAP

Easy Kap Ø80 Wall-Washer

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



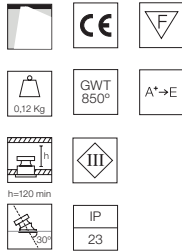
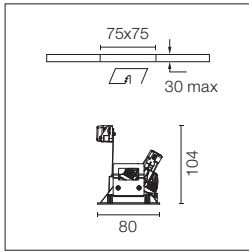
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4220.B1
- 03.4220.GL
- 03.4220.BU
- 03.4220.74
- 03.4220.CU

Easy Kap 80 Square Wall-Washer

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



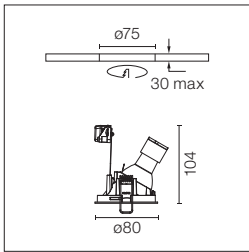
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4218.B1
- 03.4218.GL
- 03.4218.BU
- 03.4218.74
- 03.4218.CU

Easy Kap Ø80 Wall-Washer

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



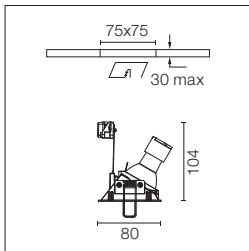
Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4221.B1
- 03.4221.GL
- 03.4221.BU
- 03.4221.74
- 03.4221.CU

Easy Kap 80 Square Wall-Washer

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



Recessed luminaire with main voltage source. Installation frame not necessary.
Not suitable for lens accessories.

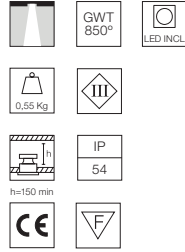
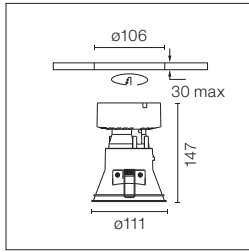
Luminaria empotrable con alimentación directa a red. Marco de instalación no necesario. Accesorios de lentes no disponibles.

- 03.4219.B1
- 03.4219.GL
- 03.4219.BU
- 03.4219.74
- 03.4219.CU

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

Easy Kap Ø105 Fixed - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



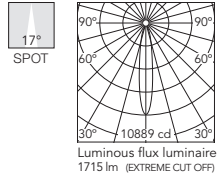
Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

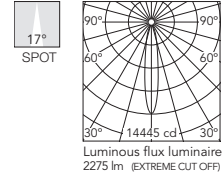
Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

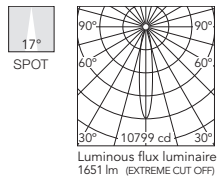
2700K
 05.7000.B1



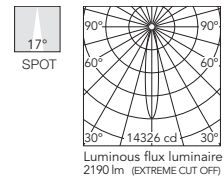
3000K
 05.7005.B1



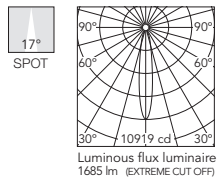
05.7000.GL



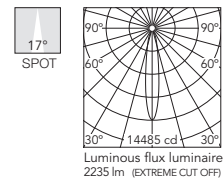
05.7005.GL



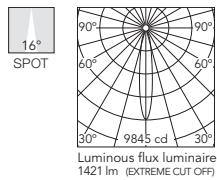
05.7000.BU



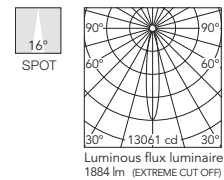
05.7005.BU



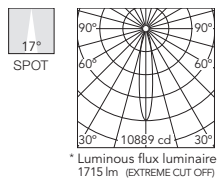
05.7000.74



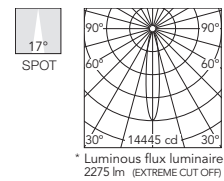
05.7005.74



05.7000.CU



05.7005.CU

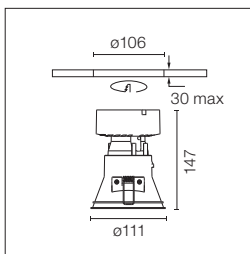


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Easy Kap Ø105 Fixed - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- GWT 850°
- 0,55 Kg
- LED INCL
- III
- IP 54
- CE
- F

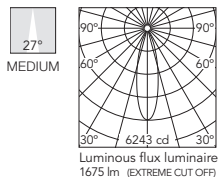
Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

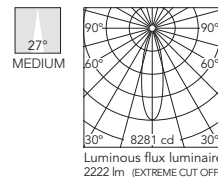
2700K
 05.7001.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

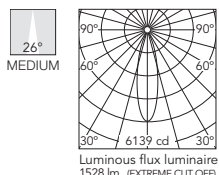
3000K
 05.7006.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

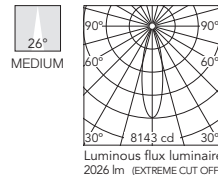
05.7001.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

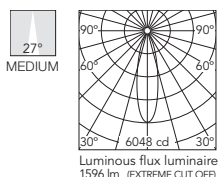
05.7006.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

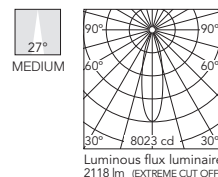
05.7001.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

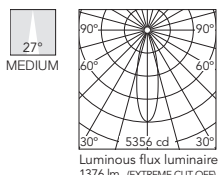
05.7006.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

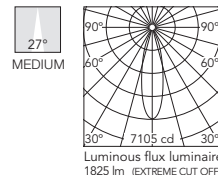
05.7001.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	5356	0.48
2	1339	0.96
3	595	1.44
4	335	1.92
5	214	2.40

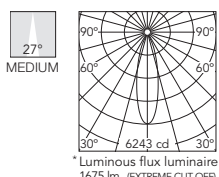
05.7006.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	7105	0.48
2	1776	0.96
3	789	1.44
4	444	1.92
5	284	2.40

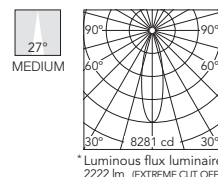
05.7001.CU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

05.7006.CU



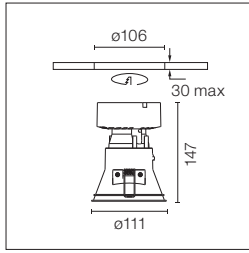
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Easy Kap Ø105 Fixed - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



GWT 850°
 LED INCL
 0.55 Kg
 III
 IP 54
 CE
 F
 h=150 mm

Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

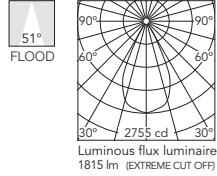
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

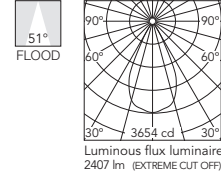
2700K
05.7002.B1



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

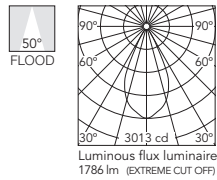
3000K
05.7007.B1



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

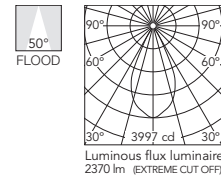
05.7002.GL



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3013	0.93
2	753	1.86
3	335	2.79
4	188	3.72
5	121	4.65

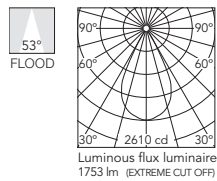
05.7007.GL



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	3997	0.93
2	999	1.86
3	444	2.79
4	250	3.72
5	160	4.65

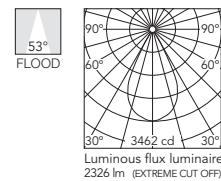
05.7002.BU



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	2610	1.01
2	652	2.01
3	290	3.02
4	163	4.03
5	104	5.04

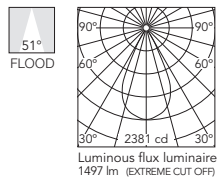
05.7007.BU



Beam Angle: 53°

h(m)	E(lx)	D(m)
1	3462	1.01
2	866	2.01
3	385	3.02
4	216	4.03
5	138	5.04

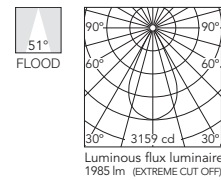
05.7002.74



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2381	0.95
2	595	1.91
3	265	2.86
4	149	3.82
5	95	4.77

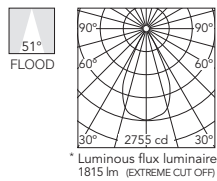
05.7007.74



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	3159	0.95
2	790	1.91
3	351	2.86
4	197	3.82
5	126	4.77

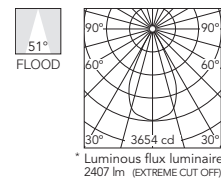
05.7002.CU



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2755	0.96
2	689	1.91
3	306	2.87
4	172	3.82
5	110	4.78

05.7007.CU



Beam Angle: 51°

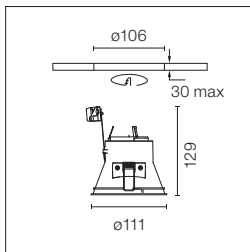
h(m)	E(lx)	D(m)
1	3654	0.96
2	914	1.91
3	406	2.87
4	228	3.82
5	146	4.78

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Easy Kap Ø105 Fixed

Light Source: LED QR-CBC 51 GX5.3



	GWT 850°	A*→E
	0,23 Kg	
	IP 54	
	h=134 min	

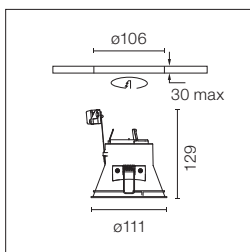
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7030.B1
- 05.7030.GL
- 05.7030.BU
- 05.7030.74
- 05.7030.CU

Easy Kap Ø105 Fixed

Light Source: LED PAR 16 GZ10



	GWT 850°	A D→E
	0,23 Kg	
	IP 54	
	h=155 min	

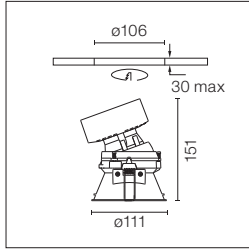
Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7031.B1
- 05.7031.GL
- 05.7031.BU
- 05.7031.74
- 05.7031.CU

Easy Kap Ø105 Adjustable - Optic Spot

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



		IP 54

Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

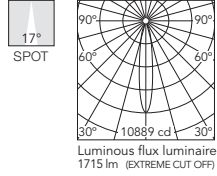
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

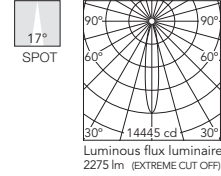
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

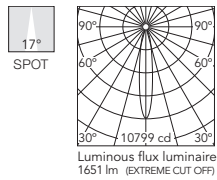
2700K
05.7010.B1



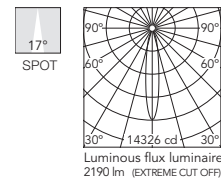
3000K
05.7015.B1



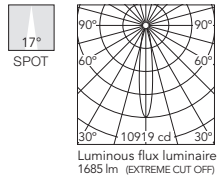
05.7010.GL



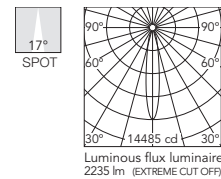
05.7015.GL



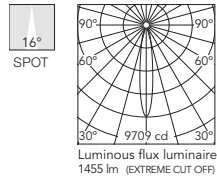
05.7010.BU



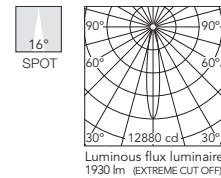
05.7015.BU



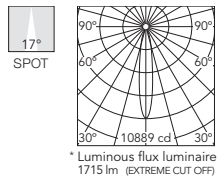
05.7010.74



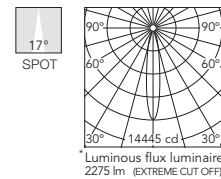
05.7015.74



05.7010.CU



05.7015.CU

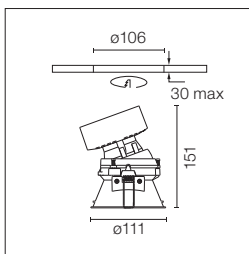


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Easy Kap Ø105 Adjustable - Optic Medium

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



- IP 54
- h=161 min
- 20°
- CE
- F
- 360°
- GWT 850°
- LED INCL
- 0,77 Kg
- III

Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

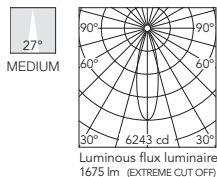
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

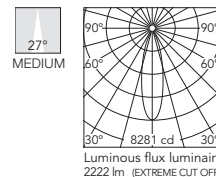
2700K
05.7011.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

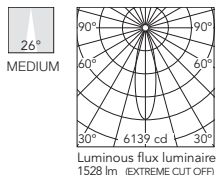
3000K
05.7016.B1



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

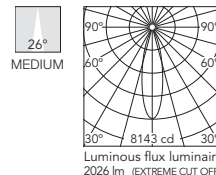
05.7011.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	6139	0.46
2	1535	0.93
3	682	1.39
4	384	1.86
5	246	2.32

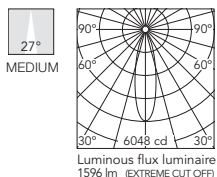
05.7016.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	8143	0.46
2	2036	0.93
3	905	1.39
4	509	1.86
5	326	2.32

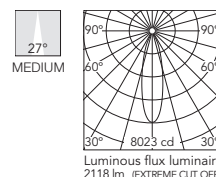
05.7011.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6048	0.47
2	1512	0.94
3	672	1.41
4	378	1.89
5	242	2.36

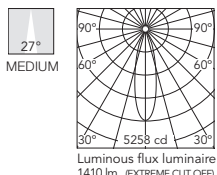
05.7016.BU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8023	0.47
2	2006	0.94
3	891	1.41
4	501	1.89
5	321	2.36

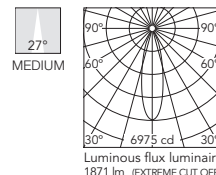
05.7011.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	5258	0.48
2	1314	0.96
3	584	1.44
4	329	1.92
5	210	2.40

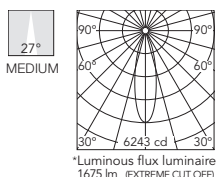
05.7016.74



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6975	0.48
2	1744	0.96
3	775	1.44
4	436	1.92
5	279	2.40

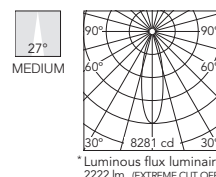
05.7011.CU



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	6243	0.48
2	1561	0.97
3	694	1.45
4	390	1.93
5	250	2.41

05.7016.CU



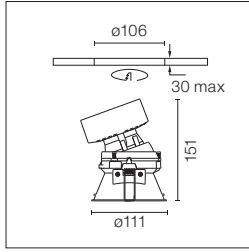
Beam Angle: 27°

h(m)	E(lx)	D(m)
1	8281	0.48
2	2070	0.97
3	920	1.45
4	518	1.93
5	331	2.41

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Easy Kap Ø105 Adjustable - Optic Flood

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



IP 54

h=181 mm

20°

CE

360°

GWT 850°

LED INCL

0,77 Kg

III

Recessed luminaire with LED light source. Remote transformer not included. Installation frame not necessary.

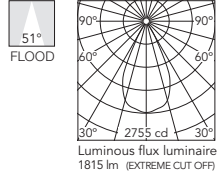
Luminaria empotrable para fuente de luz LED. Transformador remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:

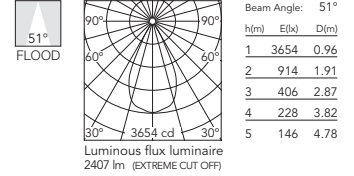
Non Dimmable	60.9592
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

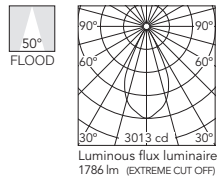
2700K
05.7012.B1



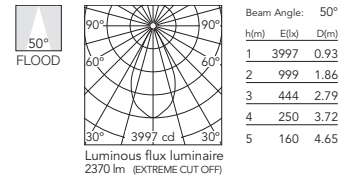
3000K
05.7017.B1



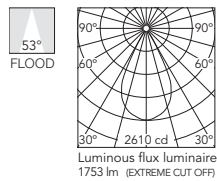
05.7012.GL



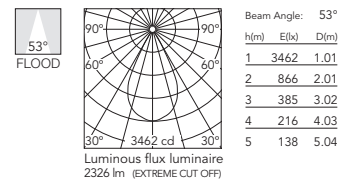
05.7017.GL



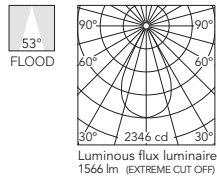
05.7012.BU



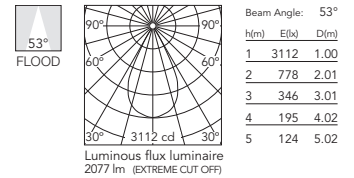
05.7017.BU



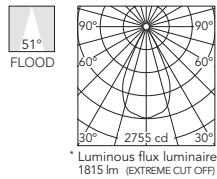
05.7012.T4



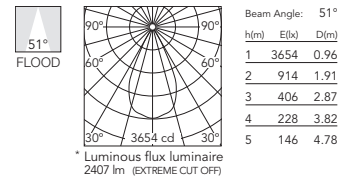
05.7017.T4



05.7012.CU



05.7017.CU

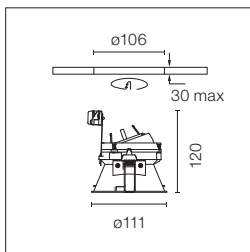


* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Easy Kap Ø105 Adjustable

Light Source: LED QR-CBC 51 GX5.3



		IP 54

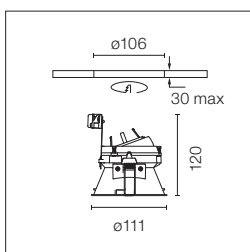
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7035.B1
- 05.7035.GL
- 05.7035.BU
- 05.7035.74
- 05.7035.CU

Easy Kap Ø105 Adjustable

Light Source: LED PAR 16 GZ10



		IP 54

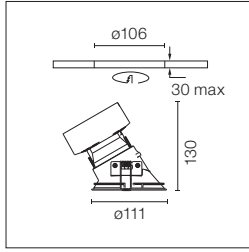
Recessed luminaire with main voltage source.
Marco de instalación no necesario.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7036.B1
- 05.7036.GL
- 05.7036.BU
- 05.7036.74
- 05.7036.CU

Easy Kap Ø105 Wall-Washer

Light Source: LED Array DC 650 mA - 23W - 2690 lm - 2700K/CRI 90 / 23W - 2870 lm - 3000K/CRI 90



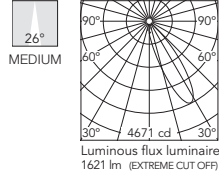
Recessed luminaire with LED light source. Remote electronic transformer 220/240V not included. Installation frame not necessary.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto no incluido. Marco de instalación no necesario.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592
 Dimmable 1-10V 60.9188
 Dimmable Dali 60.8847
 Casambi 60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

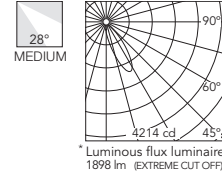
2700K
 05.7020.B1



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4671	0.58
2	1168	1.15
3	519	1.73
4	292	2.31
5	187	2.89

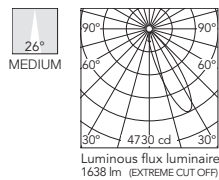
3000K
 05.7021.B1



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

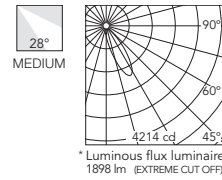
05.7020.GL



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

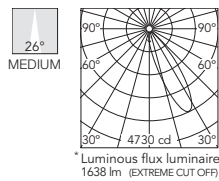
05.7021.GL



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

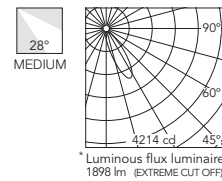
05.7020.BU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

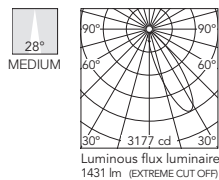
05.7021.BU



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

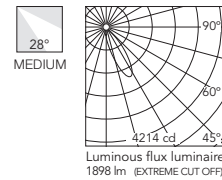
05.7020.74



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	3177	0.63
2	794	1.26
3	353	1.89
4	199	2.52
5	127	3.16

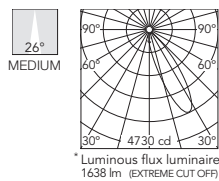
05.7021.74



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

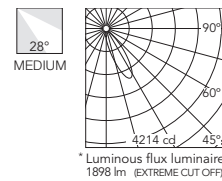
05.7020.CU



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	4730	0.58
2	1183	1.15
3	526	1.73
4	296	2.31
5	189	2.89

05.7021.CU



Beam Angle: 28°

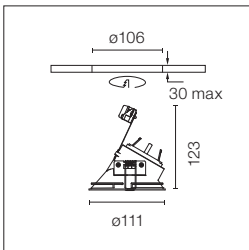
h(m)	E(lx)	D(m)
1	4214	0.63
2	1054	1.26
3	468	1.89
4	263	2.52
5	169	3.16

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

KAP

Easy Kap Ø105 Wall-Washer

Light Source: LED QR-CBC 51 GX5.3



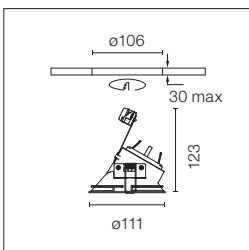
Recessed 12V lamp luminaire.
Remote transformer not included.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable para lámpara de 12V. Transformador remoto no incluido.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7040.B1
- 05.7040.GL
- 05.7040.BU
- 05.7040.74
- 05.7040.CU

Easy Kap Ø105 Wall-Washer

Light Source: LED PAR 16 GZ10














Recessed luminaire with main voltage source.
Installation frame not necessary.
Not suitable for lens accessories.

Luminaria empotrable con alimentación directa a red.
Marco de instalación no necesario.
Accesorios de lentes no disponibles.

- 05.7041.B1
- 05.7041.GL
- 05.7041.BU
- 05.7041.74
- 05.7041.CU


KAP

Accessories / Accesorios

Installation frame No Trim. Kap ø50.	Marco de instalación No Trim. Kap ø50.		<input type="checkbox"/> Kap ø50 Round 08.9114.00
Installation frame No Trim. Kap ø80 / ø80 Plus	Marco de instalación No Trim. Kap ø80 / ø80 Plus.		<input type="checkbox"/> Kap ø80 Round 08.9102.00
Installation frame No Trim. Kap □80 / □80 Plus.	Marco de instalación No Trim. Kap □80 / □80 Plus.		<input type="checkbox"/> Kap 80 Square 08.9103.00
Installation frame No Trim. Kap ø105 Deep.	Marco de instalación No Trim. Kap ø105 Deep.		<input type="checkbox"/> Kap ø105 Deep 08.9104.00
Installation frame No Trim. Kap ø105.	Marco de instalación No Trim. Kap ø105.		<input type="checkbox"/> Kap ø105 08.0132.00
Installation frame No Trim. Kap ø105/□105.	Marco de instalación No Trim. Kap ø105/□105.		<input type="checkbox"/> Kap 105 Square 08.8479.00
Installation frame No Trim. Kap ø145/ø145 Wall-Washer.	Marco de instalación No Trim. Kap ø145/ø145 Wall-Washer.	 ø165 	<input type="checkbox"/> Kap ø145 08.8156.00 <input type="checkbox"/> Kap ø145 W-W 08.8251.00
Installation frame Trim. Kap ø145/ø145 Wall-Washer.	Marco de instalación Trim. Kap ø145/ø145 Wall-Washer.	 ø155 	<input type="checkbox"/> Kap ø145 W-W 08.8491.30 <input type="checkbox"/> 08.8491.GL <input type="checkbox"/> 08.8491.BU <input type="checkbox"/> 08.8491.14
Installation can for concrete. Kap ø105 Deep/ø145.	Can de instalación para hormigón. Kap ø105 Deep/ø145.		<input type="checkbox"/> Kap ø105 Deep 08.8420.00 <input type="checkbox"/> Kap ø145 08.8421.00

BON JOUR

DESIGNED BY PHILIPPE STARCK

BON JOUR Ø 45	BON JOUR Ø 90	BON JOUR Ø 145
		
LIGHT SOURCE POWER LED 6W 575 lm 2700K/CRI 90 615 lm 3000K/CRI 90	LIGHT SOURCE LED ARRAY 13,5W 1500 lm 2700K/CRI 90 1600 lm 3000K/CRI 90	LIGHT SOURCE LED ARRAY 27W 2600 lm 2700K/CRI 90 2720 lm 3000K/CRI 90

01 White
01 Blanco

CU Copper
CU Cobre

14 Black
14 Negro



Description

LED luminaire for recessed mounting on plasterboard ceilings.
Once installed, the luminaire edge sticks out of the ceiling 10 mm creating a unique and very refined aesthetic effect. The luminaire's body is injected with aluminium. It is available in three sizes: Ø45 mm, Ø90 mm and Ø145 mm. Reflector made of anodized gloss aluminium with diffuser element made of polycarbonate.

Power Supply

Cabling included, ready to be powered by included remote driver.
Dali dimmable version available.
Versions without driver and 110V driver available on request.

Accessories

- Installation frame made from thermoplastic material for installation in suspended ceilings required for the Ø90 mm and Ø145 mm versions (not necessary for Ø45 mm version).
- Honeycomb and cross screening cylinder (included for Ø45 mm version).
- Screening accessories available for the Ø145 version, with the same finishes as the decorative Bon Jour luminaire. See the Flos "The Home Collection" catalogue for more information.

Additional Information

IP44 protection grade.
Insulation class II.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria LED para ser instalada en falso techo. Una vez instalado, el borde de la luminaria sobresale del techo 10 mm creando un efecto estético único y refinado. Cuerpo de la luminaria realizado en aluminio inyectado. Disponible en tres tamaños: Ø45 mm, Ø90 mm y Ø145 mm. Reflector de aluminio anodizado brillante con elemento difusor realizado en policarbonato.

Unidades de Alimentación

Cableado incluido, disponible para conectar a equipo remoto.
Versión Dali dimmable disponible.
Versiones sin equipo y con equipo 110V disponibles bajo pedido.

Accesorios

- Marco de instalación realizado en material termoplástico para su instalación en falso techo, necesario para las versiones Ø90 mm y Ø145 mm (no es necesario para la versión de Ø45 mm).
- Accesorios honeycomb y cruceta de apantallamiento (incluidos en la versión de Ø45 mm).
- Accesorios de apantallamiento disponibles para la versión Ø145, con los mismos acabados que la luminaria Bon Jour decorativa. Ver el catálogo Flos "The Home Collection" para más detalles.

Información Adicional

Índice de protección IP44.
Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ø45

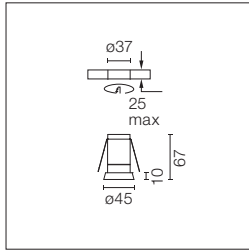


Ø90 / Ø145

BON JOUR

Bon Jour Ø45

Light Source: Power LED DC 500 mA - 6W - 575 lm - 2700K/CRI 90 / 6W - 615 lm - 3000K/CRI 90



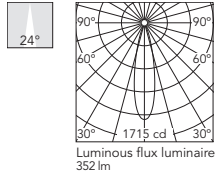
Recessed luminaire with LED light source. Remote 220/240V power supply included. It is necessary to anticipate a space for accessing the driver.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida. Necesario acceso al driver por registro.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

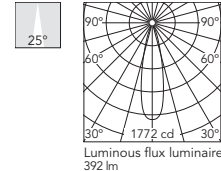
- 2700K**
Non Dimmable
 03.2001.01
Dali Version
 03.2001.01.DA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1715	0.42
2	429	0.84
3	191	1.27
4	107	1.69
5	69	2.11

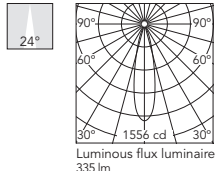
- 3000K**
Non Dimmable
 03.2006.01
Dali Version
 03.2006.01.DA



Beam Angle: 25°

h(m)	E(lx)	D(m)
1	1772	0.45
2	443	0.89
3	197	1.34
4	111	1.79
5	71	2.23

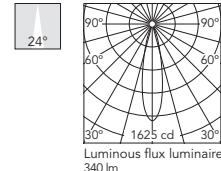
- 2700K**
Non Dimmable
 03.2001.CU
Dali Version
 03.2001.CU.DA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1556	0.43
2	389	0.85
3	173	1.28
4	97	1.71
5	62	2.14

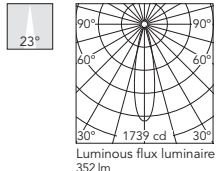
- 3000K**
Non Dimmable
 03.2006.CU
Dali Version
 03.2006.CU.DA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1625	0.42
2	406	0.83
3	181	1.25
4	102	1.67
5	65	2.09

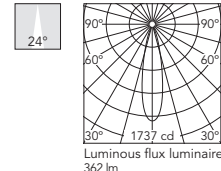
- 2700K**
Non Dimmable
 03.2001.14
Dali Version
 03.2001.14.DA



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	1739	0.41
2	435	0.83
3	193	1.24
4	109	1.66
5	70	2.07

- 3000K**
Non Dimmable
 03.2006.14
Dali Version
 03.2006.14.DA

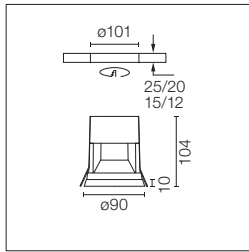


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	1737	0.42
2	434	0.84
3	193	1.26
4	109	1.68
5	69	2.10

Bon Jour Ø90

Light Source: LED Array DC 500 mA - 13,5W - 1500 lm - 2700K/CRI 90 / 13,5W - 1600 lm - 3000K/CRI 90



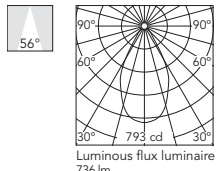
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

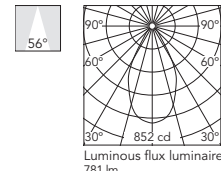
- 2700K**
Non Dimmable
 03.2003.01
Dali Version
 03.2003.01.DA



Beam Angle: 56°

h(m)	E(lx)	D(m)
1	793	1.07
2	198	2.14
3	88	3.21
4	50	4.28
5	32	5.35

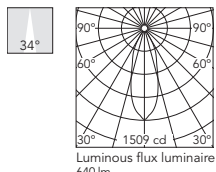
- 3000K**
Non Dimmable
 03.2007.01
Dali Version
 03.2007.01.DA



Beam Angle: 56°

h(m)	E(lx)	D(m)
1	852	1.06
2	213	2.13
3	95	3.19
4	53	4.25
5	34	5.32

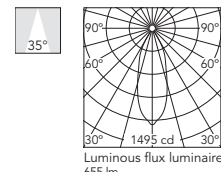
- 2700K**
Non Dimmable
 03.2003.CU
Dali Version
 03.2003.CU.DA



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	1509	0.60
2	377	1.21
3	168	1.81
4	94	2.42
5	60	3.02

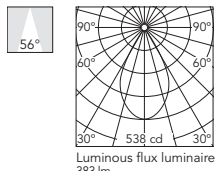
- 3000K**
Non Dimmable
 03.2007.CU
Dali Version
 03.2007.CU.DA



Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1495	0.63
2	374	1.26
3	166	1.89
4	93	2.52
5	60	3.14

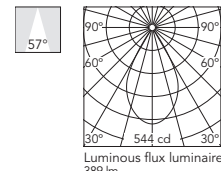
- 2700K**
Non Dimmable
 03.2003.14
Dali Version
 03.2003.14.DA



Beam Angle: 56°

h(m)	E(lx)	D(m)
1	538	1.07
2	135	2.15
3	60	3.22
4	34	4.29
5	22	5.37

- 3000K**
Non Dimmable
 03.2007.14
Dali Version
 03.2007.14.DA



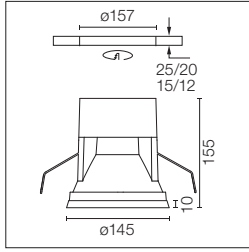
Beam Angle: 57°

h(m)	E(lx)	D(m)
1	544	1.08
2	136	2.15
3	60	3.23
4	34	4.30
5	22	5.38

BON JOUR

Bon Jour Ø145

Light Source: LED Array DC 900 mA - 27W - 2600 lm - 2700K/CRI 90 / 27W - 2720 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

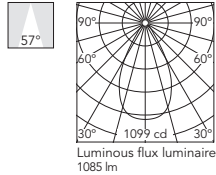
Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

2700K

Non Dimmable

- 03.2005.01
- Dali Version
- 03.2005.01.DA



Beam Angle: 57°

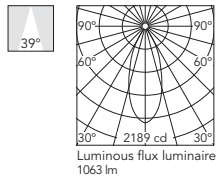
h(m)	E(lx)	D(m)
1	1099	1.10
2	275	2.19
3	122	3.29
4	69	4.38
5	44	5.48

Luminous flux luminaire 1085 lm

2700K

Non Dimmable

- 03.2005.CU
- Dali Version
- 03.2005.CU.DA



Beam Angle: 39°

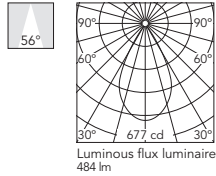
h(m)	E(lx)	D(m)
1	2189	0.71
2	547	1.42
3	243	2.13
4	137	2.83
5	88	3.54

Luminous flux luminaire 1063 lm

2700K

Non Dimmable

- 03.2005.14
- Dali Version
- 03.2005.14.DA



Beam Angle: 56°

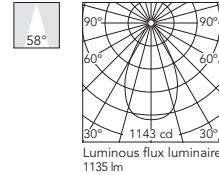
h(m)	E(lx)	D(m)
1	677	1.05
2	169	2.11
3	75	3.16
4	42	4.21
5	27	5.27

Luminous flux luminaire 484 lm

3000K

Non Dimmable

- 03.2008.01
- Dali Version
- 03.2008.01.DA



Beam Angle: 58°

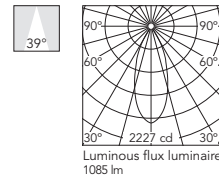
h(m)	E(lx)	D(m)
1	1143	1.10
2	286	2.20
3	127	3.31
4	71	4.41
5	46	5.51

Luminous flux luminaire 1135 lm

3000K

Non Dimmable

- 03.2008.CU
- Dali Version
- 03.2008.CU.DA



Beam Angle: 39°

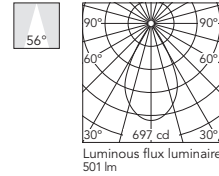
h(m)	E(lx)	D(m)
1	2227	0.71
2	557	1.42
3	247	2.13
4	139	2.84
5	89	3.55

Luminous flux luminaire 1085 lm

3000K

Non Dimmable

- 03.2008.14
- Dali Version
- 03.2008.14.DA



Beam Angle: 56°

h(m)	E(lx)	D(m)
1	697	1.06
2	174	2.11
3	77	3.17
4	44	4.23
5	28	5.28

Luminous flux luminaire 501 lm

BON JOUR

Accessories / Accesorios

Bon Jour Ø90

Pre-installation frame. 08.8974.00



Marco de pre-instalación.

Honeycomb and screening crosspiece. 08.8976.14



Honeycomb y cruceta de apantallamiento.



Bon Jour Ø145

Pre-installation frame. 08.8975.00



Marco de pre-instalación.

Honeycomb and screening crosspiece. 08.8980.14



Honeycomb y cruceta de apantallamiento.



Decorative screening accessory. 08.8977.00



Accesorio decorativo de apantallamiento. 08.8978.00



08.8979.00



LIGHT SHOOTER

DESIGNED BY FLOS ARCHITECTURAL

FIXED
TRIM / NO TRIM



ADJUSTABLE
TRIM / NO TRIM



WALL-WASHER
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
10W
850 lm
2700K/CRI 90
910 lm
3000K/CRI 90

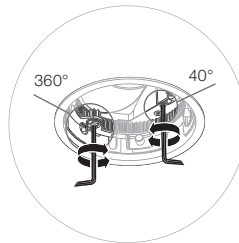
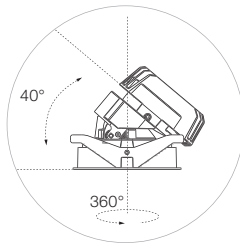
LIGHT SOURCE
HIGH
POWER LED
11W
910 lm
2700K/CRI 90
1060 lm
3000K/CRI 90

□ 40 White
40 Blanco

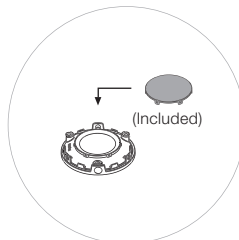
■ 14 Black
14 Negro



Can be rotated 360° and swivelled 40°
Puede ser rotado 360° y orientado 40°.



IP54



LIGHT SHOOTER

Description

High performance LED and LED dichroic recessed luminaires. Combines the latest LED technology and a very efficient conical system designed to combine high performance with excellent glare protection. Available in wattages up to 11W in LED. Available for Trim and No Trim installations and fixed, adjustable and Wall-Washer versions.

The adjustable version has an integrated goniometer to achieve the desired beam and its easy-to-use precision mechanism makes it easy to handle and quick to install. Its Torx block mechanism ensures the desired beam angle. The fixed and adjustable LED versions are available with enclosed and open optics (spot and flood). To ensure complete coherency in the same installation, the Wall-Washer version is available with the same LED options as the fixed and adjustable versions.

Reflectors

The fixed and adjustable LED versions are available with enclosed and open optics (spot and flood).

Power Supply

Cabling included, ready to be powered by included remote driver.

Versions without driver and 1-10V dimmable available on request.

Accessories

LED:

All the models include an accessory for IP54.

- Elliptical distribution lens.
- Honeycomb.

Additional Information

In the adjustable versions, 40° tilting and 360° rotation. IP44 protection grade. Insulation class II.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias empotradas tipo LED y dichroicas LED de altas prestaciones. Combinan la última tecnología LED con un sistema cónico muy eficiente diseñado para combinar un alto rendimiento y gran protección contra el deslumbramiento.

Disponibles en potencias de hasta 11W en LED. Disponible para instalaciones Trim y No Trim y versiones fija, ajustable y Wall-Washer.

La versión ajustable lleva integrado un goniómetro que ayuda a conseguir el haz de luz deseado con un mecanismo preciso de fácil utilización que facilita su manipulación y ahorra tiempos en instalación. Su mecanismo de bloqueo torx asegura el ángulo de haz de luz deseado.

Las versiones fija y ajustable LED están disponibles con ópticas cerradas y abiertas (spot y flood).

Para garantizar una perfecta coherencia en una misma instalación también está disponible la versión Wall-Washer con las mismas alternativas de LED que las versiones fija y ajustable.

Reflectores

Las versiones fija y ajustable LED están disponibles con ópticas cerradas y abiertas (spot y flood).

Unidades de Alimentación

Cableado incluido, disponible para conectar a equipo remoto. Versiones sin equipo y regulable 1-10V disponibles bajo petición.

Accesorios

LED:

Todos los modelos llevan incorporado accesorio para hacerlo IP54.

- Lente de distribución elíptica.
- Honeycomb.

Información Adicional

En las versiones ajustables, basculación de 40° y rotación de 360°.

Índice de protección IP44.

Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Trim

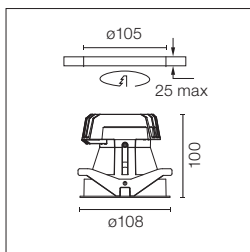


No Trim

LIGHT SHOOTER

Light Shooter Fixed Trim

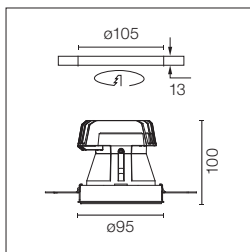
Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter Fixed No Trim



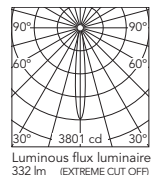
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6509.40A
- 03.6509.14A
- Dali Version/1-10V
- 03.6509.40ADA
- 03.6509.14ADA

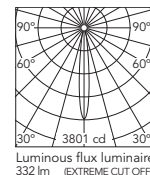


Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	3801	0.22	
2	950	0.43	
3	422	0.65	
4	238	0.86	
5	152	1.08	

3000K - Trim

Non Dimmable

- 03.6506.40A
- 03.6506.14A
- Dali Version/1-10V
- 03.6506.40ADA
- 03.6506.14ADA



Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	3801	0.22	
2	950	0.43	
3	422	0.65	
4	238	0.86	
5	152	1.08	

2700K - No Trim

Non Dimmable

- 03.6529.40A
- 03.6529.14A
- Dali Version/1-10V
- 03.6529.40ADA
- 03.6529.14ADA

3000K - No Trim

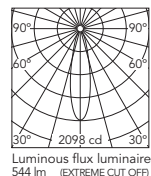
Non Dimmable

- 03.6526.40A
- 03.6526.14A
- Dali Version/1-10V
- 03.6526.40ADA
- 03.6526.14ADA

2700K - Trim

Non Dimmable

- 03.6510.40A
- 03.6510.14A
- Dali Version/1-10V
- 03.6510.40ADA
- 03.6510.14ADA

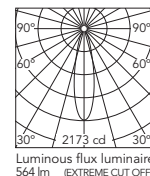


Beam Angle: 25°			
h(m)	E(lx)	D(m)	
1	2098	0.44	
2	524	0.88	
3	233	1.33	
4	131	1.77	
5	84	2.21	

3000K - Trim

Non Dimmable

- 03.6507.40A
- 03.6507.14A
- Dali Version/1-10V
- 03.6507.40ADA
- 03.6507.14ADA



Beam Angle: 25°			
h(m)	E(lx)	D(m)	
1	2173	0.44	
2	543	0.88	
3	241	1.33	
4	136	1.77	
5	87	2.21	

2700K - No Trim

Non Dimmable

- 03.6530.40A
- 03.6530.14A
- Dali Version/1-10V
- 03.6530.40ADA
- 03.6530.14ADA

3000K - No Trim

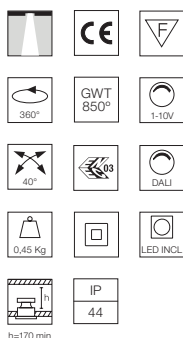
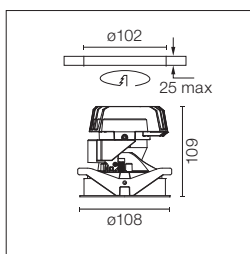
Non Dimmable

- 03.6527.40A
- 03.6527.14A
- Dali Version/1-10V
- 03.6527.40ADA
- 03.6527.14ADA

LIGHT SHOOTER

Light Shooter Adjustable Trim

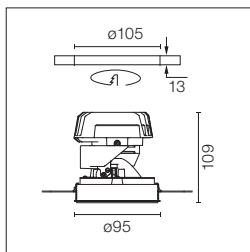
Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter Adjustable No Trim



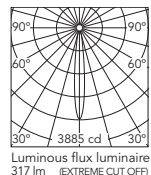
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6503.40A
- 03.6503.14A
- Dali Version/1-10V
- 03.6503.40ADA
- 03.6503.14ADA

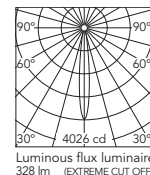


Beam Angle: 13°			
h(m)	E(lx)	D(m)	
1	3885	0.22	
2	971	0.44	
3	432	0.66	
4	243	0.88	
5	155	1.10	

3000K - Trim

Non Dimmable

- 03.6500.40A
- 03.6500.14A
- Dali Version/1-10V
- 03.6500.40ADA
- 03.6500.14ADA



Beam Angle: 13°			
h(m)	E(lx)	D(m)	
1	4026	0.22	
2	1006	0.44	
3	447	0.66	
4	252	0.88	
5	161	1.10	

2700K - No Trim

Non Dimmable

- 03.6523.40A
- 03.6523.14A
- Dali Version/1-10V
- 03.6523.40ADA
- 03.6523.14ADA

3000K - No Trim

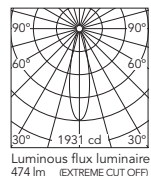
Non Dimmable

- 03.6520.40A
- 03.6520.14A
- Dali Version/1-10V
- 03.6520.40ADA
- 03.6520.14ADA

2700K - Trim

Non Dimmable

- 03.6504.40A
- 03.6504.14A
- Dali Version/1-10V
- 03.6504.40ADA
- 03.6504.14ADA

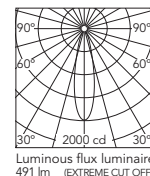


Beam Angle: 25°			
h(m)	E(lx)	D(m)	
1	1931	0.44	
2	483	0.88	
3	215	1.32	
4	121	1.75	
5	77	2.19	

3000K - Trim

Non Dimmable

- 03.6501.40A
- 03.6501.14A
- Dali Version/1-10V
- 03.6501.40ADA
- 03.6501.14ADA



Beam Angle: 25°			
h(m)	E(lx)	D(m)	
1	2000	0.44	
2	500	0.88	
3	222	1.32	
4	125	1.75	
5	80	2.19	

2700K - No Trim

Non Dimmable

- 03.6524.40A
- 03.6524.14A
- Dali Version/1-10V
- 03.6524.40ADA
- 03.6524.14ADA

3000K - No Trim

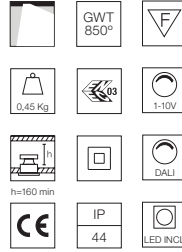
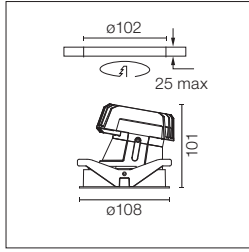
Non Dimmable

- 03.6521.40A
- 03.6521.14A
- Dali Version/1-10V
- 03.6521.40ADA
- 03.6521.14ADA

LIGHT SHOOTER

Light Shooter Wall-Washer Trim

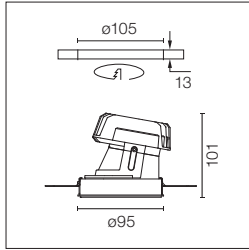
Light Source: Power LED 10W - 850 lm - 2700K/CRI 90 / 10W - 910 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter Wall-Washer No Trim



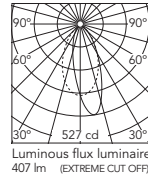
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6514.40A
- 03.6514.14A
- Dali Version/1-10V
- 03.6514.40ADA
- 03.6514.14ADA



Beam Angle: 34°			
h(m)	E(lx)	D(m)	
1	527	0.62	
2	132	1.24	
3	59	1.85	
4	33	2.47	
5	21	3.09	

2700K - No Trim

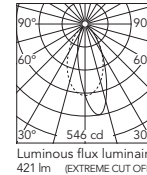
Non Dimmable

- 03.6534.40A
- 03.6534.14A
- Dali Version/1-10V
- 03.6534.40ADA
- 03.6534.14ADA

3000K - Trim

Non Dimmable

- 03.6512.40A
- 03.6512.14A
- Dali Version/1-10V
- 03.6512.40ADA
- 03.6512.14ADA



Beam Angle: 34°			
h(m)	E(lx)	D(m)	
1	546	0.62	
2	136	1.24	
3	61	1.85	
4	34	2.47	
5	22	3.09	

3000K - No Trim

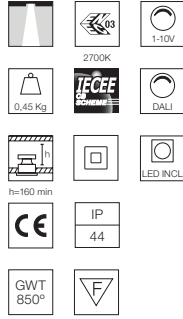
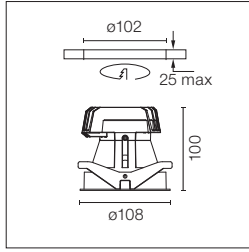
Non Dimmable

- 03.6532.40A
- 03.6532.14A
- Dali Version/1-10V
- 03.6532.40ADA
- 03.6532.14ADA

LIGHT SHOOTER

Light Shooter HP Fixed Trim

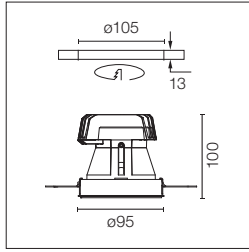
Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter HP Fixed No Trim



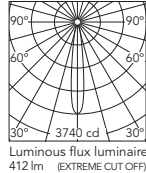
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6566.40
- 03.6566.14
- Dali Version/1-10V
- 03.6566.40.DA
- 03.6566.14.DA

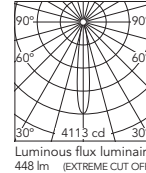


Beam Angle: 15°	h(m)	E(lx)	D(m)
1	3740	0.26	
2	935	0.53	
3	416	0.79	
4	234	1.05	
5	150	1.31	

3000K - Trim

Non Dimmable

- 03.6564.40A
- 03.6564.14A
- Dali Version/1-10V
- 03.6564.40ADA
- 03.6564.14ADA



Beam Angle: 15°	h(m)	E(lx)	D(m)
1	4113	0.26	
2	1028	0.52	
3	457	0.78	
4	257	1.04	
5	165	1.30	

2700K - No Trim

Non Dimmable

- 03.6576.40
- 03.6576.14
- Dali Version/1-10V
- 03.6576.40.DA
- 03.6576.14.DA

3000K - No Trim

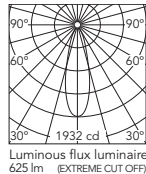
Non Dimmable

- 03.6574.40A
- 03.6574.14A
- Dali Version/1-10V
- 03.6574.40ADA
- 03.6574.14ADA

2700K - Trim

Non Dimmable

- 03.6567.40
- 03.6567.14
- Dali Version/1-10V
- 03.6567.40.DA
- 03.6567.14.DA

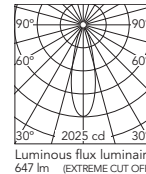


Beam Angle: 29°	h(m)	E(lx)	D(m)
1	1932	0.52	
2	483	1.04	
3	215	1.56	
4	121	2.08	
5	77	2.60	

3000K - Trim

Non Dimmable

- 03.6565.40A
- 03.6565.14A
- Dali Version/1-10V
- 03.6565.40ADA
- 03.6565.14ADA



Beam Angle: 29°	h(m)	E(lx)	D(m)
1	2025	0.52	
2	506	1.04	
3	225	1.56	
4	127	2.08	
5	81	2.60	

2700K - No Trim

Non Dimmable

- 03.6577.40
- 03.6577.14
- Dali Version/1-10V
- 03.6577.40.DA
- 03.6577.14.DA

3000K - No Trim

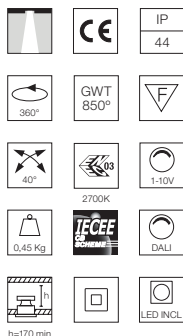
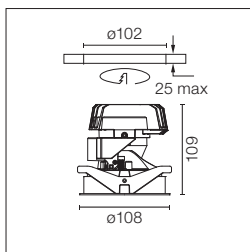
Non Dimmable

- 03.6575.40A
- 03.6575.14A
- Dali Version/1-10V
- 03.6575.40ADA
- 03.6575.14ADA

LIGHT SHOOTER

Light Shooter HP Adjustable Trim

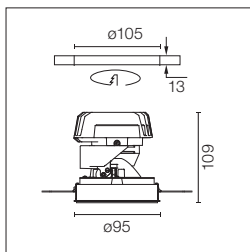
Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter HP Adjustable No Trim



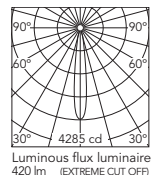
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6562.40
- 03.6562.14
- Dali Version/1-10V
- 03.6562.40.DA
- 03.6562.14.DA



Beam Angle: 14°

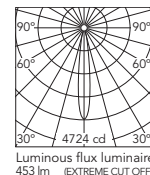
h(m)	E(lx)	D(m)
1	4285	0.25
2	1071	0.51
3	476	0.76
4	268	1.02
5	171	1.27

Luminous flux luminaire 420 lm (EXTREME CUT OFF)

3000K - Trim

Non Dimmable

- 03.6560.40A
- 03.6560.14A
- Dali Version/1-10V
- 03.6560.40ADA
- 03.6560.14ADA



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4724	0.25
2	1181	0.50
3	525	0.75
4	295	0.99
5	189	1.24

Luminous flux luminaire 453 lm (EXTREME CUT OFF)

2700K - No Trim

Non Dimmable

- 03.6572.40
- 03.6572.14
- Dali Version/1-10V
- 03.6572.40.DA
- 03.6572.14.DA

3000K - No Trim

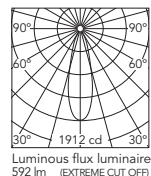
Non Dimmable

- 03.6570.40A
- 03.6570.14A
- Dali Version/1-10V
- 03.6570.40ADA
- 03.6570.14ADA

2700K - Trim

Non Dimmable

- 03.6563.40
- 03.6563.14
- Dali Version/1-10V
- 03.6563.40.DA
- 03.6563.14.DA



Beam Angle: 29°

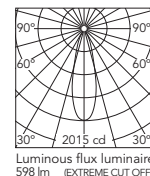
h(m)	E(lx)	D(m)
1	1912	0.51
2	478	1.03
3	212	1.54
4	119	2.05
5	76	2.56

Luminous flux luminaire 592 lm (EXTREME CUT OFF)

3000K - Trim

Non Dimmable

- 03.6561.40A
- 03.6561.14A
- Dali Version/1-10V
- 03.6561.40ADA
- 03.6561.14ADA



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	2015	0.50
2	504	1.01
3	224	1.51
4	126	2.02
5	81	2.52

Luminous flux luminaire 598 lm (EXTREME CUT OFF)

2700K - No Trim

Non Dimmable

- 03.6573.40
- 03.6573.14
- Dali Version/1-10V
- 03.6573.40.DA
- 03.6573.14.DA

3000K - No Trim

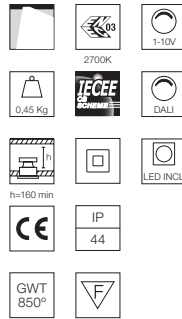
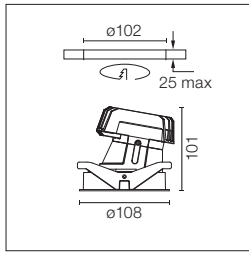
Non Dimmable

- 03.6571.40A
- 03.6571.14A
- Dali Version/1-10V
- 03.6571.40ADA
- 03.6571.14ADA

LIGHT SHOOTER

Light Shooter HP Wall-Washer Trim

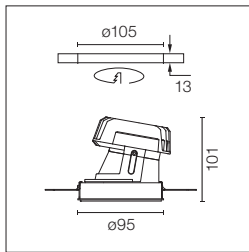
Light Source: High Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

Light Shooter HP Wall-Washer No Trim



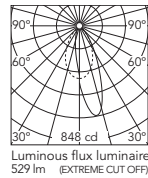
Pre-installation frame included in No Trim versions.

Marco de pre-instalación incluido en las versiones No Trim.

2700K - Trim

Non Dimmable

- 03.6569.40
- 03.6569.14
- Dali Version/1-10V
- 03.6569.40.DA
- 03.6569.14.DA



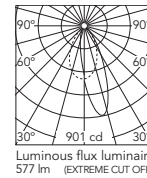
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	848	0.49
2	212	0.98
3	94	1.47
4	53	1.96
5	34	2.45

3000K - Trim

Non Dimmable

- 03.6568.40A
- 03.6568.14A
- Dali Version/1-10V
- 03.6568.40ADA
- 03.6568.14ADA



Beam Angle: 27°

h(m)	E(lx)	D(m)
1	901	0.51
2	225	1.02
3	100	1.53
4	56	2.04
5	36	2.55

2700K - No Trim

Non Dimmable

- 03.6579.40
- 03.6579.14
- Dali Version/1-10V
- 03.6579.40.DA
- 03.6579.14.DA

3000K - No Trim

Non Dimmable

- 03.6578.40A
- 03.6578.14A
- Dali Version/1-10V
- 03.6578.40ADA
- 03.6578.14ADA

Accessories / Accesorios

Elliptical lens.

Lente elíptica.



08.8041.68

Honeycomb.

Honeycomb.



08.8412.14

LIGHT SNIPER

DESIGNED BY FLOS ARCHITECTURAL

FIXED ADJUSTABLE WALL-
WASHER



LIGHT SOURCE
POWER LED
11W
910 lm
2700K/CRI 90
1060 lm
3000K/CRI 90

06 Chrome
06 Cromo

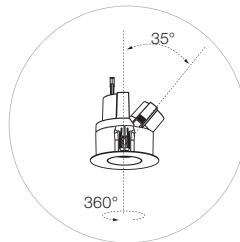
GL Matt Gold
GL Oro Mate

14 Matt Black
14 Negro Mate

Light Sniper
Round / Square



Can be rotated 360° and swivelled 35°.
Puede ser rotado 360° y orientado 35°.



LIGHT SNIPER

Description

High performance recessed luminaires for LED version. They offer a high comfort due to the back visual position of light source.

Body of the luminaire made of two bodies of injected aluminium. Round or square front ring made of steel sheet 1 mm thick with white matt finish (RAL 9001). It incorporates shielded cones made in zamak injection in three sets: black, matt gold and chrome. Fixed, tilt and wall-washers versions.

In wall-washer versions a distribution lens made of borosilicate is incorporated.

Power Supply

Cabling included, ready to be powered by remote devices. Remote 220-240V power supply included.

Accessories

- Accessory for ceiling protection. Recommended for delicate ceiling installation.
- Accessory flush. Allows flush installation to ceiling or wall.
- CAN accessory for installation in concrete. Facilitates installation on concrete ceilings. It is necessary to install fixture prior to the concrete ceiling.
- Honeycomb.
- Chromatic filters.

Additional Information

In the adjustable versions, the possibility of tilting of 40° and 360° rotation.

IP23, IP44 protection grade depending on the versions. Insulation class I, II, III depending on the versions. Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias empotrables de altas prestaciones para lámparas LED. Ofrecen un alto confort debido a la posición retrasada de la fuente de luz visual.

Cuerpo de la luminaria realizado en dos cuerpos de aluminio inyectado. Aro frontal realizado en chapa de acero de 1 mm de espesor redondo o cuadrado en acabado blanco mate (RAL 9001). Dispone de conos apantalladores realizados en inyección de zamak en tres decorados: negro, oro mate y cromo. Versiones fijas, basculantes y bañadores de pared.

En las versiones wall-washer incorpora lente de distribución realizada en borosilicato.

Unidades de Alimentación

Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.

Fuente de alimentación remota 220-240V incluida.

Accesorios

- Accesorio protector de techo. Recomendable para instalación en techos delicados.
- Accesorio flush. Permite la instalación enrasada a techo o pared.
- Accesorio CAN de instalación en hormigón. Facilita la instalación en techos de hormigón. Es necesario disponer e instalar del accesorio antes de realizar el techo de hormigón.
- Honeycomb.
- Filtros cromáticos.

Información Adicional

En las versiones ajustables, posibilidad de basculación de 40° y de rotación de 360°.

Índice de protección IP23, IP44, según las versiones.

Clase de aislamiento I, II, III, según las versiones.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Fixed

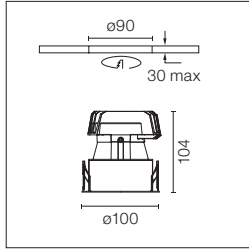


Adjustable

LIGHT SNIPER

Light Sniper Fixed Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

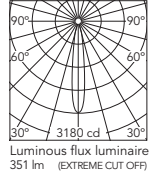
Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K

Non Dimmable
03.4981.06
03.4981.GL
03.4981.14

Dali Version / 1-10V / Push

03.4981.06.DA
03.4981.GL.DA
03.4981.14.DA



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3180	0.27
2	795	0.53
3	353	0.80
4	199	1.07
5	127	1.33

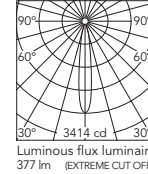
Luminous flux luminaire
351 lm (EXTREME CUT OFF)

3000K

Non Dimmable
03.4980.06A
03.4980.GLA
03.4980.14A

Dali Version / 1-10V / Push

03.4980.06ADA
03.4980.GLADA
03.4980.14ADA



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	3414	0.27
2	854	0.53
3	379	0.80
4	213	1.07
5	137	1.33

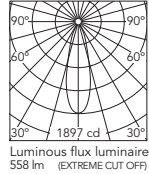
Luminous flux luminaire
377 lm (EXTREME CUT OFF)

2700K

Non Dimmable
03.4993.06
03.4993.GL
03.4993.14

Dali Version / 1-10V / Push

03.4993.06.DA
03.4993.GL.DA
03.4993.14.DA



Beam Angle: 28°

h(m)	E(lx)	D(m)
1	1897	0.51
2	474	1.01
3	211	1.52
4	119	2.02
5	76	2.53

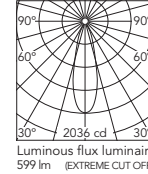
Luminous flux luminaire
558 lm (EXTREME CUT OFF)

3000K

Non Dimmable
03.4992.06A
03.4992.GLA
03.4992.14A

Dali Version / 1-10V / Push

03.4992.06ADA
03.4992.GLADA
03.4992.14ADA



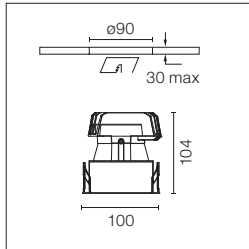
Beam Angle: 28°

h(m)	E(lx)	D(m)
1	2036	0.51
2	509	1.01
3	226	1.52
4	127	2.02
5	81	2.53

Luminous flux luminaire
599 lm (EXTREME CUT OFF)

Light Sniper Fixed Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

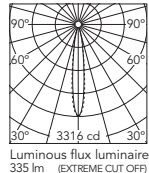
Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K

Non Dimmable
03.4983.06
03.4983.GL
03.4983.14

Dali Version / 1-10V / Push

03.4983.06.DA
03.4983.GL.DA
03.4983.14.DA



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3316	0.25
2	829	0.50
3	368	0.75
4	207	0.99
5	133	1.24

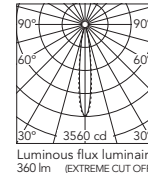
Luminous flux luminaire
335 lm (EXTREME CUT OFF)

3000K

Non Dimmable
03.4982.06A
03.4982.GLA
03.4982.14A

Dali Version / 1-10V / Push

03.4982.06ADA
03.4982.GLADA
03.4982.14ADA



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	3560	0.25
2	890	0.50
3	396	0.75
4	222	0.99
5	142	1.24

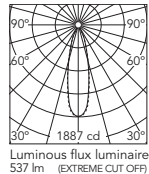
Luminous flux luminaire
360 lm (EXTREME CUT OFF)

2700K

Non Dimmable
03.4995.06
03.4995.GL
03.4995.14

Dali Version / 1-10V / Push

03.4995.06.DA
03.4995.GL.DA
03.4995.14.DA



Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1887	0.47
2	472	0.93
3	210	1.40
4	118	1.87
5	75	2.34

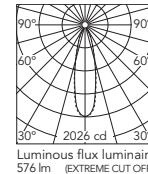
Luminous flux luminaire
537 lm (EXTREME CUT OFF)

3000K

Non Dimmable
03.4994.06A
03.4994.GLA
03.4994.14A

Dali Version / 1-10V / Push

03.4994.06ADA
03.4994.GLADA
03.4994.14ADA



Beam Angle: 26°

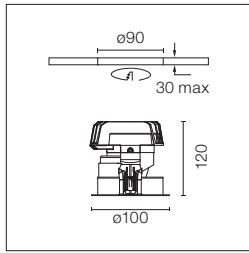
h(m)	E(lx)	D(m)
1	2026	0.47
2	506	0.93
3	225	1.40
4	127	1.87
5	81	2.34

Luminous flux luminaire
576 lm (EXTREME CUT OFF)

LIGHT SNIPER

Light Sniper Adjustable Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

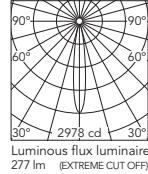
Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K

Non Dimmable
03.4985.06
03.4985.GL
03.4985.14

Dali Version / 1-10V / Push

03.4985.06.DA
03.4985.GL.DA
03.4985.14.DA

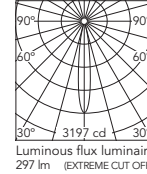


3000K

Non Dimmable
03.4984.06A
03.4984.GLA
03.4984.14A

Dali Version / 1-10V / Push

03.4984.06ADA
03.4984.GLADA
03.4984.14ADA

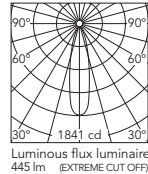


2700K

Non Dimmable
03.4997.06
03.4997.GL
03.4997.14

Dali Version / 1-10V / Push

03.4997.06.DA
03.4997.GL.DA
03.4997.14.DA

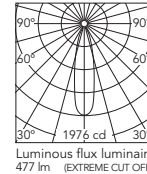


3000K

Non Dimmable
03.4996.06A
03.4996.GLA
03.4996.14A

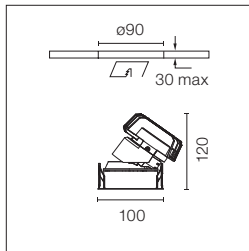
Dali Version / 1-10V / Push

03.4996.06ADA
03.4996.GLADA
03.4996.14.ADA



Light Sniper Adjustable Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

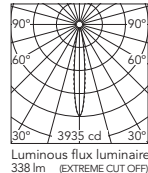
Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

2700K

Non Dimmable
03.4987.06
03.4987.GL
03.4987.14

Dali Version / 1-10V / Push

03.4987.06.DA
03.4987.GL.DA
03.4987.14.DA

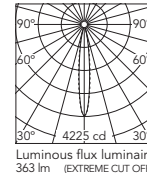


3000K

Non Dimmable
03.4986.06A
03.4986.GLA
03.4986.14A

Dali Version / 1-10V / Push

03.4986.06ADA
03.4986.GLADA
03.4986.14ADA

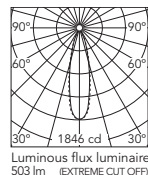


2700K

Non Dimmable
03.4999.06
03.4999.GL
03.4999.14

Dali Version / 1-10V / Push

03.4999.06.DA
03.4999.GL.DA
03.4999.14.DA

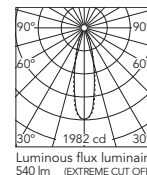


3000K

Non Dimmable
03.4998.06A
03.4998.GLA
03.4998.14A

Dali Version / 1-10V / Push

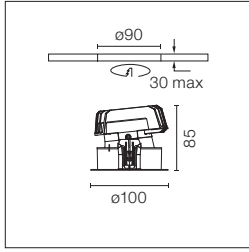
03.4998.06ADA
03.4998.GLADA
03.4998.14ADA



LIGHT SNIPER

Light Sniper Wall-Washer Round

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

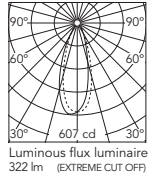
2700K

Non Dimmable

03.4989.06

Dali Version / 1-10V / Push

03.4989.06.DA



Beam Angle: 35°

h(m)	E(lx)	D(m)
1	607	0.63
2	152	1.26
3	67	1.90
4	38	2.53
5	24	3.16

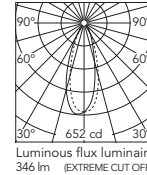
3000K

Non Dimmable

03.4988.06A

Dali Version / 1-10V / Push

03.4988.06ADA

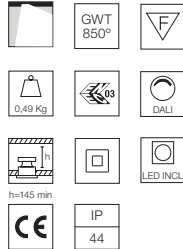
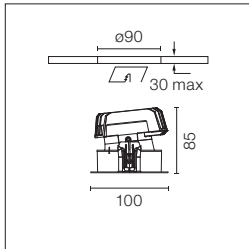


Beam Angle: 35°

h(m)	E(lx)	D(m)
1	652	0.63
2	163	1.26
3	72	1.90
4	41	2.53
5	26	3.16

Light Sniper Wall-Washer Square

Light Source: Power LED 11W - 910 lm - 2700K/CRI 90 / 11W - 1060 lm - 3000K/CRI 90



High-performance recessed luminaire with LED light source. Remote 220-240V power supply included.

Luminaria empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V incluida.

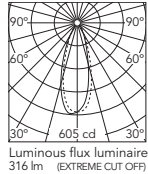
2700K

Non Dimmable

03.4991.06

Dali Version / 1-10V / Push

03.4991.06.DA



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	605	0.61
2	151	1.23
3	67	1.84
4	38	2.46
5	24	3.07

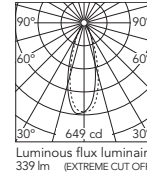
3000K

Non Dimmable

03.4990.06A

Dali Version / 1-10V / Push

03.4990.06ADA



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	649	0.61
2	162	1.23
3	72	1.84
4	41	2.46
5	26	3.07

LIGHT SNIPER

Accessories / Accesorios

In order to increase the performances of the Light Sniper family, the following accessories are available:

- Accessory for ceiling protection. Recommended for delicate ceiling installation.
- "Flush" accessory, which allows a flush installation with the ceiling or wall.
- CAN accessory for installation in concrete. It facilitates installation on concrete ceilings. It is necessary to obtain and to install the accessory prior to the concrete ceiling.
- Color filters.

Con el fin de incrementar las prestaciones de la familia Light Sniper se encuentran disponibles los siguientes accesorios:

- Accesorio protector de techo. Recomendable para instalación en techos delicados.
- Accesorio flush. Permite la instalación enrasada a techo o pared.
- Accesorio CAN de instalación en hormigón. Facilita la instalación en techos de hormigón. Es necesario disponer e instalar del accesorio antes de realizar el techo de hormigón.
- Filtros de color.

Flush ceiling round frame accessory. 08.8239.00B



Accesorio marco redondo de instalación enrasado en techo.

Elliptical lens Lente elíptica 08.8041.68



Flush ceiling square frame accessory. 08.8240.00B



Accesorio marco cuadrado de instalación enrasado en techo.

Honeycomb Honeycomb 08.8412.14



Ceiling protector accessory. 1 Unit 08.8243.00
 Accesorio protector de techo. 10 Units 08.8243.00.1U
 50 Units 08.8243.00.5U



Concrete installation can. 08.8250.00
 Cuerpo empotrable en hormigón.



Ceiling protector accessory. Round 08.8229.30A
 Accesorio protector de techo.



Square 08.8222.30A



UT DOWNLIGHT

DESIGNED BY FLOS ARCHITECTURAL

TRIM / NO TRIM
Ø57



LIGHT SOURCE
LED ARRAY
18W
2000 lm
3000K/CRI 80
1600 lm
3000K/CRI 90
4000K/CRI 90

TRIM / NO TRIM
Ø86



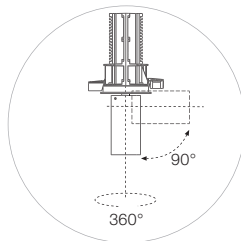
LIGHT SOURCE
LED ARRAY
HIGH
PERFORMANCES
27W
3214 lm
3000K/CRI 80
2656 lm
3000K/CRI 90
2767 lm
4000K/CRI 90

□ 30 White
30 Blanco

■ 14 Black
14 Negro



Can be rotated 360° and swivelled 90°.
Puede ser rotado 360° y orientado 90°.



UT DOWNLIGHT

Description

Interior lighting for embedded installation with high power LED technology light sources, in Dali and Non Dali versions.

The family is available in two sizes (Ø57 and Ø86).

In an upper position it functions as a downlight, and in a lower position it functions as a swivelling projector.

The optical body of the luminaire is manufactured in high-pressure die-cast aluminium, finished in black or white powder paint.

Remote power kit included.

Power Supply

Not dimmable or dimmable Dali 220-240V, constant current, power supply included.

Accessories

- Screening crosspiece, elliptical lens, flood lens and Honeycomb.

- No Trim installation frame.

Additional Information

IP20 protection grade.

Insulation class II.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para instalación empotrada con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No Dali.

La familia está disponible en dos tamaños (Ø57 y Ø86).

En posición superior funciona como donwlight y en posición inferior funciona como proyector orientable.

El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.

Equipo de alimentación remoto incluido.

Unidades de Alimentación

Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida.

Accesorios

- Disponibles cruceta de apantallamiento, lente elíptica, lente Flood y Honeycomb.

- Marco de instalación No Trim.

Información Adicional

Índice de protección IP20.

Clase de aislamiento II.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Trim

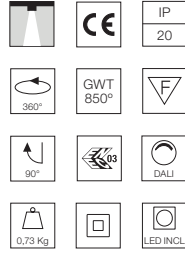
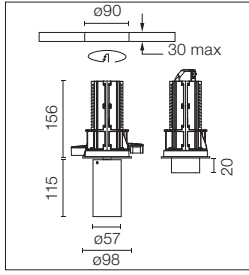


No Trim

UT DOWNLIGHT

Ut Downlight Trim Ø57

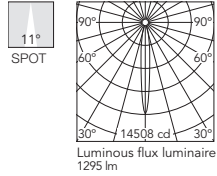
Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90



Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

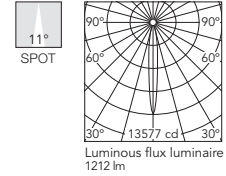
- 3000K - CRI 80**
Non Dimmable
09.4510.30A
09.4510.14A
Dali Version
09.4510.30ADA
09.4510.14ADA



Beam Angle: 11°

h(m)	E(lx)	D(m)
1	14508	0.19
2	3627	0.39
3	1612	0.58
4	907	0.77
5	580	0.97

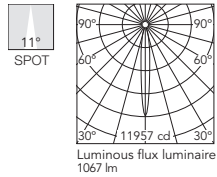
- 4000K - CRI 90**
Non Dimmable
09.4516.30A
09.4516.14A
Dali Version
09.4516.30ADA
09.4516.14ADA



Beam Angle: 11°

h(m)	E(lx)	D(m)
1	13577	0.19
2	3394	0.39
3	1509	0.58
4	849	0.77
5	543	0.97

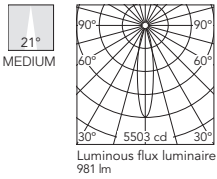
- 3000K - CRI 90**
Non Dimmable
09.4513.30A
09.4513.14A
Dali Version
09.4513.30ADA
09.4513.14ADA



Beam Angle: 11°

h(m)	E(lx)	D(m)
1	11957	0.19
2	2989	0.39
3	1329	0.58
4	747	0.77
5	478	0.97

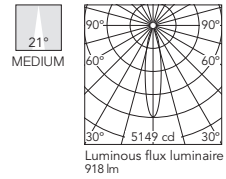
- 3000K - CRI 80**
Non Dimmable
09.4511.30A
09.4511.14A
Dali Version
09.4511.30ADA
09.4511.14ADA



Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5503	0.36
2	1376	0.72
3	611	1.09
4	344	1.45
5	220	1.81

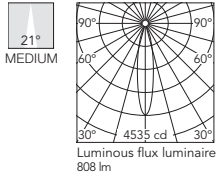
- 4000K - CRI 90**
Non Dimmable
09.4517.30A
09.4517.14A
Dali Version
09.4517.30ADA
09.4517.14ADA



Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5149	0.36
2	1287	0.72
3	572	1.09
4	322	1.45
5	206	1.81

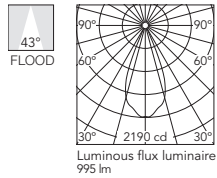
- 3000K - CRI 90**
Non Dimmable
09.4514.30A
09.4514.14A
Dali Version
09.4514.30ADA
09.4514.14ADA



Beam Angle: 21°

h(m)	E(lx)	D(m)
1	4535	0.36
2	1134	0.72
3	504	1.09
4	283	1.45
5	181	1.81

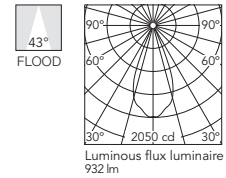
- 3000K - CRI 80**
Non Dimmable
09.4512.30A
09.4512.14A
Dali Version
09.4512.30ADA
09.4512.14ADA



Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2190	0.79
2	548	1.58
3	243	2.37
4	137	3.16
5	88	3.95

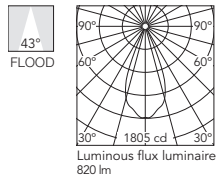
- 4000K - CRI 90**
Non Dimmable
09.4518.30A
09.4518.14A
Dali Version
09.4518.30ADA
09.4518.14ADA



Beam Angle: 43°

h(m)	E(lx)	D(m)
1	2050	0.79
2	512	1.58
3	228	2.37
4	128	3.16
5	82	3.95

- 3000K - CRI 90**
Non Dimmable
09.4515.30A
09.4515.14A
Dali Version
09.4515.30ADA
09.4515.14ADA



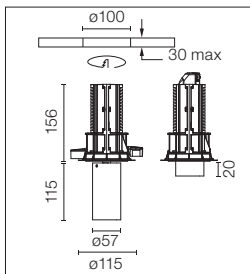
Beam Angle: 43°

h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

UT DOWNLIGHT

Ut Downlight No Trim Ø57

Light Source: LED Array 18W - 2000 lm - 3000K/CRI 80 / 18W - 1600 lm - 3000K/CRI 90 / 18W - 1600 lm - 4000K/CRI 90



Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Pre-installation frame must be ordered separately.

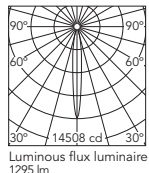
Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 80

Non Dimmable

- 09.4519.30A
- 09.4519.14A
- Dali Version
- 09.4519.30ADA
- 09.4519.14ADA

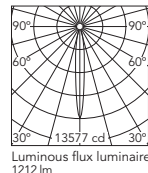


Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	14508	0.19
2	3627	0.39
3	1612	0.58
4	907	0.77
5	580	0.97

4000K - CRI 90

Non Dimmable

- 09.4525.30A
- 09.4525.14A
- Dali Version
- 09.4525.30ADA
- 09.4525.14ADA

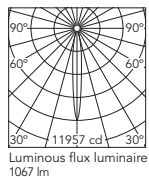


Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	13577	0.19
2	3394	0.39
3	1509	0.58
4	849	0.77
5	543	0.97

3000K - CRI 90

Non Dimmable

- 09.4522.30A
- 09.4522.14A
- Dali Version
- 09.4522.30ADA
- 09.4522.14ADA

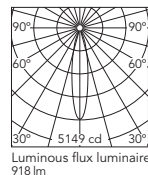


Beam Angle: 11°		
h(m)	E(lx)	D(m)
1	11957	0.19
2	2989	0.39
3	1329	0.58
4	747	0.77
5	478	0.97

4000K - CRI 90

Non Dimmable

- 09.4526.30A
- 09.4526.14A
- Dali Version
- 09.4526.30ADA
- 09.4526.14ADA

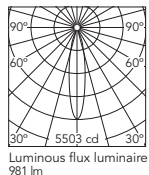


Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	5149	0.36
2	1287	0.72
3	572	1.09
4	322	1.45
5	206	1.81

3000K - CRI 80

Non Dimmable

- 09.4520.30A
- 09.4520.14A
- Dali Version
- 09.4520.30ADA
- 09.4520.14ADA

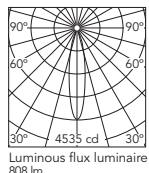


Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	5503	0.36
2	1376	0.72
3	611	1.09
4	344	1.45
5	220	1.81

3000K - CRI 90

Non Dimmable

- 09.4523.30A
- 09.4523.14A
- Dali Version
- 09.4523.30ADA
- 09.4523.14ADA

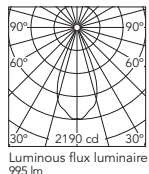


Beam Angle: 21°		
h(m)	E(lx)	D(m)
1	4535	0.36
2	1134	0.72
3	504	1.09
4	283	1.45
5	181	1.81

3000K - CRI 80

Non Dimmable

- 09.4521.30A
- 09.4521.14A
- Dali Version
- 09.4521.30ADA
- 09.4521.14ADA

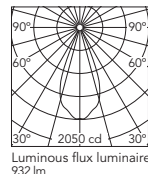


Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	2190	0.79
2	548	1.58
3	243	2.37
4	137	3.16
5	88	3.95

4000K - CRI 90

Non Dimmable

- 09.4527.30A
- 09.4527.14A
- Dali Version
- 09.4527.30ADA
- 09.4527.14ADA

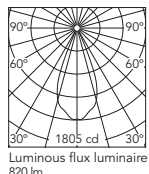


Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	2050	0.79
2	512	1.58
3	228	2.37
4	128	3.16
5	82	3.95

3000K - CRI 90

Non Dimmable

- 09.4524.30A
- 09.4524.14A
- Dali Version
- 09.4524.30ADA
- 09.4524.14ADA

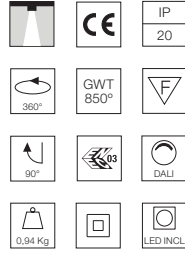
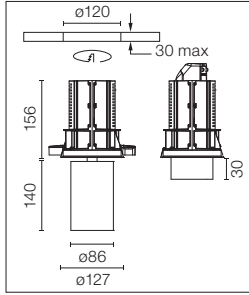


Beam Angle: 43°		
h(m)	E(lx)	D(m)
1	1805	0.79
2	451	1.58
3	201	2.37
4	113	3.16
5	72	3.95

UT DOWNLIGHT

Ut Downlight Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90



Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

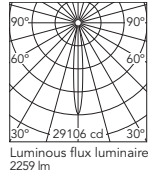
3000K - CRI 80

Non Dimmable

- 09.4910.30A
- 09.4910.14A

Dali Version

- 09.4910.30ADA
- 09.4910.14ADA



Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29106	0.21
2	7277	0.41
3	3234	0.62
4	1819	0.82
5	1164	1.03

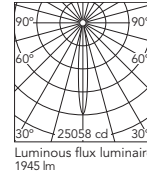
4000K - CRI 90

Non Dimmable

- 09.4916.30A
- 09.4916.14A

Dali Version

- 09.4916.30ADA
- 09.4916.14ADA



Beam Angle: 12°

h(m)	E(lx)	D(m)
1	25058	0.21
2	6265	0.41
3	2784	0.62
4	1566	0.82
5	1002	1.03

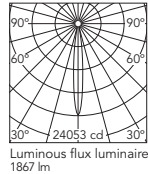
3000K - CRI 90

Non Dimmable

- 09.4913.30A
- 09.4913.14A

Dali Version

- 09.4913.30ADA
- 09.4913.14ADA



Beam Angle: 12°

h(m)	E(lx)	D(m)
1	24053	0.21
2	6013	0.41
3	2673	0.62
4	1503	0.82
5	962	1.03

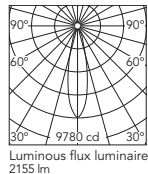
3000K - CRI 80

Non Dimmable

- 09.4911.30A
- 09.4911.14A

Dali Version

- 09.4911.30ADA
- 09.4911.14ADA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9780	0.43
2	2445	0.86
3	1087	1.28
4	611	1.71
5	391	2.14

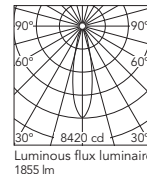
4000K - CRI 90

Non Dimmable

- 09.4917.30A
- 09.4917.14A

Dali Version

- 09.4917.30ADA
- 09.4917.14ADA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8420	0.43
2	2105	0.86
3	936	1.28
4	526	1.71
5	337	2.14

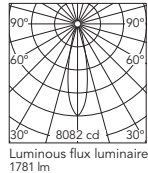
3000K - CRI 90

Non Dimmable

- 09.4914.30A
- 09.4914.14A

Dali Version

- 09.4914.30ADA
- 09.4914.14ADA



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	8082	0.43
2	2020	0.86
3	898	1.28
4	505	1.71
5	323	2.14

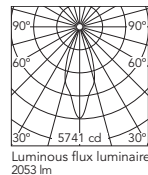
3000K - CRI 80

Non Dimmable

- 09.4912.30A
- 09.4912.14A

Dali Version

- 09.4912.30ADA
- 09.4912.14ADA



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5741	0.67
2	1435	1.34
3	638	2.01
4	359	2.69
5	230	3.36

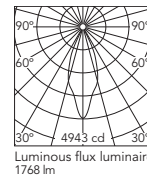
4000K - CRI 90

Non Dimmable

- 09.4918.30A
- 09.4918.14A

Dali Version

- 09.4918.30ADA
- 09.4918.14ADA



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4943	0.67
2	1236	1.34
3	549	2.01
4	309	2.69
5	198	3.36

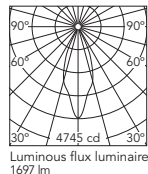
3000K - CRI 90

Non Dimmable

- 09.4915.30A
- 09.4915.14A

Dali Version

- 09.4915.30ADA
- 09.4915.14ADA



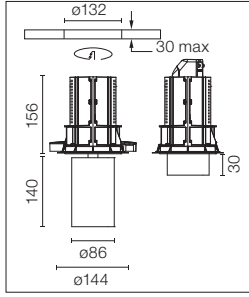
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	4745	0.67
2	1186	1.34
3	527	2.01
4	297	2.69
5	190	3.36

UT DOWNLIGHT

Ut Downlight No Trim Ø86

Light Source: LED Array High Performances 27W - 3214 lm - 3000K/CRI 80 / 27W - 2656 lm - 3000K/CRI 90 / 27W - 2767 lm - 4000K/CRI 90



Recessed luminaire with LED light source. 220-240V, 50-60Hz remote power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

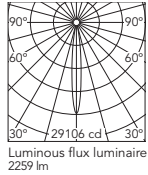
3000K - CRI 80

Non Dimmable

- 09.4919.30A
- 09.4919.14A

Dali Version

- 09.4919.30ADA
- 09.4919.14ADA



Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	29106	0.21	
2	7277	0.41	
3	3234	0.62	
4	1819	0.82	
5	1164	1.03	

Luminous flux luminaire 2259 lm

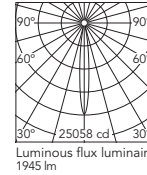
4000K - CRI 90

Non Dimmable

- 09.4925.30A
- 09.4925.14A

Dali Version

- 09.4925.30ADA
- 09.4925.14ADA



Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	25058	0.21	
2	6265	0.41	
3	2784	0.62	
4	1566	0.82	
5	1002	1.03	

Luminous flux luminaire 1945 lm

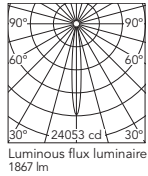
3000K - CRI 90

Non Dimmable

- 09.4922.30A
- 09.4922.14A

Dali Version

- 09.4922.30ADA
- 09.4922.14ADA



Beam Angle: 12°			
h(m)	E(lx)	D(m)	
1	24053	0.21	
2	6013	0.41	
3	2673	0.62	
4	1503	0.82	
5	962	1.03	

Luminous flux luminaire 1867 lm

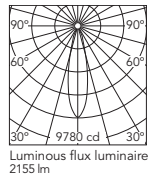
3000K - CRI 80

Non Dimmable

- 09.4920.30A
- 09.4920.14A

Dali Version

- 09.4920.30ADA
- 09.4920.14ADA



Beam Angle: 24°			
h(m)	E(lx)	D(m)	
1	9780	0.43	
2	2445	0.86	
3	1087	1.28	
4	611	1.71	
5	391	2.14	

Luminous flux luminaire 2155 lm

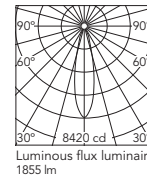
4000K - CRI 90

Non Dimmable

- 09.4926.30A
- 09.4926.14A

Dali Version

- 09.4926.30ADA
- 09.4926.14ADA



Beam Angle: 24°			
h(m)	E(lx)	D(m)	
1	8420	0.43	
2	2105	0.86	
3	936	1.28	
4	526	1.71	
5	337	2.14	

Luminous flux luminaire 1855 lm

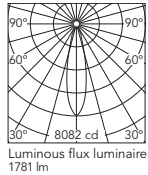
3000K - CRI 90

Non Dimmable

- 09.4923.30A
- 09.4923.14A

Dali Version

- 09.4923.30ADA
- 09.4923.14ADA



Beam Angle: 24°			
h(m)	E(lx)	D(m)	
1	8082	0.43	
2	2020	0.86	
3	898	1.28	
4	505	1.71	
5	323	2.14	

Luminous flux luminaire 1781 lm

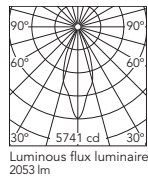
3000K - CRI 80

Non Dimmable

- 09.4921.30A
- 09.4921.14A

Dali Version

- 09.4921.30ADA
- 09.4921.14ADA



Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	5741	0.67	
2	1435	1.34	
3	638	2.01	
4	359	2.69	
5	230	3.36	

Luminous flux luminaire 2053 lm

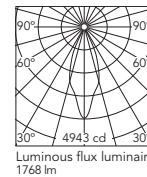
4000K - CRI 90

Non Dimmable

- 09.4927.30A
- 09.4927.14A

Dali Version

- 09.4927.30ADA
- 09.4927.14ADA



Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	4943	0.67	
2	1236	1.34	
3	549	2.01	
4	309	2.69	
5	198	3.36	

Luminous flux luminaire 1768 lm

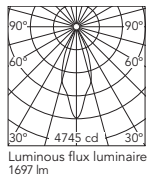
3000K - CRI 90

Non Dimmable

- 09.4924.30A
- 09.4924.14A

Dali Version

- 09.4924.30ADA
- 09.4924.14ADA



Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	4745	0.67	
2	1186	1.34	
3	527	2.01	
4	297	2.69	
5	190	3.36	

Luminous flux luminaire 1697 lm

UT DOWNLIGHT

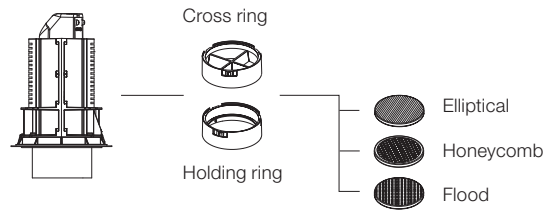
Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.



UT Downlight Ø86: Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.

UT Downlight Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.



UT Downlight Ø57

Installation frame No Trim.  08.8994.30
Marco de instalación No Trim.  08.8994.14



Screening crosspiece 08.8429.00
Cruceta de apantallamiento



Elliptical lens 08.8431.00
Lente elíptica



Flood lens 08.8432.00
Lente flood



For Spot & Medium optics



Honeycomb 08.8428.00
Honeycomb



Snoot shielding cone 08.0526.00
Cono apantallador



UT Downlight Ø86

Installation frame No Trim.  08.8995.30
Marco de instalación No Trim.  08.8995.14



Holding ring 08.8410.00
Aro soporte



Screening crosspiece 08.8411.00
Cruceta de apantallamiento



Elliptical lens 08.8163.68
Lente elíptica



Flood lens 08.8175.68
Lente flood



For Spot & Medium optics

Honeycomb 08.8495.14
Honeycomb



LIGHT SUPPLY

DESIGNED BY FLOS ARCHITECTURAL

FIXED TRIM / NO TRIM	ADJUSTABLE TRIM / NO TRIM	WALL-WASHER TRIM / NO TRIM
		
		
LIGHT SOURCE PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80	LIGHT SOURCE PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80	LIGHT SOURCE PHOSPHOR LED 26W 2285 lm 3000K/CRI 98 28W 3000 lm 4000K/CRI 80
LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 29W 3402 lm 3000K/CRI 80 2811 lm 3000K/CRI 90 2929 lm 4000K/CRI 90	LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 30,1W 3402 lm 3000K/CRI 80 2811 lm 3000K/CRI 90 2929 lm 4000K/CRI 90	LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 33,2W 3770 lm 3000K/CRI 80 3116 lm 3000K/CRI 90 3246 lm 4000K/CRI 90

Light Supply Adjustable

40 White
40 Blanco

14 Black
14 Negro



Light Supply Fixed & Wall-Washer Trim

External Ring / Anillo Exterior

White
Blanco

Black
Negro

Reflector / Reflector

Aluminium
Aluminio

White
Blanco

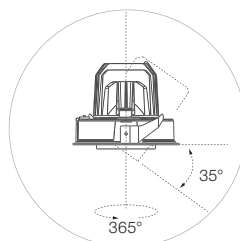
Aluminium
Aluminio

White
Blanco



Can be rotated 365° and swivelled 35°.
Puede ser rotado 365° y orientado 35°.

Light Supply Adjustable



LIGHT SUPPLY

Description

New downlight family developed to get a maximum flux in a compact design. 165mm diameter offering up to 3000 lm thanks to latest technology LED modules. Available in fixed, adjustable and wall-washer version. Adjustable version features a dismountable optic support cylinder, to be easily unscrewed from the luminaire, in order to completely access the electronic and to install the professional accessories available. To offer maximum flexibility and installation evolution in time, reflector of spot, medium and flood optic are also available as accessories, to change the light beam dimension without even needing to dismount the fixture from the ceiling. All Light Supply No Trim versions can be mounted in a standard pre-installation metal frame or, for total integration in plasterboard ceiling, in a Soft Technology installation plate.

Reflectors

All super pure aluminum with specular finish. Circular roto symmetrical spot, medium and flood for the adjustable version, flood for the fixed version.

Power Supply

Cabling included, ready to be powered by included remote driver. Versions without driver and 1-10V dimmable available on request.

Accessories

For adjustable version:
- Elliptical distribution lens.
- Honeycomb.
- Spare part of spot, medium, flood optics reflectors.
For all No Trim versions:
- Pre-installation frame or Soft Architecture installation plate for adjustable version.

Additional Information

In the adjustable versions, 35° tilt and 365° rotation. IP23, IP44 protection grade depending on the versions. Insulation class II.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Nueva familia de empotrables desarrollada para conseguir un flujo máximo de 3000 lm dentro de un diseño compacto de 165mm de diámetro gracias a la última tecnología de módulos LED. Disponible en versiones fija, ajustable y wall-washer. La versión ajustable cuenta con una óptica cilíndrica intercambiable para facilitar el acceso a la electrónica e intercambiar los accesorios disponibles. Para ofrecer la máxima flexibilidad y mejorar la instalación, hay disponibles reflectores con ópticas cerradas, intermedias y abiertas. Intercambio de accesorios sin necesidad de desmontar el producto del techo. Todas las versiones No Trim pueden ser montadas en marco de pre-instalación o integradas en techo de cartón yeso mediante la tecnología Soft.

Reflectores

Realizados con aluminio en acabado especular. Para la versión ajustable haz de luz cerrado, medio y amplio; para la versión fija aperturas amplias.

Unidades de Alimentación

Cableado incluido, disponible para conectar a equipo remoto. Versiones sin equipo y regulable 1-10V disponibles bajo pedido.

Accesorios

Para la versión ajustable:
- Lente de distribución elíptica.
- Honeycomb.
- Recambio de reflectores con aperturas cerrada, media y abierta.
Para todas las versiones No Trim:
- Marco de pre-instalación o placa de instalación Soft Architecture para la versión ajustable.

Información Adicional

En las versiones ajustables, basculación de 35° y rotación de 365°. Índice de protección IP23, IP44 según las versiones. Clase de aislamiento II.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Fixed / Adjustable /
Wall-Washer
Trim



Fixed
No Trim



Adjustable
No Trim



Wall-Washer
No Trim

LIGHT SUPPLY



Thanks to remote-phosphor technology, the LED modules of the Phosphor LED version offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version.

All the 3000K versions are available under request in the "Retail version". This option has a special Phosphor LED module that, with all the advantages regarding energy saving and reliability available on the market, reproduces the frequency of the light of a metal halide lamp. This innovative solution improves the perception of colours and the representation of white, in addition to reducing the radiation of the violet spectrum, damaging to works of art, so, it is especially indicated for commercial and museum purposes.

The LED modules installed on the LED Array versions have cutting-edge technology that permit a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters, yet still offer 20% added luminous flux.

Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones.

Todas las versiones de 3000K están disponibles bajo petición en la "versión Retail". Esta opción cuenta con un módulo Phosphor LED especial que, con todas las ventajas en términos de ahorro energético y fiabilidad disponibles en el mercado, reproduce la frecuencia de la luz de una lámpara de halogenuro metálico.

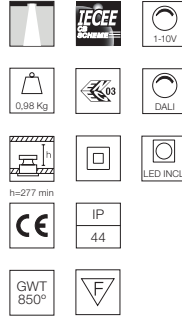
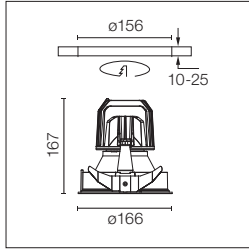
Esta solución innovadora mejora la percepción de los colores y la representación del color blanco, además de reducir la radiación del espectro violeta, perjudicial para obras de arte, así que, es especialmente indicado para su aplicación comercial y en museos.

Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo un aumento del 20% del flujo luminoso.

LIGHT SUPPLY

Light Supply Fixed Trim

Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98 / 28W - 3000 lm - 4000K/CRI 80



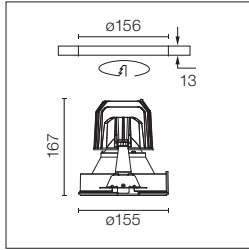
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno.

Light Supply Fixed No Trim



Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 98

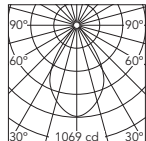
Trim

- E I 03.6611.3B
- E I 03.6611.3C
- E I 03.6611.3B.DA
- E I 03.6611.3C.DA

- E I 03.6611.1B
- E I 03.6611.1C
- E I 03.6611.1B.DA
- E I 03.6611.1C.DA

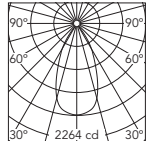
No Trim

- 03.6626.40
- 03.6626.06
- Dali Version/1-10V
- 03.6626.40.DA
- 03.6626.06.DA



Beam Angle: 65°		
h(m)	E(lx)	D(m)
1	1069	1.27
2	267	2.54
3	119	3.80
4	67	5.07
5	43	6.34

Luminous flux luminaire
1158 lm (EXTREME CUT OFF)
@White Reflector



Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	2264	0.91
2	566	1.81
3	252	2.72
4	142	3.63
5	91	4.54

Luminous flux luminaire
1576 lm (EXTREME CUT OFF)
@Aluminium Reflector

4000K - CRI 80

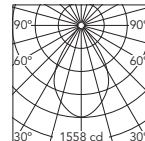
Trim

- E I 03.6610.3B
- E I 03.6610.3C
- E I 03.6610.3B.DA
- E I 03.6610.3C.DA

- E I 03.6610.1B
- E I 03.6610.1C
- E I 03.6610.1B.DA
- E I 03.6610.1C.DA

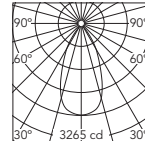
No Trim

- 03.6625.40
- 03.6625.06
- Dali Version/1-10V
- 03.6625.40.DA
- 03.6625.06.DA



Beam Angle: 65°		
h(m)	E(lx)	D(m)
1	1558	1.27
2	390	2.55
3	173	3.82
4	97	5.10
5	62	6.37

Luminous flux luminaire
1696 lm (EXTREME CUT OFF)
@White Reflector



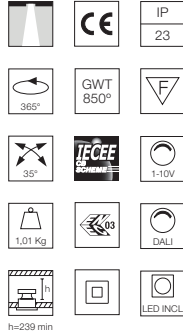
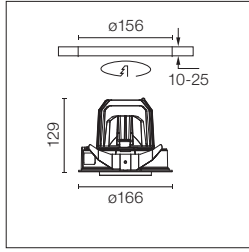
Beam Angle: 49°		
h(m)	E(lx)	D(m)
1	3265	0.91
2	816	1.81
3	363	2.72
4	204	3.62
5	131	4.53

Luminous flux luminaire
2270 lm (EXTREME CUT OFF)
@Aluminium Reflector

LIGHT SUPPLY

Light Supply Adjustable Trim

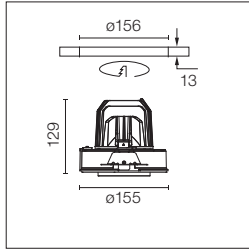
Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98



Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim



Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

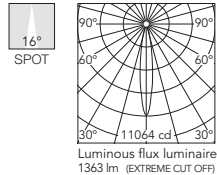
3000K - CRI 98

Trim

- 03.6606.40
- 03.6606.14
- Dali Version/1-10V
- 03.6606.40.DA
- 03.6606.14.DA

No Trim

- 03.6621.40
- 03.6621.14
- Dali Version/1-10V
- 03.6621.40.DA
- 03.6621.14.DA



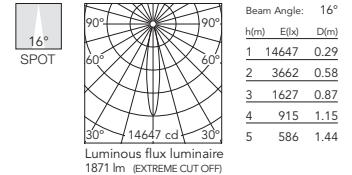
4000K - CRI 80

Trim

- 03.6603.40
- 03.6603.14
- Dali Version/1-10V
- 03.6603.40.DA
- 03.6603.14.DA

No Trim

- 03.6618.40
- 03.6618.14
- Dali Version/1-10V
- 03.6618.40.DA
- 03.6618.14.DA



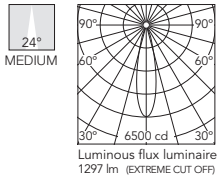
3000K - CRI 98

Trim

- 03.6607.40
- 03.6607.14
- Dali Version/1-10V
- 03.6607.40.DA
- 03.6607.14.DA

No Trim

- 03.6622.40
- 03.6622.14
- Dali Version/1-10V
- 03.6622.40.DA
- 03.6622.14.DA



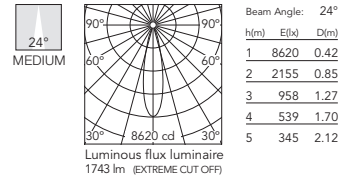
4000K - CRI 80

Trim

- 03.6604.40
- 03.6604.14
- Dali Version/1-10V
- 03.6604.40.DA
- 03.6604.14.DA

No Trim

- 03.6619.40
- 03.6619.14
- Dali Version/1-10V
- 03.6619.40.DA
- 03.6619.14.DA



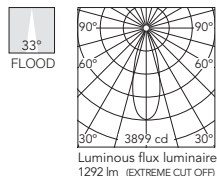
3000K - CRI 98

Trim

- 03.6608.40
- 03.6608.14
- Dali Version/1-10V
- 03.6608.40.DA
- 03.6608.14.DA

No Trim

- 03.6623.40
- 03.6623.14
- Dali Version/1-10V
- 03.6623.40.DA
- 03.6623.14.DA



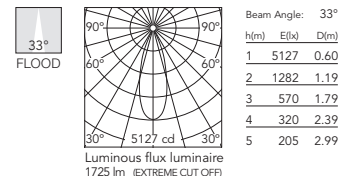
4000K - CRI 80

Trim

- 03.6605.40
- 03.6605.14
- Dali Version/1-10V
- 03.6605.40.DA
- 03.6605.14.DA

No Trim

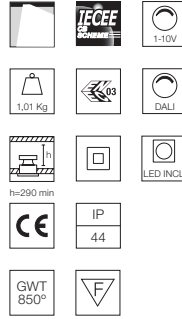
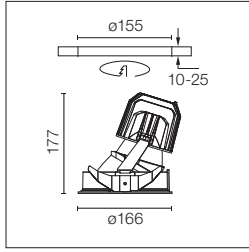
- 03.6620.40
- 03.6620.14
- Dali Version/1-10V
- 03.6620.40.DA
- 03.6620.14.DA



LIGHT SUPPLY

Light Supply Wall-Washer Trim

Light Source: Phosphor LED 26W - 2285 lm - 3000K/CRI 98 / 28W - 3000 lm - 4000K/CRI 80



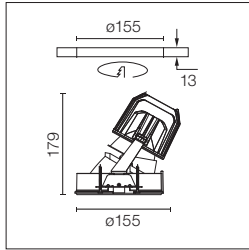
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno.

Light Supply Wall-Washer No Trim



Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 98

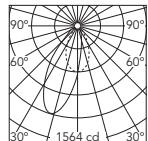
Trim

- 03.6614.3B
- 03.6614.3C
- Dali Version/1-10V
- 03.6614.3B.DA
- 03.6614.3C.DA

- 03.6614.1B
- 03.6614.1C
- Dali Version/1-10V
- 03.6614.1B.DA
- 03.6614.1C.DA

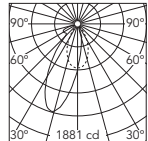
No Trim

- 03.6629.40
- 03.6629.06
- Dali Version/1-10V
- 03.6629.40.DA
- 03.6629.06.DA



Luminous flux luminaire
1355 lm (EXTREME CUT OFF)
@White Reflector

Beam Angle: 38°			
h(m)	E(lx)	D(m)	
1	1564	0.77	
2	391	1.55	
3	174	2.32	
4	98	3.09	
5	63	3.86	



Luminous flux luminaire
1401 lm (EXTREME CUT OFF)
@Aluminium Reflector

Beam Angle: 35°			
h(m)	E(lx)	D(m)	
1	1881	0.71	
2	470	1.41	
3	209	2.12	
4	118	2.83	
5	75	3.53	

4000K - CRI 80

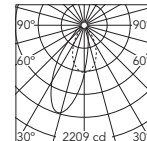
Trim

- 03.6613.3B
- 03.6613.3C
- Dali Version/1-10V
- 03.6613.3B.DA
- 03.6613.3C.DA

- 03.6613.1B
- 03.6613.1C
- Dali Version/1-10V
- 03.6613.1B.DA
- 03.6613.1C.DA

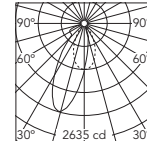
No Trim

- 03.6628.40
- 03.6628.06
- Dali Version/1-10V
- 03.6628.40.DA
- 03.6628.06.DA



Luminous flux luminaire
1918 lm (EXTREME CUT OFF)
@White Reflector

Beam Angle: 37°			
h(m)	E(lx)	D(m)	
1	2209	0.76	
2	552	1.53	
3	245	2.29	
4	138	3.06	
5	88	3.82	



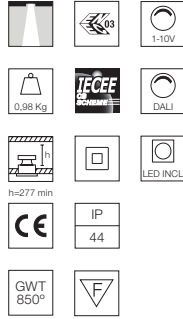
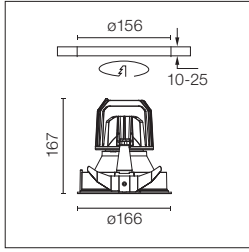
Luminous flux luminaire
1967 lm (EXTREME CUT OFF)
@Aluminium Reflector

Beam Angle: 35°			
h(m)	E(lx)	D(m)	
1	2635	0.70	
2	659	1.40	
3	293	2.10	
4	165	2.79	
5	105	3.49	

LIGHT SUPPLY

Light Supply Fixed Trim

Light Source: LED Array High Performances 29W - 3402 lm - 3000K/CRI 80 / 29W - 2811 lm - 3000K/CRI 90 / 29W - 2929 lm - 4000K/CRI 90



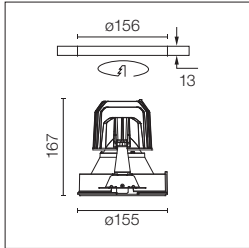
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno.

Light Supply Fixed No Trim

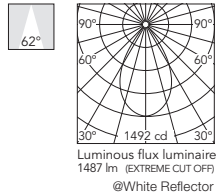


Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

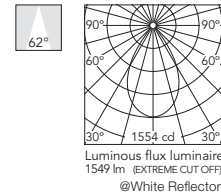
3000K - CRI 90

- Trim**
- E I 03.6811.3BA
 - E I 03.6811.3CA
 - E I Dali Version/1-10V
 - E I 03.6811.3BADA
 - E I 03.6811.3CADA

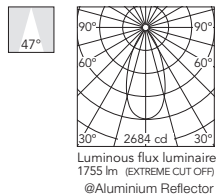


4000K - CRI 90

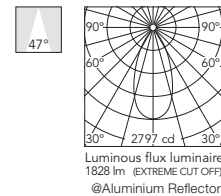
- Trim**
- E I 03.6810.3BA
 - E I 03.6810.3CA
 - E I Dali Version/1-10V
 - E I 03.6810.3BADA
 - E I 03.6810.3CADA



- E I 03.6811.1BA
- E I 03.6811.1CA
- E I Dali Version/1-10V
- E I 03.6811.1BADA
- E I 03.6811.1CADA
- No Trim**
- 03.6826.40A
- 03.6826.06A
- Dali Version/1-10V
- 03.6826.40ADA
- 03.6826.06ADA

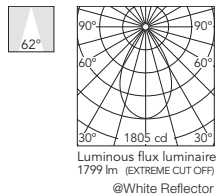


- E I 03.6810.1BA
- E I 03.6810.1CA
- E I Dali Version/1-10V
- E I 03.6810.1BADA
- E I 03.6810.1CADA
- No Trim**
- 03.6825.40A
- 03.6825.06A
- Dali Version/1-10V
- 03.6825.40ADA
- 03.6825.06ADA

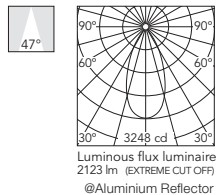


3000K - CRI 80

- Trim**
- E I 03.6809.3BA
 - E I 03.6809.3CA
 - E I Dali Version/1-10V
 - E I 03.6809.3BADA
 - E I 03.6809.3CADA



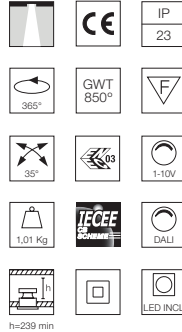
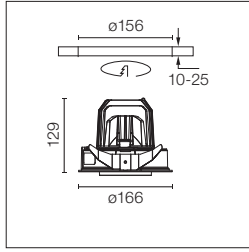
- E I 03.6809.1BA
- E I 03.6809.1CA
- E I Dali Version/1-10V
- E I 03.6809.1BADA
- E I 03.6809.1CADA
- No Trim**
- 03.6824.40A
- 03.6824.06A
- Dali Version/1-10V
- 03.6824.40ADA
- 03.6824.06ADA



LIGHT SUPPLY

Light Supply Adjustable Trim

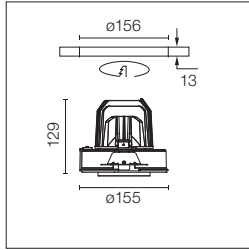
Light Source: LED Array High Performances 30,1W - 2811 lm - 3000K/CRI 90 / 30,1W - 2929 lm - 4000K/CRI 90



Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim

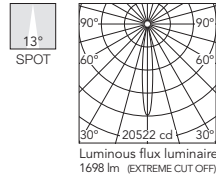


Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 90 Trim

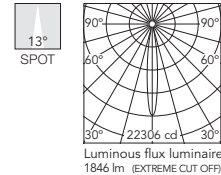
- 03.6806.40A
- 03.6806.14A
- Dali Version/1-10V
- 03.6806.40ADA
- 03.6806.14ADA
- No Trim**
- 03.6821.40A
- 03.6821.14A
- Dali Version/1-10V
- 03.6821.40ADA
- 03.6821.14ADA



h(m)	E(lx)	D(m)
1	20522	0.23
2	5131	0.46
3	2280	0.69
4	1283	0.92
5	821	1.15

4000K - CRI 90 Trim

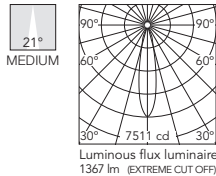
- 03.6803.40A
- 03.6803.14A
- Dali Version/1-10V
- 03.6803.40ADA
- 03.6803.14ADA
- No Trim**
- 03.6818.40A
- 03.6818.14A
- Dali Version/1-10V
- 03.6818.40ADA
- 03.6818.14ADA



h(m)	E(lx)	D(m)
1	22306	0.23
2	5576	0.46
3	2478	0.69
4	1394	0.92
5	892	1.15

3000K - CRI 90 Trim

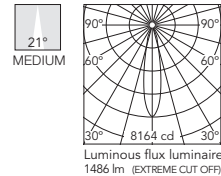
- 03.6807.40A
- 03.6807.14A
- Dali Version/1-10V
- 03.6807.40ADA
- 03.6807.14ADA
- No Trim**
- 03.6822.40A
- 03.6822.14A
- Dali Version/1-10V
- 03.6822.40ADA
- 03.6822.14ADA



h(m)	E(lx)	D(m)
1	7511	0.37
2	1878	0.75
3	835	1.12
4	469	1.49
5	300	1.87

4000K - CRI 90 Trim

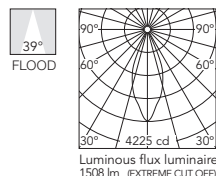
- 03.6804.40A
- 03.6804.14A
- Dali Version/1-10V
- 03.6804.40ADA
- 03.6804.14ADA
- No Trim**
- 03.6819.40A
- 03.6819.14A
- Dali Version/1-10V
- 03.6819.40ADA
- 03.6819.14ADA



h(m)	E(lx)	D(m)
1	8164	0.37
2	2041	0.75
3	907	1.12
4	510	1.49
5	327	1.87

3000K - CRI 90 Trim

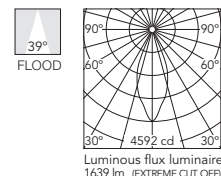
- 03.6808.40A
- 03.6808.14A
- Dali Version/1-10V
- 03.6808.40ADA
- 03.6808.14ADA
- No Trim**
- 03.6823.40A
- 03.6823.14A
- Dali Version/1-10V
- 03.6823.40ADA
- 03.6823.14ADA



h(m)	E(lx)	D(m)
1	4225	0.71
2	1056	1.42
3	469	2.14
4	264	2.85
5	169	3.56

4000K - CRI 90 Trim

- 03.6805.40A
- 03.6805.14A
- Dali Version/1-10V
- 03.6805.40ADA
- 03.6805.14ADA
- No Trim**
- 03.6820.40A
- 03.6820.14A
- Dali Version/1-10V
- 03.6820.40ADA
- 03.6820.14ADA

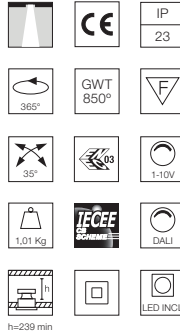
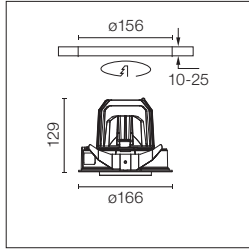


h(m)	E(lx)	D(m)
1	4592	0.71
2	1148	1.42
3	510	2.14
4	287	2.85
5	184	3.56

LIGHT SUPPLY

Light Supply Adjustable Trim

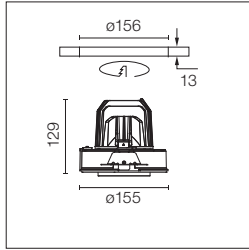
Light Source: LED Array High Performances 30,1W - 3402 lm - 3000K CRI 80



Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

Light Supply Adjustable No Trim

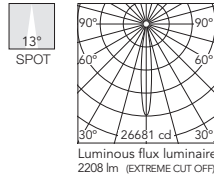


Pre-installation frame or Soft Architecture installation plate for No Trim installation. To be ordered separately.

Marco o Placa Soft Architecture para pre-instalación No Trim. Se ha de pedir por separado.

3000K - CRI 80 Trim

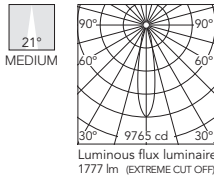
- 03.6800.40A
- 03.6800.14A
- Dali Version/1-10V
- 03.6800.40ADA
- 03.6800.14ADA
- No Trim**
- 03.6815.40A
- 03.6815.14A
- Dali Version/1-10V
- 03.6815.40ADA
- 03.6815.14ADA



h(m)	E(lx)	D(m)
1	26681	0.23
2	6670	0.46
3	2965	0.69
4	1668	0.92
5	1067	1.15

3000K - CRI 80 Trim

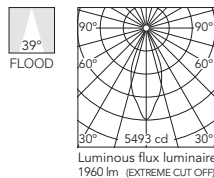
- 03.6801.40A
- 03.6801.14A
- Dali Version/1-10V
- 03.6801.40ADA
- 03.6801.14ADA
- No Trim**
- 03.6816.40A
- 03.6816.14A
- Dali Version/1-10V
- 03.6816.40ADA
- 03.6816.14.ADA



h(m)	E(lx)	D(m)
1	9765	0.37
2	2441	0.75
3	1085	1.12
4	610	1.49
5	391	1.87

3000K - CRI 80 Trim

- 03.6802.40A
- 03.6802.14A
- Dali Version/1-10V
- 03.6802.40ADA
- 03.6802.14ADA
- No Trim**
- 03.6817.40A
- 03.6817.14A
- Dali Version/1-10V
- 03.6817.40ADA
- 03.6817.14ADA

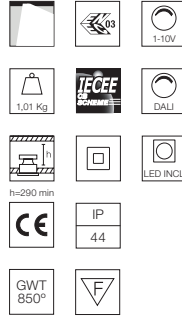
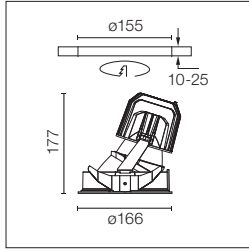


h(m)	E(lx)	D(m)
1	5493	0.71
2	1373	1.42
3	610	2.14
4	343	2.85
5	220	3.56

LIGHT SUPPLY

Light Supply Wall-Washer Trim

Light Source: LED Array High Performances 33,2W - 3770 lm - 3000K/CRI 80 / 33,2W - 3116 lm - 3000K/CRI 90 / 33,2W - 3246 lm - 4000K/CRI 90



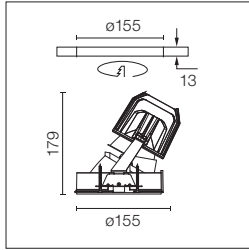
Recessed luminaire with LED light source. Remote 220/240V power supply included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación remota 220/240V incluida.

E= External Finish
I= Internal Finish.

E= Acabado Externo
I= Acabado Interno.

Light Supply Wall-Washer No Trim



Pre-installation frame. To be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

3000K - CRI 90

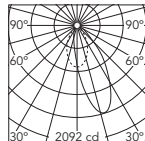
Trim

- E I 03.6814.3BA
- E I 03.6814.3CA
- E I Dali Version/1-10V
- E I 03.6814.3BADA
- E I 03.6814.3CADA

- E I 03.6814.1BA
- E I 03.6814.1CA
- E I Dali Version/1-10V
- E I 03.6814.1BADA
- E I 03.6814.1CADA

No Trim

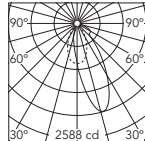
- 03.6829.40A
- 03.6829.06A
- Dali Version/1-10V
- 03.6829.40ADA
- 03.6829.06ADA



Beam Angle: 36°

h(m)	E(lx)	D(m)
1	2092	0.74
2	523	1.48
3	232	2.22
4	131	2.95
5	84	3.69

Luminous flux luminaire
1771 lm (EXTREME CUT OFF)
@White Reflector



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2588	0.67
2	647	1.35
3	288	2.02
4	162	2.69
5	104	3.37

Luminous flux luminaire
1909 lm (EXTREME CUT OFF)
@Aluminium Reflector

4000K - CRI 90

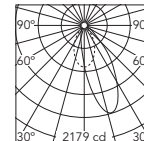
Trim

- E I 03.6813.3BA
- E I 03.6813.3CA
- E I Dali Version/1-10V
- E I 03.6813.3BADA
- E I 03.6813.3CADA

- E I 03.6813.1BA
- E I 03.6813.1CA
- E I Dali Version/1-10V
- E I 03.6813.1BADA
- E I 03.6813.1CADA

No Trim

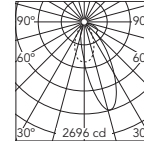
- 03.6828.40A
- 03.6828.06A
- Dali Version/1-10V
- 03.6828.40ADA
- 03.6828.06ADA



Beam Angle: 36°

h(m)	E(lx)	D(m)
1	2179	0.74
2	545	1.48
3	242	2.22
4	136	2.95
5	87	3.69

Luminous flux luminaire
1845 lm (EXTREME CUT OFF)
@White Reflector



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2696	0.67
2	674	1.35
3	300	2.02
4	168	2.69
5	108	3.37

Luminous flux luminaire
1989 lm (EXTREME CUT OFF)
@Aluminium Reflector

3000K - CRI 80

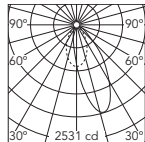
Trim

- E I 03.6812.3BA
- E I 03.6812.3CA
- E I Dali Version/1-10V
- E I 03.6812.3BADA
- E I 03.6812.3CADA

- E I 03.6812.1BA
- E I 03.6812.1CA
- E I Dali Version/1-10V
- E I 03.6812.1BADA
- E I 03.6812.1CADA

No Trim

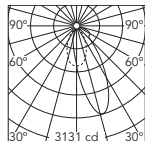
- 03.6827.40A
- 03.6827.06A
- Dali Version/1-10V
- 03.6827.40ADA
- 03.6827.06ADA



Beam Angle: 36°

h(m)	E(lx)	D(m)
1	2531	0.74
2	633	1.48
3	281	2.22
4	158	2.95
5	101	3.69

Luminous flux luminaire
2142 lm (EXTREME CUT OFF)
@White Reflector



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3131	0.67
2	783	1.35
3	348	2.02
4	196	2.69
5	125	3.37

Luminous flux luminaire
2310 lm (EXTREME CUT OFF)
@Aluminium Reflector

LIGHT SUPPLY

Accessories / Accesorios

Pre-installation frame.

Marco de pre-instalación.



Adjustable No Trim
08.8119.00



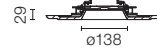
Fixed No Trim
08.8359.00



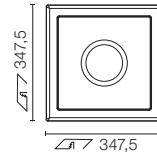
Wall-Washer No Trim
08.8137.00

Soft Architecture installation plate for integration in plasterboard.

Placa Soft Architecture para pre-instalación en superficies de cartón yeso.



Adjustable No Trim
SA.6600.1



For Phosphor LED

Light Supply Adjustable spare reflector.

Reflector intercambiable para Light Supply Adjustable.









Spot
08.8413.00
Medium
08.8414.00
Flood
08.8415.00

LIGHT SUPPLY

Accessories / Accesorios

For LED Array

Light Supply Adjustable spare reflector.	Reflector intercambiable para Light Supply Adjustable.		Spot 08.8450.00 Medium 08.8451.00 Flood 08.8452.00
Screening crosspiece.	Cruceta de apantallamiento.		08.8242.14
Elliptical lens.	Lente elíptica.		08.8118.68
Honeycomb.	Honeycomb.		Small Cells/Celdas Pequeñas 08.8049.14
			Big Cells/Celdas Grandes 08.8377.14
Highly-efficient cylinder.	Cilindro de alta eficiencia.		<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> 08.8453.40 </div> <div style="display: flex; align-items: center;"> <div style="width: 10px; height: 10px; background-color: black; margin-right: 5px;"></div> 08.8453.14 </div>

PURE DOWNLIGHT


DESIGNED BY KNUD HOLSCHER

TRIM / NO TRIM



LIGHT SOURCE
PHOSPHOR
LED
13,6W
1490 lm
3000K/CRI 80
11,9W
1057 lm
3000K/CRI 98

LIGHT SOURCE
POWER LED
15,7W
1400 lm
2700K/CRI 80
3000K/CRI 80

LIGHT SOURCE
QR-CBC 51
GX5.3
max 50W

LED Retrofit Compatible*

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

□ 30 White/RAL 9001
30 Blanco

■ 02 Grey/RAL 9006
02 Gris

■ 14 Black/RAL 9005
14 Negro

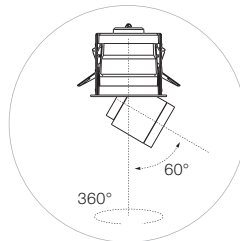
Pure Downlight Trim



Pure Downlight No Trim



Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



PURE DOWNLIGHT

Description

Recessed LED luminaire for indoor application, also available for halogen or LED retrofit lamps. Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4 mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, powder-coated white, grey or black.

Reflectors

All super pure aluminum with specular finish.
Circular rotosymmetrical from 15° spot to 51° wide flood.

Power Supply

Pre-wiring included; ready for remote power supply. Wieland connectors used for discharge control gear providing quick installation time.

Accessories

- 4 mm tempered glass elliptical distribution lens.
- Anti-glare grid in aluminium cells with black liquid paint finish.
- Chromatic filters.

Additional Information

0° - 360° horizontal rotation, 0° - 60° vertical rotation.
IP20 protection grade.
Insulation class I, II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria LED empotrable de interior, también disponible para lámparas halógenas o de LED retrofit. Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4 mm de espesor. El cuerpo, la tapa de cierre y el soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados en pintura polvo de color blanco, gris o negro.

Reflectores

Todas las ópticas están realizadas en aluminio superpuro con acabado especular.
Circular simétrico giratorio. Desde spot 15° hasta wide flood 51°.

Unidades de Alimentación

Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.
Conexión rápida, tipo "Wieland", con la unidad de alimentación para lámparas de descarga.

Accesorios

- Lente de distribución elíptica de vidrio templado de 4 mm.
- Rejilla anti-deslumbramiento realizada en celdas de aluminio.
- Filtros cromáticos.

Información Adicional

Posibilidad de rotación de 360° en el eje horizontal y 60° en el eje vertical.
Índice de protección IP20.
Clase de aislamiento I, II o III, según las versiones.
Instalable sobre superficies normalmente inflamables.

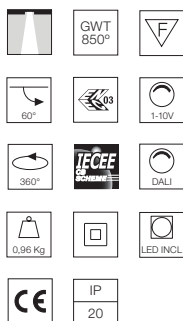
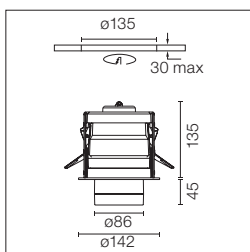
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

PURE DOWNLIGHT

Pure Downlight Trim

Light Source: Phosphor LED 13,6W - 1490 lm - 3000K/CRI 80 / 11,9W - 1057 lm 3000K/CRI 98



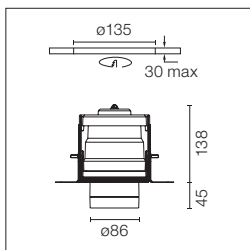
Recessed luminaire with LED light source. Remote electronic transformer 220/240V included.

Installation frame must be ordered separately.

Luminaria empotrable para fuente de luz LED. Transformador electrónico 220/240V remoto incluido.

Marco de instalación. Se ha de pedir por separado.

Pure Downlight No Trim



3000K - CRI 80

Non Dimmable

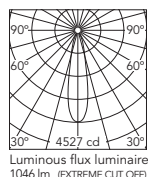
- 09.1635.30C
- 09.1635.02C
- 09.1635.14C

Dali Version

- 09.1635.30CDA
- 09.1635.02CDA
- 09.1635.14CDA

1-10V

- 09.1635.30C1V
- 09.1635.02C1V
- 09.1635.14C1V



Beam Angle: 23°	h(m)	E(lx)	D(m)
1	4527	0.40	
2	1132	0.81	
3	503	1.21	
4	283	1.62	
5	181	2.02	

Luminous flux luminaire 1046 lm (EXTREME CUT OFF)

3000K - CRI 98

Non Dimmable

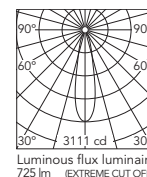
- 09.1630.30C
- 09.1630.02C
- 09.1630.14C

Dali Version

- 09.1630.30CDA
- 09.1630.02CDA
- 09.1630.14CDA

1-10V

- 09.1630.30C1V
- 09.1630.02C1V
- 09.1630.14C1V



Beam Angle: 23°	h(m)	E(lx)	D(m)
1	3111	0.41	
2	778	0.82	
3	346	1.22	
4	194	1.63	
5	124	2.04	

Luminous flux luminaire 725 lm (EXTREME CUT OFF)

3000K - CRI 80

Non Dimmable

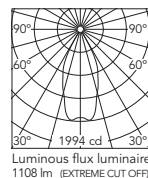
- 09.1636.30C
- 09.1636.02C
- 09.1636.14C

Dali Version

- 09.1636.30CDA
- 09.1636.02CDA
- 09.1636.14CDA

1-10V

- 09.1636.30C1V
- 09.1636.02C1V
- 09.1636.14C1V



Beam Angle: 46°	h(m)	E(lx)	D(m)
1	1994	0.84	
2	499	1.68	
3	222	2.52	
4	125	3.36	
5	80	4.19	

Luminous flux luminaire 1108 lm (EXTREME CUT OFF)

3000K - CRI 98

Non Dimmable

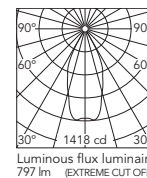
- 09.1631.30C
- 09.1631.02C
- 09.1631.14C

Dali Version

- 09.1631.30CDA
- 09.1631.02CDA
- 09.1631.14CDA

1-10V

- 09.1631.30C1V
- 09.1631.02C1V
- 09.1631.14C1V



Beam Angle: 46°	h(m)	E(lx)	D(m)
1	1418	0.84	
2	355	1.69	
3	158	2.53	
4	89	3.37	
5	57	4.21	

Luminous flux luminaire 797 lm (EXTREME CUT OFF)

3000K - CRI 80

Non Dimmable

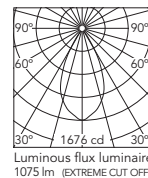
- 09.1637.30C
- 09.1637.02C
- 09.1637.14C

Dali Version

- 09.1637.30CDA
- 09.1637.02CDA
- 09.1637.14CDA

1-10V

- 09.1637.30C1V
- 09.1637.02C1V
- 09.1637.14C1V



Beam Angle: 51°	h(m)	E(lx)	D(m)
1	1676	0.95	
2	419	1.89	
3	186	2.84	
4	105	3.79	
5	67	4.74	

Luminous flux luminaire 1075 lm (EXTREME CUT OFF)

3000K - CRI 98

Non Dimmable

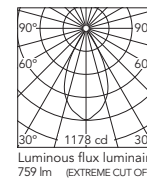
- 09.1632.30C
- 09.1632.02C
- 09.1632.14C

Dali Version

- 09.1632.30CDA
- 09.1632.02CDA
- 09.1632.14CDA

1-10V

- 09.1632.30C1V
- 09.1632.02C1V
- 09.1632.14C1V



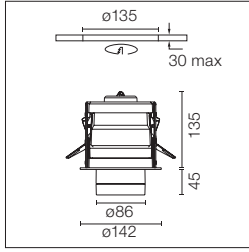
Beam Angle: 51°	h(m)	E(lx)	D(m)
1	1178	0.95	
2	295	1.91	
3	131	2.86	
4	74	3.82	
5	47	4.77	

Luminous flux luminaire 759 lm (EXTREME CUT OFF)

PURE DOWNLIGHT

Pure Downlight Trim

Light Source: Power LED DC 700 mA - 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI80



Recessed luminaire with LED light source. Power supply not included

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Installation frame must be ordered separately.

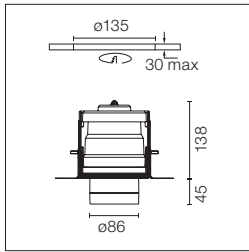
Marco de instalación. Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

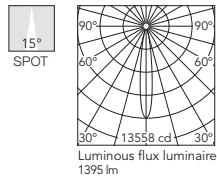
Non Dimmable	60.9312
Dimmable 1-10V	60.8533
Dimmable Dali	60.8847
Mains Dimming	60.8534

* Refer to the Drivers chapter / Ver capítulo Drivers

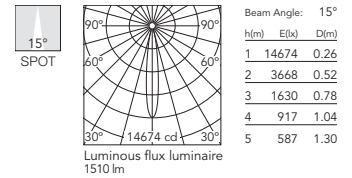
Pure Downlight No Trim



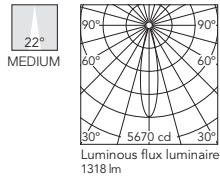
2700K - CRI 80
 09.1640.30B
 09.1640.02B
 09.1640.14B



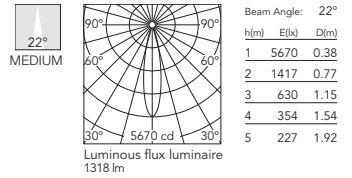
3000K - CRI 80
 09.1645.30B
 09.1645.02B
 09.1645.14B



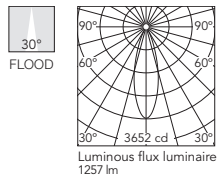
2700K - CRI 80
 09.1641.30B
 09.1641.02B
 09.1641.14B



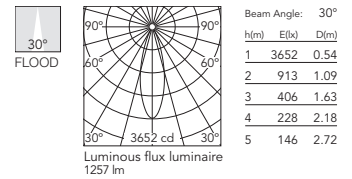
3000K - CRI 80
 09.1646.30B
 09.1646.02B
 09.1646.14B



2700K - CRI 80
 09.1642.30B
 09.1642.02B
 09.1642.14B



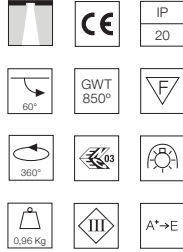
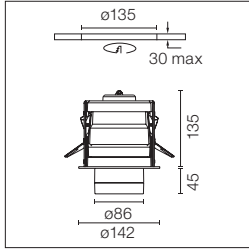
3000K - CRI 80
 09.1647.30B
 09.1647.02B
 09.1647.14B



PURE DOWNLIGHT

Pure Downlight Trim

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



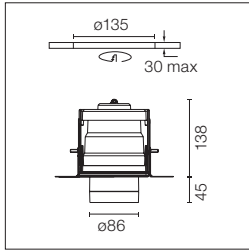
Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

Installation frame must be ordered separately.

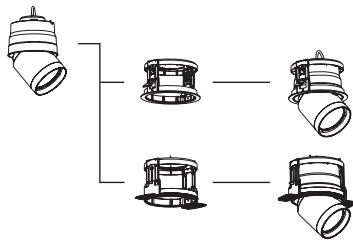
Marco de instalación. Se ha de pedir por separado.

Pure Downlight No Trim



- 09.1600.30
- 09.1600.02
- 09.1600.14

Accessories / Accesorios



Trim

Example / Ejemplo:
09.1630.30 + 08.8149.30 = TRIM

No Trim

Example / Ejemplo:
09.1630.30 + 08.8152.00 = NO TRIM

Installation frame.

Marco de instalación.



- Pure Downlight Trim
- 08.8149.30
- 08.8149.02
- 08.8149.14

- Pure Downlight No Trim
- 08.8152.00

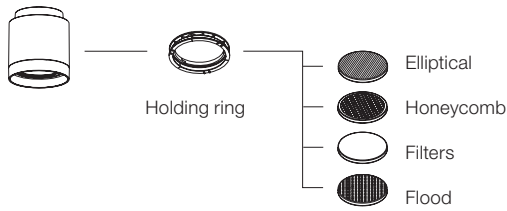
* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

PURE DOWNLIGHT

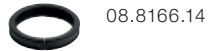
Accessories / Accesorios

Elliptical lens, honeycomb filter, different filters and flood lens, must always be used with the holding ring using the correct diameter.

Los accesorios: lente de distribución elíptica, elemento apantallador, los diferentes filtros y la lente flood deben ser utilizados siempre con el aro soporte, de su diámetro correspondiente.



Holding ring
Aro soporte



Elliptical lens
Lente elíptica



08.8163.68

Flood lens
Lente flood



08.8175.68

Honeycomb
Honeycomb



08.8169.14

Blue filter
Filtro azul



08.8160.64.OD

Sky blue filter
Filtro celeste



08.8160.65.OD

Amber filter
Filtro ámbar



08.8160.66.OD

Red filter
Filtro rojo



08.8160.67.OD

U.V. filter
Filtro anti U.V.



08.8160.98.OD

I.R. filter
Filtro anti I.R.



08.8160.68

Hot light
Hot light



08.8160.69

Cold light
Cold light



08.8160.CL

Daylight
Daylight



08.8160.DL

Neodimium
Neodimium



08.8160.ND

Pure Downlight external ring
accessory PRO. Only for
halogen lamps, consult for
LED version.




08.8232.30
08.8232.02
08.8232.14

Aro exterior PRO para
Pure Downlight. Solo para
versiones de halógenos,
consultar para versión LED.

COMPASS

DESIGNED BY FLOS ARCHITECTURAL

<p>ADJUSTABLE Ø90</p>  <p>LIGHT SOURCE PAR 16 GZ10 max 50W</p> <p>LIGHT SOURCE QR-CBC 51 GX5.3 max 50W</p>  <p>LED Retrofit Compatible*</p>	<p>OPAL Ø90</p>  <p>LIGHT SOURCE QT-12 GY6.35 max 50W</p>	<p>FIXED Ø90</p>  <p>LIGHT SOURCE QR-CBC 51 GX5.3 max 50W</p>  <p>LED Retrofit Compatible*</p>	<p>IP65 Ø95</p>  <p>LIGHT SOURCE QR-CBC 51 GX5.3 max 50W</p>  <p>LED Retrofit Compatible*</p>	<p>ADJUSTABLE Ø162</p>  <p>LIGHT SOURCE QR-111 G53 max 100W</p>  <p>LED Retrofit Compatible*</p>
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* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

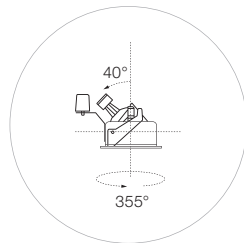
□ 30 Matt White/RAL 9001
30 Blanco Mate

■ 02 Grey/RAL 9006
02 Gris

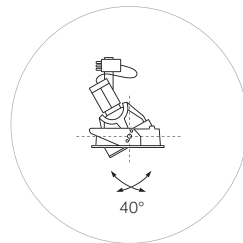
■ 14 Matt Black/RAL 9005
14 Negro Mate



Compass Ø90



Compass Ø162



Description

Luminaire for halogen or LED retrofit lamps.

- Fixed:

Recessed body in black-painted metal. Die-cast aluminum alloy, powder-coated closing ring. Die-cast aluminum lamp support with heat dissipating element. Black thermoplastic anti-glare ring, 4 mm tempered glass cover. Stainless steel fixing brackets.

- Adjustable:

Injection-moulded aluminum reflector body with powder-coated finish. Lamp support with die-cast aluminum, black powder-coated heat dissipating element. Thermoplastic recessed ring and screening ring; die-cast aluminum, black powder-coated anti-glare ring. 4 mm tempered glass cover. Stainless steel fixing brackets.

Accessories

- Black Teflon screening cylinders on stainless steel support.

- Screening cylinder with black thermoplastic rotating pin.

- 4 mm tempered glass elliptical distribution lens.

- Chromatic filters.

Additional Information

Compass-type adjustment system, for 0° - 40° adjustment in all directions.

IP23, IP43, IP44, IP65 protection grade depending on the versions.

Insulation class II, III depending on the versions.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria para lámparas halógenas o de LED retrofit.

- Fija:

Cuerpo para empotrar de metal barnizado de color negro. Anillo de cierre en aleación de aluminio inyectado a presión y pintado con barniz en polvo. Portalámparas con elemento disipador en aluminio inyectado a presión. Anillo antirreflejos de material termoplástico negro. Cristal de protección templado de 4 mm de espesor. Sistema de fijación mediante soportes de acero inoxidable.

- Orientable:

Cuerpo óptico realizado por inyección de aluminio, acabado pintado con barniz en polvo. Portalámparas con elemento disipador en aluminio inyectado a presión pintado con barniz en polvo de color negro. Aro para empotrar y aro de protección de material termoplástico; aro antirreflejos de aluminio inyectado a presión pintado con barniz en polvo de color negro. Cristal de protección templado de 4 mm de espesor. Sistema de fijación mediante soportes de acero inoxidable.

Accesorios

- Cilindros de protección de Teflón negro fijados sobre soporte de acero inoxidable.

- Cilindro de protección con clavija giratoria de material termoplástico negro.

- Lente de distribución elíptica de cristal templado de 4 mm.

- Filtros cromáticos.

Información Adicional

Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones.

Índice de protección IP23, IP43, IP44, IP65, según las versiones.

Clase de aislamiento II, III, según las versiones.

Instalables sobre superficies normalmente inflamables.

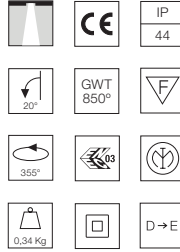
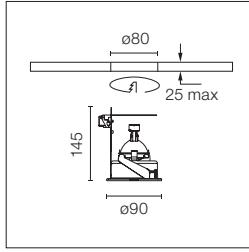
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

COMPASS

Compass Adjustable Ø90

Light Source: PAR 16 GZ10 - max 50W



Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

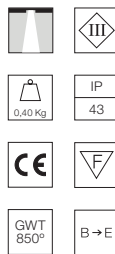
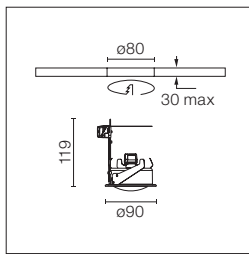
Light fixture with screen angle greater than 25°, as per CIBSE LG3 (L<200 cd/m2).

Aparato de iluminación con un ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m2).

- 03.3506.30
- 03.3506.02
- 03.3506.14

Compass Opal C Ø90

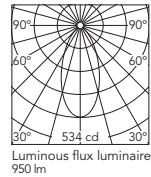
Light Source: QT-12 GY6.35 - max 50W



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

- 03.3539.30
- 03.3539.02
- 03.3539.14



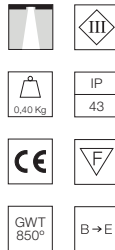
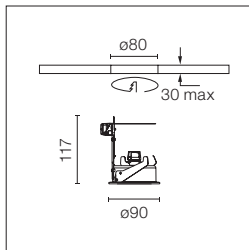
Beam Angle: 49°

h(m)	E(lx)	D(m)
1	534	0.90
2	134	1.80
3	59	2.71
4	33	3.61
5	21	4.51

Luminous flux luminaire 950 lm

Compass Opal P Ø90

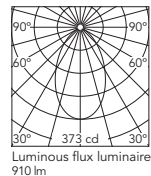
Light Source: QT-12 GY6.35 - max 50W



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

- 03.3538.30
- 03.3538.02
- 03.3538.14



Beam Angle: 64°

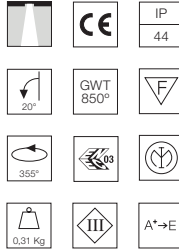
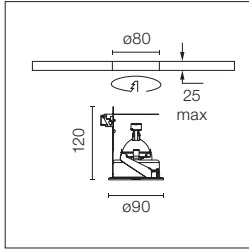
h(m)	E(lx)	D(m)
1	373	1.25
2	93	2.50
3	41	3.75
4	23	5.00
5	15	6.24

Luminous flux luminaire 910 lm

COMPASS

Compass Adjustable Ø90

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

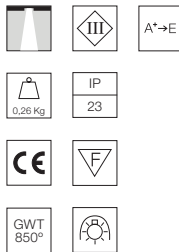
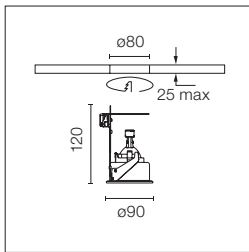
Light fixture with screen angle greater than 25°, as per CIBSE LG3 (L<200 cd/m²).

Aparato de iluminación con un ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m²).

- 03.3505.30
- 03.3505.02
- 03.3505.14

Compass Fixed Ø90

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

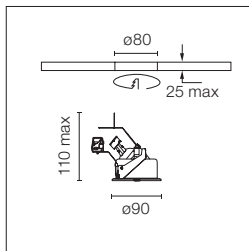
Light fixture with screen angle greater than 25°, as per CIBSE LG3 (L<200 cd/m²).

Aparato de iluminación con un ángulo de apantallamiento superior a 25°, según norma CIBSE LG3 (L<200 cd/m²).

- 03.3507.30
- 03.3507.02
- 03.3507.14

Compass Adjustable Ø90

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

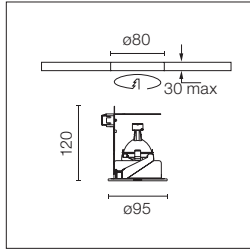
- 03.3508.30
- 03.3508.02
- 03.3508.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

COMPASS

Compass IP65 Ø95

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



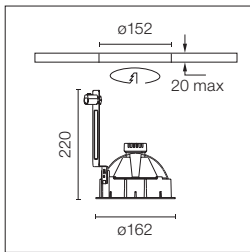
Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

- 03.3502.30
- 03.3502.02
- 03.3502.14

Compass Adjustable Ø162

Light Source: QR-111 G53 - max 100W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

- 03.3520.30
- 03.3520.02
- 03.3520.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

COMPASS

Accessories / Accesorios

Refs: 3502 / 3505 / 3506 / 3507 / 3508

Compas Ø90/Ø95

Elliptical lens Lente elíptica		08.8041.68
Blue filter Filtro azul		08.8042.64.OD
Sky blue filter Filtro celeste		08.8042.65.OD
Amber filter Filtro ámbar		08.8042.66.OD
Red filter Filtro rojo		08.8042.67.OD
U.V. filter Filtro anti U.V.		08.8042.98.OD
I.R. filter Filtro anti I.R.		08.8042.68
Hot light Hot light		08.8042.69
Cold light Cold light		08.8042.CL
Daylight Daylight		08.8042.DL
Neodimium Neodimium		08.8042.ND

Compas Ø162

Screening crosspiece Cruzeta de apantallamiento		08.8034.14
Elliptical lens Lente elíptica		08.8930.68
Anti-glare grid Rejilla anti-deslumbramiento		08.8036.14
Flood lens Lente flood		08.8931.68
Blue filter Filtro azul		08.8932.64.OD
Sky blue filter Filtro celeste		08.8932.65.OD
Amber filter Filtro ámbar		08.8932.66.OD
Red filter Filtro rojo		08.8932.67.OD
U.V. filter Filtro anti U.V.		08.8932.98.OD
I.R. filter Filtro anti I.R.		08.8933.68
Hot light Hot light		08.8932.69
Cold light Cold light		08.8932.CL
Daylight Daylight		08.8932.DL
Neodimium Neodimium		08.8932.ND

ANTHONY DOWNLIGHT

DESIGNED BY ANTONIO CITTERIO



LIGHT SOURCE
POWER LED
10W
905 lm
2700K/CRI 90
975 lm
3000K/CRI 90

□ 40 White
40 Blanco

■ 05 Chrome
05 Cromo

■ 14 Black
14 Negro



Description

Downlight designed by Antonio Citterio for installation in ceilings, with state-of-the-art power LED technology. Light fitting with highly versatile revolving (360°) and tilt (40°) system, enabling it to be accurately oriented towards illuminated objects. The finishes available have the light fitting heads in white, chrome and black, while the embedded body is always in white. This new version has honeycomb, elliptical and flood options.

Power Supply

Direct current power source not included Available in non-adjustable versions and DALI for network voltages 110Vac and 230Vac.

Additional Information

IP20 protection grade.
Insulation class III.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Downlight diseñado por Antonio Citterio para instalación empotrada en techos, con tecnología power LED de última generación. Luminaria dotada de sistema de giro (360°) y basculación (40°) de gran versatilidad, permitiendo su orientación precisa hacia objetos iluminados. Los acabados disponibles ofrecen la cabeza de la luminaria en decorados, blanco, cromo y negro, mientras que el cuerpo de empotramiento se ofrece siempre en blanco. Esta nueva versión cuenta con filtros honeycomb, elíptico y flood opcionales.

Unidades de Alimentación

Fuente de alimentación de corriente constante no incluida. Disponibles en versiones no regulables y DALI tanto para tensiones de red de 110Vac como 230Vac.

Información Adicional

Índice de protección IP20.
Clase de aislamiento III.

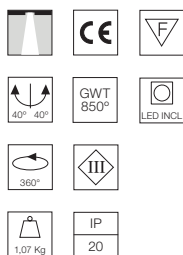
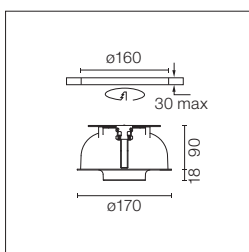
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

ANTHONY DOWNLIGHT

Anthony Downlight

Light Source: Power LED DC 900mA - 10W - 905 lm - 2700K/CRI 90 / 10W - 975 lm - 3000K/CRI 90



High-performance embedded light fixture for LED light source. Remote 220-240V power supply not included.

Empotrable de altas prestaciones para fuente de luz LED. Fuente de alimentación remota 220-240V no incluida.

Standard trim cove in white for all finishes; black finish available under request.

Cuerpo empotrado acabado en blanco para todos los decorados; acabado en negro disponible bajo pedido.

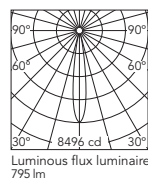
Recommended power supply / Equipos recomendados*:

Non Dimmable 110-240V (900mA)	60.9233
Dimmable Dali 2 220-240V	60.9186
Dimmable Dali/1-10V/Push	60.8530
Dimmable 0-10V 220-240V	60.9188
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.6415.40B
- 03.6415.05B
- 03.6415.14B

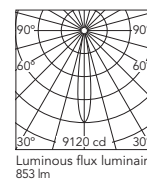


Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	8496	0.27
2	2124	0.54
3	944	0.81
4	531	1.09
5	340	1.36

Luminous flux luminaire
795 lm

3000K

- 03.6416.40B
- 03.6416.05B
- 03.6416.14B

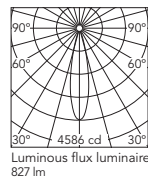


Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	9120	0.27
2	2280	0.54
3	1013	0.81
4	570	1.09
5	365	1.36

Luminous flux luminaire
853 lm

2700K

- 03.6417.40B
- 03.6417.05B
- 03.6417.14B

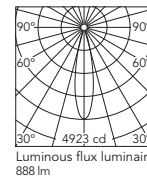


Beam Angle: 22°		
h(m)	E(lx)	D(m)
1	4586	0.40
2	1147	0.79
3	510	1.19
4	287	1.58
5	183	1.98

Luminous flux luminaire
827 lm

3000K

- 03.6418.40B
- 03.6418.05B
- 03.6418.14B



Beam Angle: 22°		
h(m)	E(lx)	D(m)
1	4923	0.40
2	1231	0.79
3	547	1.19
4	308	1.58
5	197	1.98

Luminous flux luminaire
888 lm

Accessories / Accesorios

Elliptical lens.

Lente elíptica.



08.8418.68A

Honeycomb.

Honeycomb.



08.8419.14A

Flood lens.

To obtain flood optics (35°) order Anthony Downlight Medium + flood lens.

Lente flood.

Para alcanzar óptica flood (35°) pedir Anthony Downlight Medium + lente flood.



08.0050.00

WAN DOWNLIGHT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80



LIGHT SOURCE
QT-14
G9
max 40W

30 White
30 Blanco

05 Polished Aluminium
05 Aluminio Pulido

14 Black
14 Negro

GN Green
GN Verde



Description

Ceiling recessed luminary providing direct light. Aluminum ring, available in chrome, shiny white, enameled green, and shiny black finishes. Low glare shield. Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors

Sanded and chemically bleached aluminum reflector.

Power Supply

Pre-wiring included; ready for remote power supply.

Additional Information

IP44 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de luz directa para ser instalada empotrada a techo. Aro de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante. Incorpora como antideslumbramiento.

El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en acabado negro brillante o verde esmaltado.

Reflectores

Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación

Luminaria precableada para ser alimentada mediante equipo remoto.

Información Adicional

Índice de protección IP44.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

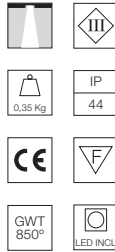
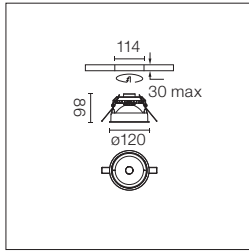
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

WAN DOWNLIGHT

Wan Downlight

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included.

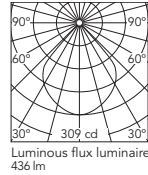
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6154.30A
- 03.6154.05A
- 03.6154.14A
- 03.6154.GNA

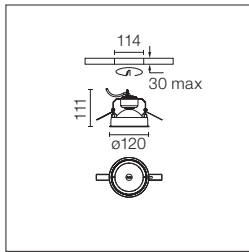


Beam Angle: 83°

h(m)	E(lx)	D(m)
1	309	1.77
2	77	3.55
3	34	5.32
4	19	7.09
5	12	8.87

Wan Downlight

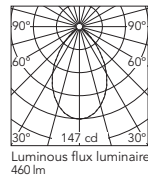
Light Source: QT-14 G9 - max 40W



Recessed luminaire with main voltage source.

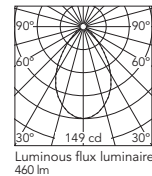
Luminaria empotrable con alimentación directa a red.

- 03.6150.30
- 03.6150.05
- 03.6150.14
- 03.6150.GN



Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75



Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

LIGHT SOLDIER

DESIGNED BY FLOS ARCHITECTURAL

FIXED
Ø75



ADJUSTABLE
Ø90



LIGHT SOURCE
LED ARRAY
9,2W
893 lm
2700K/CRI 90
810 lm
3000K/CRI 90

□ 30 White
30 Blanco



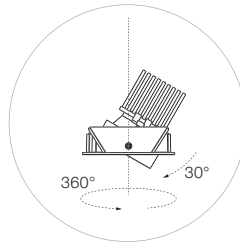
■ 02 Grey
02 Gris



■ 14 Black
14 Negro



Can be rotated 360° and swivelled 30°.
Puede ser rotado 360° y orientado 30°.



LIGHT SOLDIER

Description

Embedded light fixtures for LED light source available in fixed or tilt versions. Comprised of a round hoop at the front made of aluminium, next to a ring made of black thermoplastic material, giving great visual comfort.

Reflectors

Made of plastic, with openings of 18° - 26° and 56°.

Power Supply

Constant current power supply not included.

Accessories

With plastic diffuser to enhance light uniformity and improve visual comfort incorporated into the light fixture.

Additional Information

IP20 protection grade.

Insulation class III.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias empotrables para fuente de luz LED disponibles en versión fija o basculante. Se componen de un aro frontal redondo realizado en aluminio junto a un anillo de material termoplástico negro que ofrece un alto confort visual.

Reflectores

Realizados en plástico, con aperturas de 18° - 26° y 56°.

Unidades de alimentación

Fuente de alimentación de corriente constante no incluida.

Accesorios

Dispone de un difusor realizado en plástico que mejora la uniformidad de la luz y mejora el confort visual incluido en la luminaria.

Información Adicional

Índice de protección IP20.

Clase de aislamiento III.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

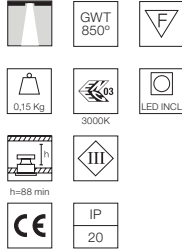
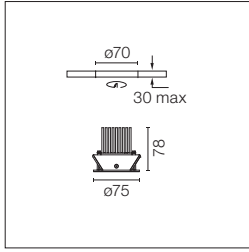
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



LIGHT SOLDIER

Light Soldier Fixed Ø75

Light Source: LED Array DC 500 mA - 9,2W - 893 lm - 2700K/CRI 90 / 9,2W - 810 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included.

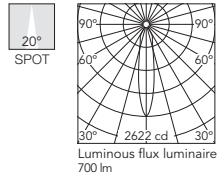
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

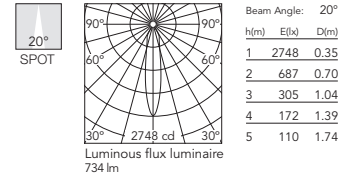
Non Dimmable 500mA	60.9160
Non Dimmable MC	60.9162
Dimmable 1-10V MC	60.9188
Dimmable Dali 1 MC	60.8847
Dimmable Dali 2 MC	60.9222
Mains Dimming MC	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

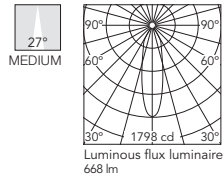
- 2700K**
- 03.4311.30A
 - 03.4311.02A
 - 03.4311.14A



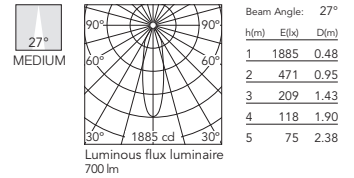
- 3000K**
- 03.4300.30B
 - 03.4300.02B
 - 03.4300.14B



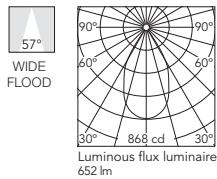
- 2700K**
- 03.4312.30A
 - 03.4312.02A
 - 03.4312.14A



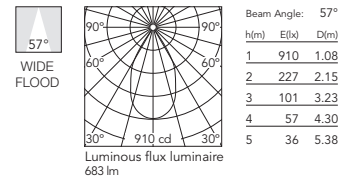
- 3000K**
- 03.4301.30B
 - 03.4301.02B
 - 03.4301.14B



- 2700K**
- 03.4313.30A
 - 03.4313.02A
 - 03.4313.14A



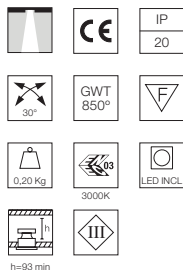
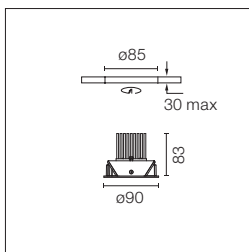
- 3000K**
- 03.4302.30B
 - 03.4302.02B
 - 03.4302.14B



LIGHT SOLDIER

Light Soldier Adjustable Ø90

Light Source: LED Array DC 500 mA - 9,2W - 893 lm - 2700K/CRI 90 / 9,2W - 810 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

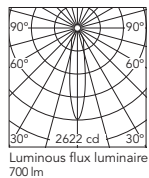
Recommended power supply / Equipos recomendados*:

Non Dimmable 500mA	60.8650
Non Dimmable MC	60.9162
Dimmable 1-10V MC	60.8533
Dimmable Dali MC	60.9186
Mains Dimming MC	60.8534

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K

- 03.4331.30A
- 03.4331.02A
- 03.4331.14A

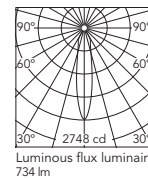


Beam Angle: 20°	h(m)	E(lx)	D(m)
1	2622	0.35	
2	655	0.70	
3	291	1.04	
4	164	1.39	
5	105	1.74	

Luminous flux luminaire 700 lm

3000K

- 03.4320.30B
- 03.4320.02B
- 03.4320.14B

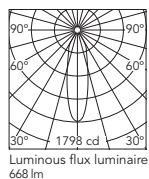


Beam Angle: 20°	h(m)	E(lx)	D(m)
1	2748	0.35	
2	687	0.70	
3	305	1.04	
4	172	1.39	
5	110	1.74	

Luminous flux luminaire 734 lm

2700K

- 03.4332.30A
- 03.4332.02A
- 03.4332.14A

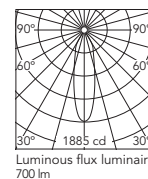


Beam Angle: 27°	h(m)	E(lx)	D(m)
1	1798	0.48	
2	450	0.95	
3	200	1.43	
4	112	1.90	
5	72	2.38	

Luminous flux luminaire 668 lm

3000K

- 03.4321.30B
- 03.4321.02B
- 03.4321.14B

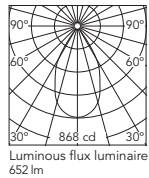


Beam Angle: 27°	h(m)	E(lx)	D(m)
1	1885	0.48	
2	471	0.95	
3	209	1.43	
4	118	1.90	
5	75	2.38	

Luminous flux luminaire 700 lm

2700K

- 03.4333.30A
- 03.4333.02A
- 03.4333.14A

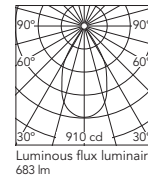


Beam Angle: 57°	h(m)	E(lx)	D(m)
1	868	1.08	
2	217	2.15	
3	96	3.23	
4	54	4.30	
5	35	5.38	

Luminous flux luminaire 652 lm

3000K

- 03.4322.30B
- 03.4322.02B
- 03.4322.14B



Beam Angle: 57°	h(m)	E(lx)	D(m)
1	910	1.08	
2	227	2.15	
3	101	3.23	
4	57	4.30	
5	36	5.38	

Luminous flux luminaire 683 lm

Driver current (mA)	2700K		3000K	
	Luminous flux (lm)	Power (W)	Luminous flux (lm)	Power (W)
350	521	6,2	545	6,2
500	893	9,2	810	9,2

DECOFIX

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ROUND 1L



ROUND 2L



SQUARE 1L



SQUARE 2L



LIGHT SOURCE
LED ARRAY
9,2W
744 lm
2700K/CRI 90
945 lm
3000K/CRI 80

□ 30 White
30 Blanco

■ 14 Black
14 Negro



Screening Cylinder Colours (included)
Colores del Cilindro Apantallador (incluidos)

■ Silver
Plata

■ Gold
Oro

■ Black
Negro



DECOFIX

Description

Fixed embedded light fixtures with 1 and 2 lights, for LED light source.
Great visual comfort due to rear position of light source. Available in square and round versions in a matt white and black finish.
They are made up of a body made in aluminium and fixing springs to the ceiling. They have a radiator for each LED made out of injected aluminium.

Reflectors

Made of metallized plastic.

Power Supply

Constant current power supply not included.

Accessories

All versions have interchangeable screening cylinders in 3 colours: black, gold or silver, incorporated into the light fixture.
With a plastic diffuser to enhance light uniformity and improve visual comfort, incorporated into the light fixture.

Additional Information

IP20 protection grade.
Insulation class III.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminarias empotrables fijas de 1 y 2 luces, para fuente de iluminación LED.
Ofrece un alto confort visual debido a la posición retrasada de la fuente de luz. Disponibles en versiones cuadradas y redondas en acabado blanco y negro mate.
Se componen de un cuerpo realizado en aluminio y muelles de sujeción a techo. Disponen de un radiador para cada LED realizado en aluminio inyectado.

Refletores

Realizados en plástico metalizado.

Unidades de Alimentación

Fuente de alimentación de corriente constante no incluida.

Accesorios

Todas la versiones disponen de cilindro apantallador en 3 colores: negro, oro o plata intercambiables entre sí, incluidos dentro de la luminaria.
Incorpora además, un difusor realizado en plástico que mejora la uniformidad de la luz y mejora el confort visual, incluido en la luminaria.

Información Adicional

Índice de protección IP20.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

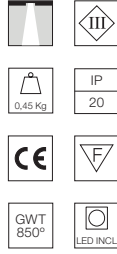
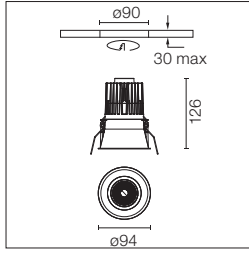
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



DECOFIX

Decofix Round 1L

Light Source: LED Array DC 500 mA - 9,2W - 744 lm - 2700K/CRI 90 / 9,2W - 945 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included.

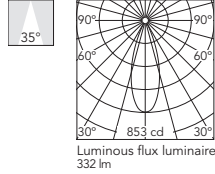
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

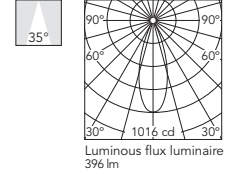
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3111.30A



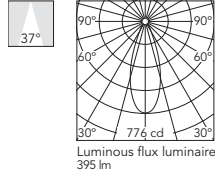
h(m)	E(lx)	D(m)
1	853	0.63
2	213	1.26
3	95	1.88
4	53	2.51
5	34	3.14

3000K
09.3110.30A



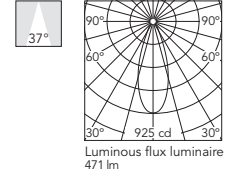
h(m)	E(lx)	D(m)
1	1016	0.63
2	254	1.26
3	113	1.88
4	63	2.51
5	41	3.14

2700K
09.3111.14A



h(m)	E(lx)	D(m)
1	776	0.67
2	194	1.34
3	86	2.02
4	49	2.69
5	31	3.36

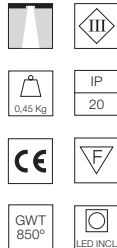
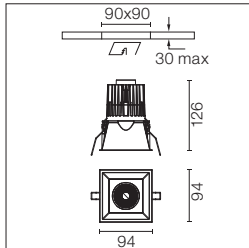
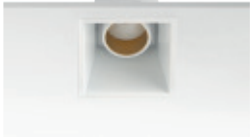
3000K
09.3110.14A



h(m)	E(lx)	D(m)
1	925	0.67
2	231	1.34
3	103	2.02
4	58	2.69
5	37	3.36

Decofix Square 1L

Light Source: LED Array DC 500 mA - 9,2W - 744 lm - 2700K/CRI 90 / 9,2W - 945 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included.

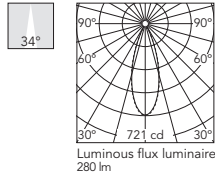
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

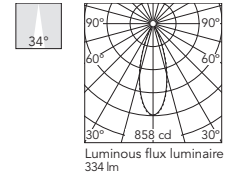
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3101.30A



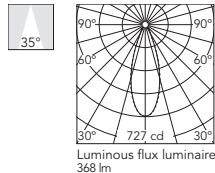
h(m)	E(lx)	D(m)
1	721	0.61
2	180	1.21
3	80	1.82
4	45	2.42
5	29	3.03

3000K
09.3100.30A



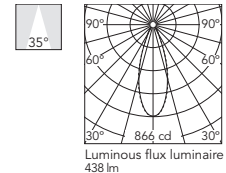
h(m)	E(lx)	D(m)
1	858	0.61
2	215	1.21
3	95	1.82
4	54	2.42
5	34	3.03

2700K
09.3101.14A



h(m)	E(lx)	D(m)
1	727	0.64
2	182	1.28
3	81	1.92
4	45	2.55
5	29	3.19

3000K
09.3100.14A

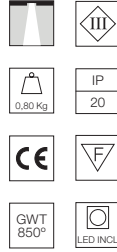
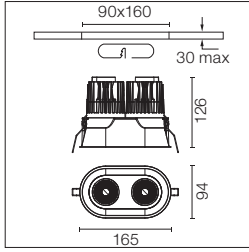


h(m)	E(lx)	D(m)
1	866	0.64
2	216	1.28
3	96	1.92
4	54	2.55
5	35	3.19

DECOFIX

Decofix Round 2L

Light Source: LED Array DC 500 mA - 2x9,2W - 2x744 lm - 2700K/CRI 90 / 2x9,2W - 2x945 lm - 3000K/CRI 80



Recessed luminaire with 2 lights for LED light source. Power supply not included. Requires one power supply for each optic body.

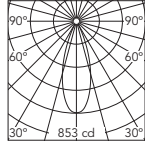
Luminaria empotrable de 2 luces para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
□ 09.3116.30A

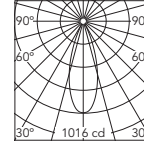


Beam Angle: 35°

h(m)	E(lx)	D(m)
1	853	0.63
2	213	1.26
3	95	1.88
4	53	2.51
5	34	3.14

Luminous flux luminaire 332 lm

3000K
□ 09.3115.30A

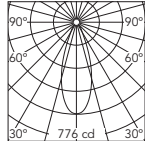


Beam Angle: 35°

h(m)	E(lx)	D(m)
1	1016	0.63
2	254	1.26
3	113	1.88
4	63	2.51
5	41	3.14

Luminous flux luminaire 396 lm

2700K
■ 09.3116.14A

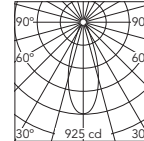


Beam Angle: 37°

h(m)	E(lx)	D(m)
1	776	0.67
2	194	1.34
3	86	2.02
4	49	2.69
5	31	3.36

Luminous flux luminaire 395 lm

3000K
■ 09.3115.14A



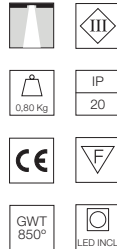
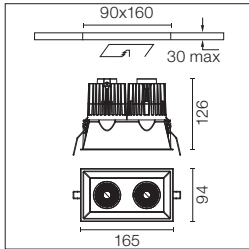
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	925	0.67
2	231	1.34
3	103	2.02
4	58	2.69
5	37	3.36

Luminous flux luminaire 471 lm

Decofix Square 2L

Light Source: LED Array DC 500 mA - 2x9,2W - 2x744 lm - 2700K/CRI 90 / 2x9,2W - 2x945 lm - 3000K/CRI 80



Recessed luminaire with 2 lights for LED light source. Power supply not included. Requires one power supply for each optic body included.

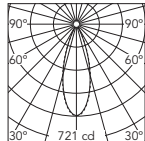
Luminaria empotrable de 2 luces para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
□ 09.3106.30A

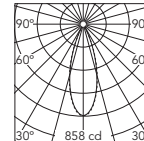


Beam Angle: 34°

h(m)	E(lx)	D(m)
1	721	0.61
2	180	1.21
3	80	1.82
4	45	2.42
5	29	3.03

Luminous flux luminaire 280 lm

3000K
□ 09.3105.30A

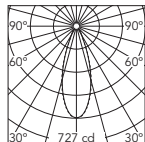


Beam Angle: 34°

h(m)	E(lx)	D(m)
1	858	0.61
2	215	1.21
3	95	1.82
4	54	2.42
5	34	3.03

Luminous flux luminaire 334 lm

2700K
■ 09.3106.14A

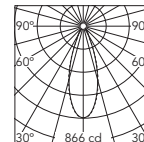


Beam Angle: 35°

h(m)	E(lx)	D(m)
1	727	0.64
2	182	1.28
3	81	1.92
4	45	2.55
5	29	3.19

Luminous flux luminaire 368 lm

3000K
■ 09.3105.14A







Beam Angle: 35°

h(m)	E(lx)	D(m)
1	866	0.64
2	216	1.28
3	96	1.92
4	54	2.55
5	35	3.19

Luminous flux luminaire 438 lm

JOHNNY

DESIGNED BY FLOS ARCHITECTURAL

<p>JOHNNY 80 TRIM / NO TRIM 1L ROUND 1L/2L SQUARE</p>  <p>LIGHT SOURCE POWER LED 6,2W 560 lm 2700K/CRI 90 600 lm 3000K/CRI 90</p>	<p>JOHNNY 80 SEMI-RECESSED 1L/2L SQUARE</p>  <p>LIGHT SOURCE POWER LED 6,2W 560 lm 2700K/CRI 90 600 lm 3000K/CRI 90</p>	<p>JOHNNY 120 TRIM / NO TRIM 1L ROUND 1L/2L SQUARE</p>  <p>LIGHT SOURCE LED ARRAY LED ARRAY HIGH PERFORMANCE 18W 1555 lm 2700K/CRI 90 1600 lm 3000K/CRI 90</p>	<p>JOHNNY 120 SEMI-RECESSED 1L/2L SQUARE</p> 
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<p>Johnny 80 Trim / No Trim</p>  <p>□ 40 White 40 Blanco ■ 14 Black 14 Negro</p>	<p>Johnny 120 Trim</p>  <p>□ White Blanco ■ Black Negro</p>	<p>Johnny 120 No Trim</p>  <p>■ Black Negro</p>
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Inside / Interior

□ White Blanco ■ Black Negro

Outside / Exterior

□ 40 White 40 Blanco ■ CE Concrete CE Cemento ■ TK Teak TK Teca ■ 14 Black 14 Negro

Johnny 80 Semi-Recessed

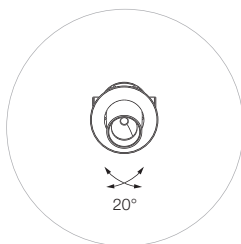


Johnny 120 Semi-Recessed

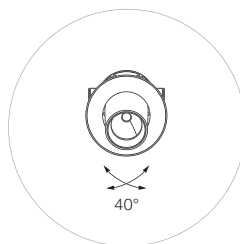


Can be rotated in any direction
Puede ser rotado en cualquier dirección.

Johnny 80



Johnny 120



JOHNNY

Description

Illumination system consisting of one or two adjustable lights, in the embedded version (Trim and No Trim) and semi-embedded version to be installed on the ceiling. Available in two sizes: 80 mm and 120 mm in round and square versions.

An exclusive, easy and adjustable system that enables an accurate adjustment of the light beam.

Power Supply

Remote constant power supply 220/240V not included.

Accessories

Johnny 80:

- Screening crosspiece and honeycomb included in the product

Johnny 120:

- Screening crosspiece

- Honeycomb

- Elliptical lens

- Flood lens

Additional Information

The Johnny 80 version has a orientation system integrated into the telescopic body.

IP20 protection grade.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Sistema de iluminación de uno o dos focos orientables, en versión empotrada (Trim y No Trim) y semi-empotrada para ser instalado en techo.

Disponible en dos tamaños: 80 mm y 120 mm en versiones redonda y cuadrada.

Sistema de orientación exclusivo de fácil fijación permitiendo la precisa orientación del haz de luz.

Unidades de Alimentación

Fuente de alimentación de corriente constante 220/240V remota no incluida.

Accesorios

Johnny 80:

- Cruceta de apantallamiento y honeycomb incluidos en el producto

Johnny 120:

- Cruceta de apantallamiento

- Honeycomb

- Lente elíptica

- Lente flood

Información Adicional

Sistema de orientación integrado en cuerpo telescópico para la versión Johnny 80.

Índice de protección IP20.

Instalable en superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Johnny 80
1L Trim



Johnny 80
1L No Trim



Johnny 80
2L Trim



Johnny 80
2L No Trim



Johnny 80
Semi-Recessed



Johnny 120
Trim



Johnny 120
No Trim

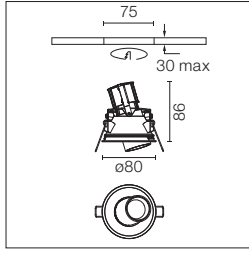


Johnny 120
Semi-Recessed

JOHNNY 80

Johnny Ø80 Trim 1L Round

Light Source: Power LED 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90



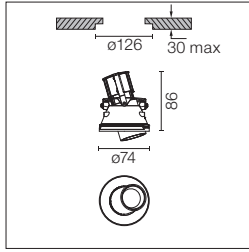
Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny Ø80 No Trim 1L Round

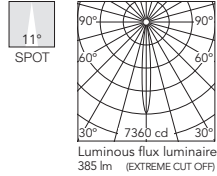


Recommended power supply / Equipos recomendados*:

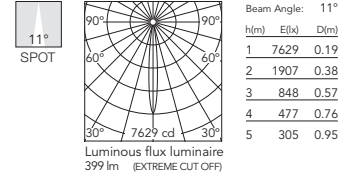
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

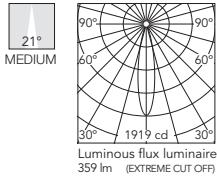
- 2700K**
 03.0701.40
 03.0701.14
 03.0701.40.NT
 03.0701.14.NT



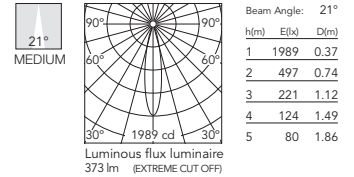
- 3000K**
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 03.0700.14
 03.0700.40.NT
 03.0700.14.NT



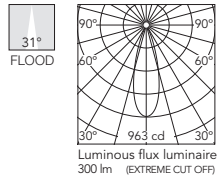
- 2700K**
 03.0705.40
 03.0705.14
 03.0705.40.NT
 03.0705.14.NT



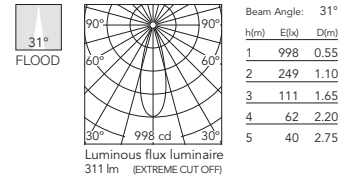
- 3000K**
 03.0704.40
 03.0704.14
 03.0704.40.NT
 03.0704.14.NT



- 2700K**
 03.0709.40
 03.0709.14
 03.0709.40.NT
 03.0709.14.NT



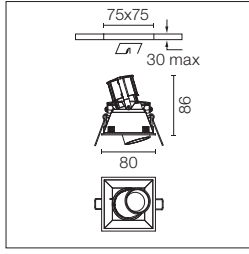
- 3000K**
 03.0708.40
 03.0708.14
 03.0708.40.NT
 03.0708.14.NT



JOHNNY 80

Johnny 80 Trim 1L Square

Light Source: Power LED 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90



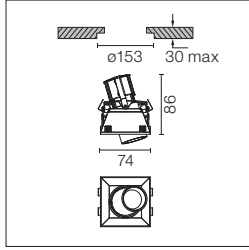
Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 1L Square

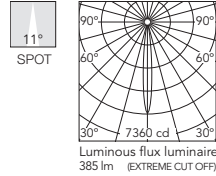


Recommended power supply / Equipos recomendados*:

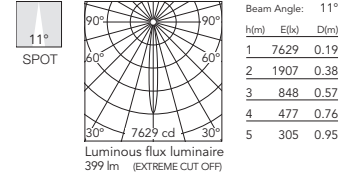
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

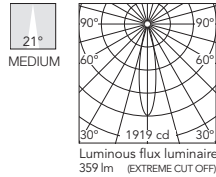
- 2700K**
 03.0703.40
 03.0703.14
 03.0703.40.NT
 03.0703.14.NT



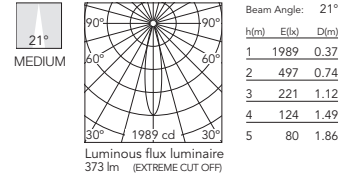
- 3000K**
 03.0702.40
 03.0702.14
 03.0702.40.NT
 03.0702.14.NT



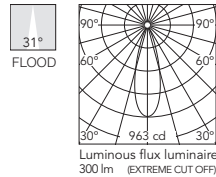
- 2700K**
 03.0707.40
 03.0707.14
 03.0707.40.NT
 03.0707.14.NT



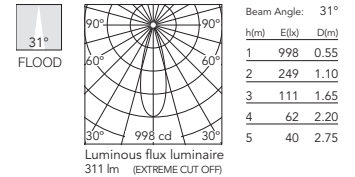
- 3000K**
 03.0706.40
 03.0706.14
 03.0706.40.NT
 03.0706.14.NT



- 2700K**
 03.0711.40
 03.0711.14
 03.0711.40.NT
 03.0711.14.NT



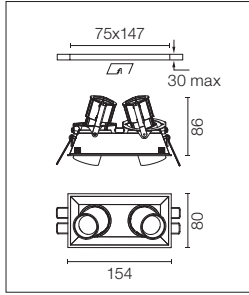
- 3000K**
 03.0710.40
 03.0710.14
 03.0710.40.NT
 03.0710.14.NT



JOHNNY 80

Johnny 80 Trim 2L Square

Light Source: Power LED 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90



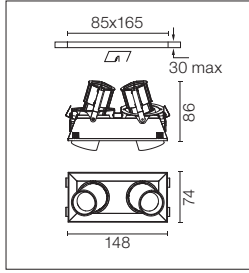
Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Johnny 80 No Trim 2L Square



Pre-installation frame. To be ordered separately.

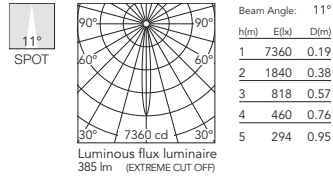
Marco de pre-instalación Se ha de pedir por separado.

Recommended power supply / Equipos recomendados*:

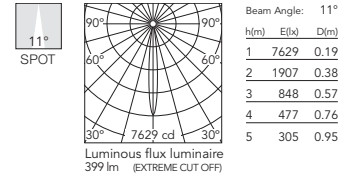
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

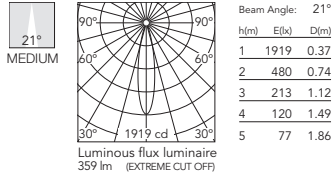
- 2700K**
- 03.0713.40
 - 03.0713.14
- 03.0713.40.NT
- 03.0713.14.NT



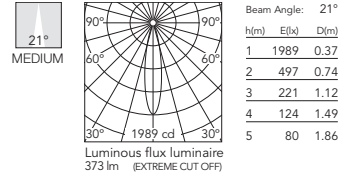
- 3000K**
- 03.0712.40
 - 03.0712.14
- 03.0712.40.NT
- 03.0712.14.NT



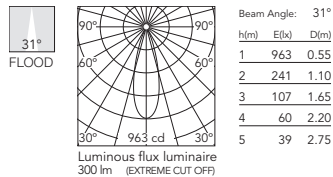
- 2700K**
- 03.0715.40
 - 03.0715.14
- 03.0715.40.NT
- 03.0715.14.NT



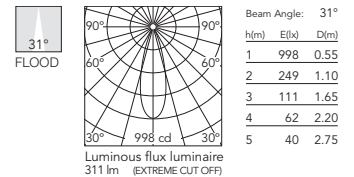
- 3000K**
- 03.0714.40
 - 03.0714.14
- 03.0714.40.NT
- 03.0714.14.NT



- 2700K**
- 03.0717.40
 - 03.0717.14
- 03.0717.40.NT
- 03.0717.14.NT



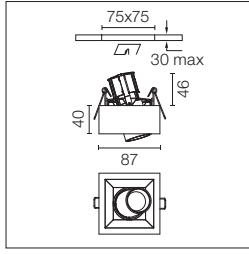
- 3000K**
- 03.0716.40
 - 03.0716.14
- 03.0716.40.NT
- 03.0716.14.NT



JOHNNY 80

Johnny 80 Semi-Recessed 1L Square

Light Source: Power LED 6,2W - 560 lm - 2700K/CRI 90 / 6,2W - 600 lm - 3000K/CRI 90



Semi-recessed luminaire with LED light source. Power supply not included.

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

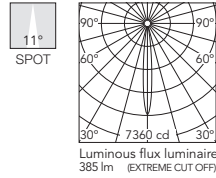


Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

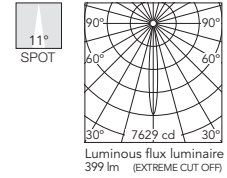
* Refer to the Drivers chapter / Ver capítulo Drivers

E	I	2700K
□	□	03.0761.40
□	□	03.0761.CE
□	□	03.0761.TK
□	□	03.0761.14
E	I	
□	□	03.0719.40
□	□	03.0719.CE
□	□	03.0719.TK
□	□	03.0719.14



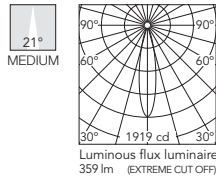
Beam Angle: 11°			
h(m)	E(lx)	D(m)	
1	7360	0.19	
2	1840	0.38	
3	818	0.57	
4	460	0.76	
5	294	0.95	

E	I	3000K
□	□	03.0760.40
□	□	03.0760.CE
□	□	03.0760.TK
□	□	03.0760.14
E	I	
□	□	03.0718.40
□	□	03.0718.CE
□	□	03.0718.TK
□	□	03.0718.14



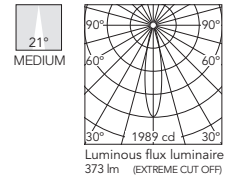
Beam Angle: 11°			
h(m)	E(lx)	D(m)	
1	7629	0.19	
2	1907	0.38	
3	848	0.57	
4	477	0.76	
5	305	0.95	

E	I	2700K
□	□	03.0763.40
□	□	03.0763.CE
□	□	03.0763.TK
□	□	03.0763.14
E	I	
□	□	03.0721.40
□	□	03.0721.CE
□	□	03.0721.TK
□	□	03.0721.14



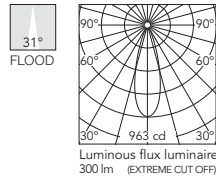
Beam Angle: 21°			
h(m)	E(lx)	D(m)	
1	1919	0.37	
2	480	0.74	
3	213	1.12	
4	120	1.49	
5	77	1.86	

E	I	3000K
□	□	03.0762.40
□	□	03.0762.CE
□	□	03.0762.TK
□	□	03.0762.14
E	I	
□	□	03.0720.40
□	□	03.0720.CE
□	□	03.0720.TK
□	□	03.0720.14



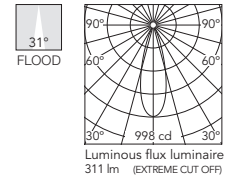
Beam Angle: 21°			
h(m)	E(lx)	D(m)	
1	1989	0.37	
2	497	0.74	
3	221	1.12	
4	124	1.49	
5	80	1.86	

E	I	2700K
□	□	03.0765.40
□	□	03.0765.CE
□	□	03.0765.TK
□	□	03.0765.14
E	I	
□	□	03.0723.40
□	□	03.0723.CE
□	□	03.0723.TK
□	□	03.0723.14



Beam Angle: 31°			
h(m)	E(lx)	D(m)	
1	963	0.55	
2	241	1.10	
3	107	1.65	
4	60	2.20	
5	39	2.75	

E	I	3000K
□	□	03.0764.40
□	□	03.0764.CE
□	□	03.0764.TK
□	□	03.0764.14
E	I	
□	□	03.0722.40
□	□	03.0722.CE
□	□	03.0722.TK
□	□	03.0722.14

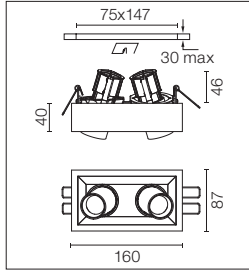


Beam Angle: 31°			
h(m)	E(lx)	D(m)	
1	998	0.55	
2	249	1.10	
3	111	1.65	
4	62	2.20	
5	40	2.75	

JOHNNY 80

Johnny 80 Semi-Recessed 2L Square

Light Source: Power LED 2x6,2W - 2x560 lm - 2700K/CRI 90 / 2x6,2W - 2x600 lm - 3000K/CRI 90



Semi-recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Accessories included (honeycomb and screening crosspiece).

E= External Finish
I= Internal Finish

Luminaria semi-empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

E= Acabado Externo
I= Acabado Interno

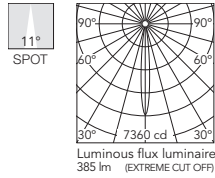


Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

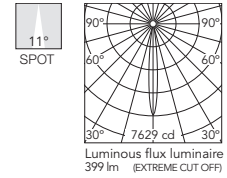
* Refer to the Drivers chapter / Ver capítulo Drivers

E I	2700K
■ ■	03.0771.40
■ ■	03.0771.CE
■ ■	03.0771.TK
■ ■	03.0771.14
E I	
■ ■	03.0731.40
■ ■	03.0731.CE
■ ■	03.0731.TK
■ ■	03.0731.14



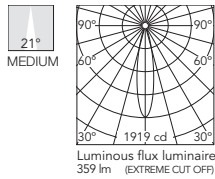
h(m)	E lx	D(m)
1	7360	0.19
2	1840	0.38
3	818	0.57
4	460	0.76
5	294	0.95

E I	3000K
■ ■	03.0770.40
■ ■	03.0770.CE
■ ■	03.0770.TK
■ ■	03.0770.14
E I	
■ ■	03.0730.40
■ ■	03.0730.CE
■ ■	03.0730.TK
■ ■	03.0730.14



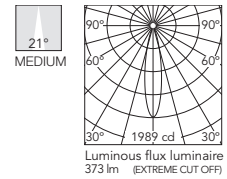
h(m)	E lx	D(m)
1	7629	0.19
2	1907	0.38
3	848	0.57
4	477	0.76
5	305	0.95

E I	2700K
■ ■	03.0773.40
■ ■	03.0773.CE
■ ■	03.0773.TK
■ ■	03.0773.14
E I	
■ ■	03.0733.40
■ ■	03.0733.CE
■ ■	03.0733.TK
■ ■	03.0733.14



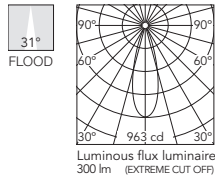
h(m)	E lx	D(m)
1	1919	0.37
2	480	0.74
3	213	1.12
4	120	1.49
5	77	1.86

E I	3000K
■ ■	03.0772.40
■ ■	03.0772.CE
■ ■	03.0772.TK
■ ■	03.0772.14
E I	
■ ■	03.0732.40
■ ■	03.0732.CE
■ ■	03.0732.TK
■ ■	03.0732.14



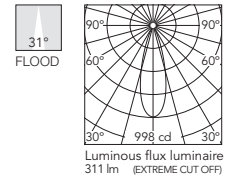
h(m)	E lx	D(m)
1	1989	0.37
2	497	0.74
3	221	1.12
4	124	1.49
5	80	1.86

E I	2700K
■ ■	03.0775.40
■ ■	03.0775.CE
■ ■	03.0775.TK
■ ■	03.0775.14
E I	
■ ■	03.0735.40
■ ■	03.0735.CE
■ ■	03.0735.TK
■ ■	03.0735.14



h(m)	E lx	D(m)
1	963	0.55
2	241	1.10
3	107	1.65
4	60	2.20
5	39	2.75

E I	3000K
■ ■	03.0774.40
■ ■	03.0774.CE
■ ■	03.0774.TK
■ ■	03.0774.14
E I	
■ ■	03.0734.40
■ ■	03.0734.CE
■ ■	03.0734.TK
■ ■	03.0734.14



h(m)	E lx	D(m)
1	998	0.55
2	249	1.10
3	111	1.65
4	62	2.20
5	40	2.75

JOHNNY 80

Accessories / Accesorios

Johnny 80 No Trim 1L

Installation frame No Trim.
Johnny ø80.



Johnny ø80 Round
 08.9102.00

Marco de instalación No Trim.
Johnny ø80.

Installation frame No Trim.
Johnny □80.



Johnny □80 Square
 08.9103.00

Marco de instalación No Trim.
Johnny □80.

Johnny 80 No Trim 2L Square

Installation frame No Trim.
Johnny 80 2L Square.



08.9105.00

Marco de instalación No Trim.
Johnny 80 2L Square.

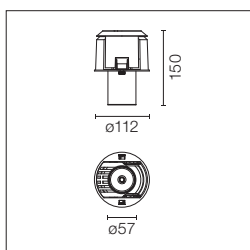
JOHNNY 120

Johnny 120 Light Source

Light Source: LED Array / LED Array High Performance

Without accessories: DC 500 mA - 18W - 1770 lm - 2700K/CRI 90 / 18W - 1870 lm - 3000K/CRI 90

With accessories: DC 450 mA - 16W - 1612 lm - 2700K/CRI 90 / 16W - 1704 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included. One driver is needed per each light source.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

**Part number with certificate: 0741 / 0743 / 0745 / 0740 / 0742 / 0744

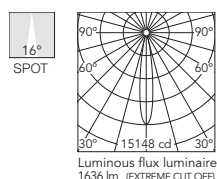
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

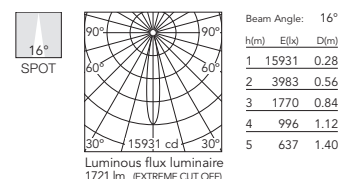
High Performance 2700K

03.0801.40
03.0801.14



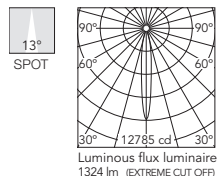
High Performance 3000K

03.0800.40
03.0800.14



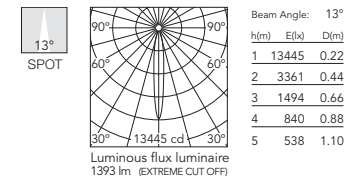
2700K

03.0741.40
03.0741.14



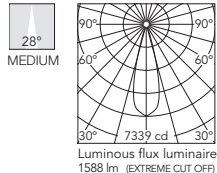
3000K

03.0740.40
03.0740.14



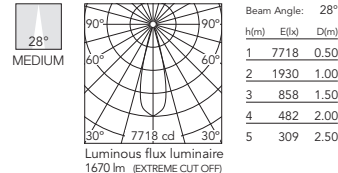
High Performance 2700K

03.0803.40
03.0803.14



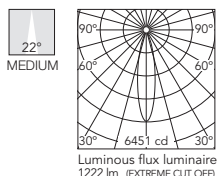
High Performance 3000K

03.0802.40
03.0802.14



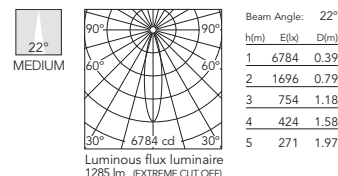
2700K

03.0743.40
03.0743.14



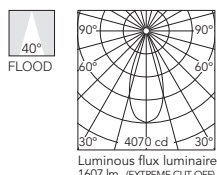
3000K

03.0742.40
03.0742.14



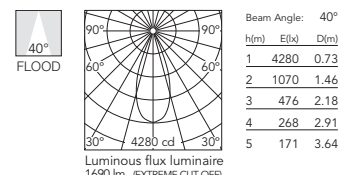
High Performance 2700K

03.0805.40
03.0805.14



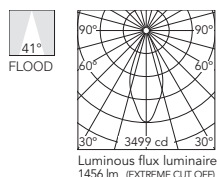
High Performance 3000K

03.0804.40
03.0804.14



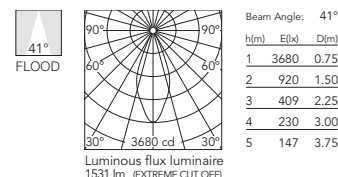
2700K

03.0745.40
03.0745.14



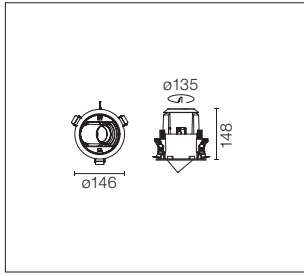
3000K

03.0744.40
03.0744.14



JOHNNY 120

Johnny 120 Round 1L – Recessed Universal Frame



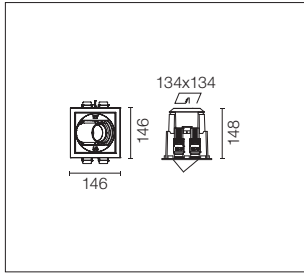
Unique reference for Trim or No Trim recessed installation.
 08.0555.00=includes white frame to complete Trim finishing.
 08.0505.00=includes optional white and black frames to complete Trim finishing.

Referencia única para las instalaciones empotrables Trim o No Trim.
 08.0555.00=incluye marco en blanco para completar el acabado Trim.
 08.0505.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

- 08.0555.00
- + 1x Light Source
- + 1x Driver

- 08.0505.00
- + 1x Light Source
- + 1x Driver

Johnny 120 Square 1L – Recessed Universal Frame



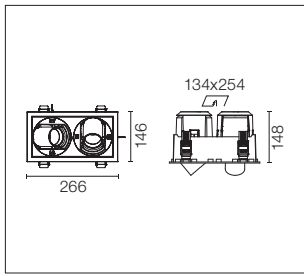
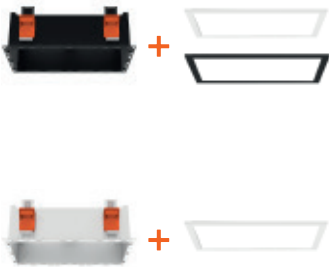
Unique reference for Trim or No Trim recessed installation.
 08.0550.00=includes white frame to complete Trim finishing.
 08.0500.00=includes optional white and black frames to complete Trim finishing.

Referencia única para las instalaciones empotrables Trim o No Trim.
 08.0550.00=incluye marco en blanco para completar el acabado Trim.
 08.0500.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

- 08.0550.00
- + 1x Light Source
- + 1x Driver

- 08.0500.00
- + 1x Light Source
- + 1x Driver

Johnny 120 Square 2L – Recessed Universal Frame



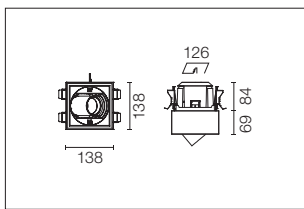
Unique reference for Trim or No Trim recessed installation.
 08.0551.00=includes white frame to complete Trim finishing.
 08.0501.00=includes optional white and black frames to complete Trim finishing.

Referencia única para las instalaciones empotrables Trim o No Trim.
 08.0551.00=incluye marco en blanco para completar el acabado Trim.
 08.0501.00=incluye marcos opcionales en blanco y negro para completar el acabado Trim.

- 08.0551.00
- + 2x Light Source
- + 2x Driver

- 08.0501.00
- + 2x Light Source
- + 2x Driver

Johnny 120 Semi-Recessed 1L Square – Housing



- | | |
|---|---|
| E | I |
| □ | □ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
- 08.0556.40
 - 08.0556.CE
 - 08.0556.TK
 - 08.0556.14
 - + 1x Light Source
 - + 1x Driver

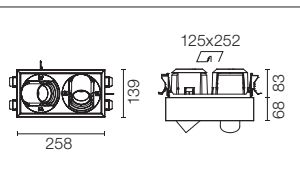
- | | |
|---|---|
| E | I |
| □ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
- 08.0506.40
 - 08.0506.CE
 - 08.0506.TK
 - 08.0506.14
 - + 1x Light Source
 - + 1x Driver

Johnny 120 Semi-Recessed 2L Square – Housing



- | | |
|---|---|
| E | I |
| □ | □ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
- 08.0557.40
 - 08.0557.CE
 - 08.0557.TK
 - 08.0557.14
 - + 2x Light Source
 - + 2x Driver

- | | |
|---|---|
| E | I |
| □ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
| ■ | ■ |
- 08.0507.40
 - 08.0507.CE
 - 08.0507.TK
 - 08.0507.14
 - + 2x Light Source
 - + 2x Driver



JOHNNY 120

Accessories / Accesorios

Johnny 120

Screening crosspiece
Cruceta de apantallamiento



08.8429.00

Elliptical lens
Lente elíptica



08.8431.00

Johnny 120

Flood lens
Lente flood



08.8432.00

Honeycomb
Honeycomb



08.8428.00

Snoot shielding cone
Cono apantallador






08.0526.00

HOW TO ORDER JOHNNY 120

TRIM / NO TRIM 1L ROUND		TRIM / NO TRIM 1L SQUARE		TRIM / NO TRIM 2L SQUARE	
Universal frame 		Universal frame 		Universal frame 	
08.0505.00 08.0555.00		08.0500.00 08.0550.00		08.0501.00 08.0551.00	
1x Light Source* 		1x Light Source* 		2x Light Source* 	
	2700K	3000K	2700K High Perf.	3000K High Perf.	
Spot	03.0741.40 03.0741.14	03.0740.40 03.0740.14	03.0801.40 03.0801.14	03.0800.40 03.0800.14	
Medium	03.0743.40 03.0743.14	03.0742.40 03.0742.14	03.0803.40 03.0803.14	03.0802.40 03.0802.14	
Flood	03.0745.40 03.0745.14	03.0744.40 03.0744.14	03.0805.40 03.0805.14	03.0804.40 03.0804.14	
No Trim		No Trim		No Trim	
Trim White		Trim White		Trim White	
Trim Black		Trim Black		Trim Black	

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

HOW TO ORDER JOHNNY 120

SEMI-RECESSED 1L SQUARE					SEMI-RECESSED 2L SQUARE										
Housing					Housing										
															
08.0506.40	08.0506.CE	08.0506.TK	08.0506.14	08.0507.40	08.0507.CE	08.0507.TK	08.0507.14	08.0556.40	08.0556.CE	08.0556.TK	08.0556.14	08.0557.40	08.0557.CE	08.0557.TK	08.0557.14
+ 1x Light Source*					+ 2x Light Source*										
															
	2700K	3000K	2700K High Perf.	3000K High Perf.		2700K	3000K	2700K High Perf.	3000K High Perf.		2700K	3000K	2700K High Perf.	3000K High Perf.	
Spot	03.0741.40	03.0740.40	03.0801.40	03.0800.40	Spot	03.0741.40	03.0740.40	03.0801.40	03.0800.40	Medium	03.0743.40	03.0742.40	03.0803.40	03.0802.40	
	03.0741.14	03.0740.14	03.0801.14	03.0800.14		03.0741.14	03.0740.14	03.0801.14	03.0800.14		03.0743.14	03.0742.14	03.0803.14	03.0802.14	
Medium	03.0743.40	03.0742.40	03.0803.40	03.0802.40	Flood	03.0745.40	03.0744.40	03.0805.40	03.0804.40	Flood	03.0745.40	03.0744.40	03.0805.40	03.0804.40	
	03.0743.14	03.0742.14	03.0803.14	03.0802.14		03.0745.14	03.0744.14	03.0805.14	03.0804.14		03.0745.14	03.0744.14	03.0805.14	03.0804.14	
=					=										
															
White	Concrete	Teak	Black	White	Concrete	Teak	Black	White	Concrete	Teak	Black	White	Concrete	Teak	Black

* Power supply not included. One driver is needed per each light source / Fuente de alimentación no incluida. Se necesita un equipo por fuente de luz.

COMPASS BOX RECESSED

DESIGNED BY FLOS ARCHITECTURAL



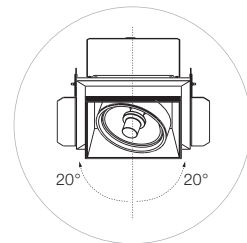
SMALL 1L / 2L	SMALL 1L / 2L	LARGE 1L / 2L
LIGHT SOURCE LED ARRAY 9,2W 945 lm 3000K/CRI 80	LIGHT SOURCE QR-CBC 51 GX5.3 max 50W 	LIGHT SOURCE QR-111 G53 max 100W
	LED Retrofit Compatible*	LED Retrofit Compatible*

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

30 Matt White/RAL 9001
30 Blanco Mate

14 Matt Black/RAL 9005
14 Negro Mate

Can be swivelled 20°.
Puede ser orientado 20°.



Description

Designed for LED lamps and very low voltage halogen lamps. For recess mounting in suspended ceilings of up to 30 mm thick.

1 or 2 lamp adjustable- system.

Pressed steel powder-coated recessed housing, extruded aluminum recessed trim frame for use with false ceiling systems.

Steel "compass-type" adjustment mechanism, powder-coated matt black.

For halogen versions: innovative steel bracket fixing system, painted black, with allen key locking mechanism. Terminal block positioned on canopy housing box.

Reflectors

Super-pure, anodised-aluminum, silver reflectors with polished specular finish.

Power Supply

Pre-wiring included; ready for remote power supply.

Halogen:

- Electronic transformer 20/105W, 220/240V, 50/60Hz suitable for dimming when used with trailing edge dimmers.

Accessories

- Screening cylinder with cross baffle element incorporated, black powder-coated finish.
- Honeycomb.

- Frame needed for installation on false ceiling.

Additional Information

Compass-type adjustment system permits focusing from 0° to 40° in all directions.

IP20 protection grade.

Insulation class I, III depending on the versions.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Diseñado para lámparas LED y halógenas de muy baja tensión. Para empotrar en falsos techos de hasta 30 mm de espesor.

Sistema de una o dos luminarias orientables.

Cuerpo para empotrar de acero pintado con barniz en polvo y marco para empotrar realizado de extrusión de aluminio con sistema de fijación al falso techo.

Para las versiones halógenas, sistema de orientación tipo "compás" de acero pintado con barniz en polvo de color negro opaco. Sistema de fijación mediante soportes de acero pintado negro atornillados. Regleta para las conexiones eléctricas situada por encima de la caja que aloja las lámparas.

Reflectores

Reflector de aluminio con acabado anodizado de color plateado por el exterior y con revestimiento de aluminio superpuro en el interior. Aro de protección de material termoplástico negro para las lámparas de alta luminancia.

Unidades de Alimentación

Precableado incluido, listo para ser alimentado mediante dispositivos a distancia.

Halógenas:

- Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo "trailing edge".

Accesorios

- Cilindro de protección con rejilla direccional incorporada, acabado pintado con barniz negro en polvo.

- Honeycomb.

- Marco necesario para la instalación en falso techo.

Información Adicional

Sistema de orientación que permite la orientación a 40° en todas las direcciones.

Índice de protección IP20.

Clase de aislamiento I, III, según las versiones.

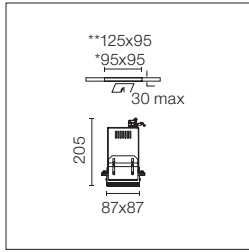
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

COMPASS BOX RECESSED

Compass Box Recessed Small 1L

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80



GWT 850°



IP 20



20



No Trim recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable No Trim para fuente de luz LED. Fuente de alimentación no incluida.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

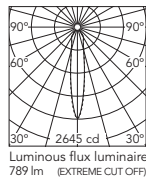
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

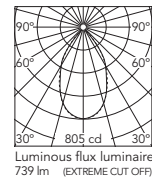
03.2675.30A
03.2675.14A



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2645	0.31
2	661	0.62
3	294	0.93
4	165	1.23
5	106	1.54

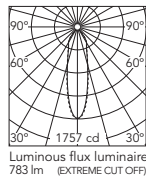
03.2677.30A
03.2677.14A



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	805	1.14
2	201	2.28
3	89	3.42
4	50	4.56
5	32	5.70

03.2676.30A
03.2676.14A

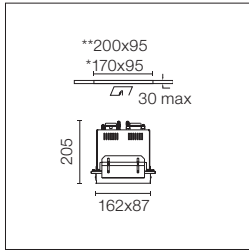


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1757	0.47
2	439	0.93
3	195	1.40
4	110	1.87
5	70	2.34

Compass Box Recessed Small 2L

Light Source: LED Array DC 500 mA - 2x9,2W - 2x945 lm - 3000K/CRI 80



IP 20



20



GWT 850°



No Trim recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable No Trim para fuente de luz LED. Fuente de alimentación no incluida. Es necesario una fuente de alimentación por cada cuerpo óptico.

Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

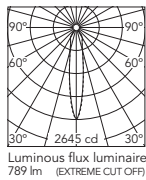
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

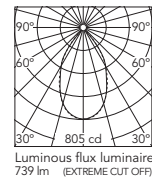
03.2680.30A
03.2680.14A



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2645	0.31
2	661	0.62
3	294	0.93
4	165	1.23
5	106	1.54

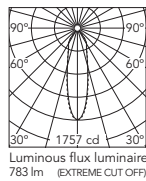
03.2682.30A
03.2682.14A



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	805	1.14
2	201	2.28
3	89	3.42
4	50	4.56
5	32	5.70

03.2681.30A
03.2681.14A



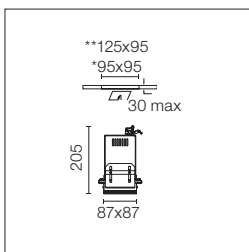
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1757	0.47
2	439	0.93
3	195	1.40
4	110	1.87
5	70	2.34

COMPASS BOX RECESSED

Compass Box Recessed Small 1L

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



	GWT 850°	
	IP 20	

No Trim recessed 12V halogen lamp luminaire. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2650.30
03.2650.14

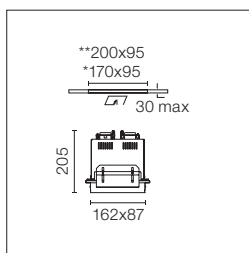
Luminaria empotrable No Trim para lámpara halógena de 12V. Transformador remoto no incluido.

Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Small 2L

Light Source: QR-CBC 51 GX5.3 - max 2x50W (LED Retrofit Compatible*)



	GWT 850°	
	IP 20	

No Trim recessed 12V halogen lamp luminaire. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2651.30
03.2651.14

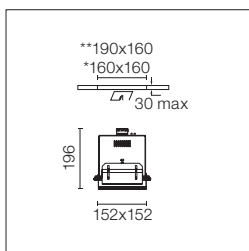
Luminaria empotrable No Trim para lámpara halógena de 12V. Transformador remoto no incluido.

Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Large 1L

Light Source: QR-111 G53 - max 100W (LED Retrofit Compatible*)



	GWT 850°	
	IP 20	

No Trim recessed 12V halogen lamp luminaire. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2520.30
03.2520.14

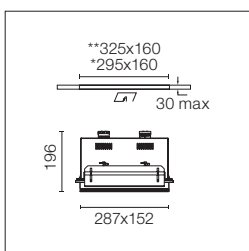
Luminaria empotrable No Trim para lámpara halógena de 12V. Transformador remoto no incluido.

Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

Compass Box Recessed Large 2L

Light Source: QR-111 G53 - max 2x100W (LED Retrofit Compatible*)



	GWT 850°	
	IP 20	

No Trim recessed 12V halogen lamp luminaire. Remote transformer not included.

Pre-installation frame must be ordered separately.

03.2521.30
03.2521.14

Luminaria empotrable No Trim para lámpara halógena de 12V. Transformador remoto no incluido.

Marco de pre-instalación. Se ha de pedir por separado.

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling. | Techo no accesible.

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

COMPASS BOX RECESSED

Accessories / Accesorios

Compass Box Recessed No Trim Small

Pre-installation frame small
single light. 08.8191.00



Marco de pre-instalación de 1
luz pequeño.

Pre-installation frame small 2
lights. 08.8192.00



Marco de pre-instalación de 2
luces pequeño.

Compass Box Recessed Small

Screening crosspiece
Cruceta de apantallamiento 08.8238.14



Honeycomb
Honeycomb 08.8196.14



Compass Box Recessed No Trim Large

Pre-installation frame large
single light 08.8187.00



Marco de pre-instalación de 1
luz grande.

Pre-installation frame 2 large
lights. 08.8188.00



Marco de pre-instalación de 2
luces grande.

Compass Box Recessed Large

Screening crosspiece
Cruceta de apantallamiento 08.8034.14



Honeycomb
Honeycomb 08.8036.14



BATTERY

DESIGNED BY F.A. PORSCHE

TRIM / NO TRIM SMALL
1L / 2L / 3L / 4L SQUARE



LIGHT SOURCE
LED ARRAY
16,5W
2290 lm
3000K/CRI 80

TRIM / NO TRIM SMALL
1L / 2L



LIGHT SOURCE
QR-CBC 51
GX5.3
max 50W



LED Retrofit Compatible*

TRIM / NO TRIM LARGE
1L / 2L



LIGHT SOURCE
QR-111
G53
max 100W

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

20 Matt White/RAL 9016
20 Blanco Mate

08 Mercury/RAL 9007
08 Mercurio

14 Matt Black/RAL 9005
14 Negro Mate

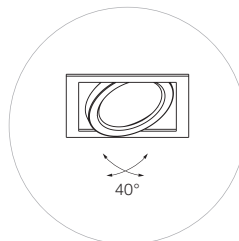
Battery Trim



Battery No Trim



Can be rotated 40° in any direction.
Puede ser rotado 40° en cualquier dirección.



BATTERY

Description

1, 2, 3 or 4 lamp adjustable- system, for recessed ceiling thicknesses of 1-30 mm. Suitable for use with LED lamps or very low voltage halogens.

Pressed steel and matt black, powder-coated recessed housing, extruded aluminum recessed trim frame for use with false ceiling systems. (Battery No Trim).

Steel "compass-type" adjustment mechanism, powder-coated matt black. Innovative steel bracket fixing system, painted black, with allen key locking mechanism. Die-cast aluminum knurled rings housed in a 3 mm steel frame.

Terminal block positioned on canopy housing box.

Halogen: additional high-resistance PPS inner ring, for mounting lamp and anti-glare functions.

Reflectors

Super-pure, anodised-aluminum, silver reflectors with polished specular finish.

Power Supply

Pre-wiring included; ready for remote power supply.

Halogen:

- Electronic transformer 20/105W, 220/240V, 50/60Hz suitable for dimming when used with trailing edge dimmers.

Accessories

- Screening cylinder with cross baffle element incorporated, black powder-coated finish.

- Honeycomb.

- 4 mm tempered glass elliptical distribution lens.

- Chromatic filters.

- Frame needed for installation on false ceiling

(Battery No Trim).

Additional Information

Compass-type adjustment system permits focusing from 0° to 40° in all directions.

IP20, IP23 protection grade depending on the versions.

Insulation class I, III depending on the versions.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Sistema de 1, 2, 3 ó 4 luminarias orientables, para empotrar en falsos techos de 1 a 30 mm de espesor. Diseñado para lámparas LED o halógenas de muy baja tensión.

Cuerpo para empotrar de acero inyectado y pintado con barniz en polvo de color negro opaco y marco para empotrar realizado de extrusión de aluminio con sistema de fijación al falso techo. (Battery No Trim).

Sistema de orientación tipo "compás" de acero inyectado y pintado con barniz en polvo de color negro opaco. Sistema de fijación mediante soportes de acero pintado negro atornillados. Aros moleteados en aluminio inyectado a presión alojados en un marco de acero de 3 mm. Regleta para las conexiones eléctricas situada por encima de la caja que aloja las lámparas.

En las versiones con lámparas halógenas: aro interior adicional de PPS de alta resistencia para la fijación de la lámpara y antideslumbramiento.

Reflectores

Reflector de aluminio con acabado anodizado de color plateado por el exterior y con revestimiento de aluminio superpuro en el interior. Aro de protección de material termoplástico negro para las lámparas de alta luminancia.

Unidades de Alimentación

Precableado incluido; listo para ser alimentado mediante dispositivos a distancia.

Halógenas:

- Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo "trailing edge".

Accesorios

- Cilindro de protección con rejilla direccional incorporada, acabado pintado con barniz negro en polvo.

- Honeycomb.

- Lente de distribución elíptica de cristal templado de 4 mm.

- Filtros cromáticos.

- Marco necesario para la instalación en falso techo

(Battery No Trim).

Información Adicional

Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones.

Índice de protección IP20, IP23, según las versiones.

Clase de aislamiento I, III, según las versiones.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Trim

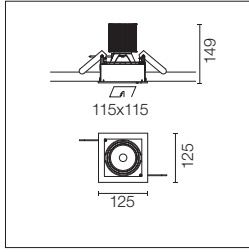


No Trim

BATTERY

Battery Trim Small 1L

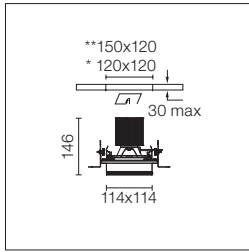
Light Source: LED Array DC 500 mA - 16,5W - 2290 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Battery No Trim Small 1L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

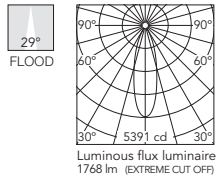
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

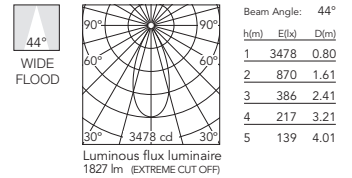
* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

- 04.6470.20B
- 04.6470.08B
- 04.6470.14B
- 04.6470.14BNT

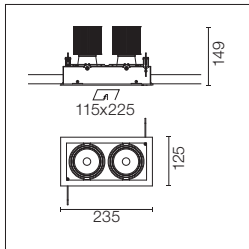


- 04.6471.20B
- 04.6471.08B
- 04.6471.14B
- 04.6471.14BNT



Battery Trim Small 2L

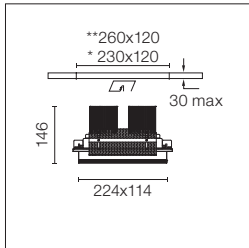
Light Source: LED Array DC 500 mA - 2x16,5W - 2x2290 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 2L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

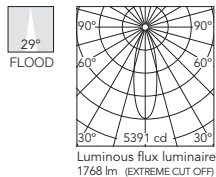
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

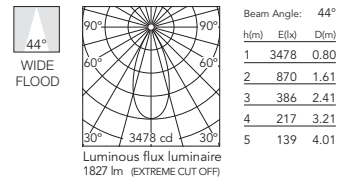
* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

- 04.6475.20B
- 04.6475.08B
- 04.6475.14B
- 04.6475.14BNT



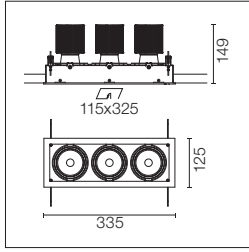
- 04.6476.20B
- 04.6476.08B
- 04.6476.14B
- 04.6476.14BNT



BATTERY

Battery Trim Small 3L

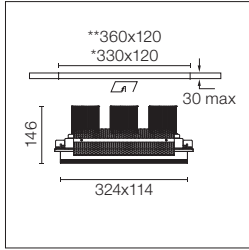
Light Source: LED Array DC 500 mA - 3x16,5W - 3x2290 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 3L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

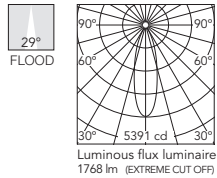
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

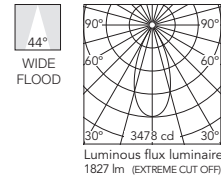
- 04.6480.20B
- 04.6480.08B
- 04.6480.14B
- 04.6480.14BNT



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

- 04.6481.20B
- 04.6481.08B
- 04.6481.14B
- 04.6481.14BNT

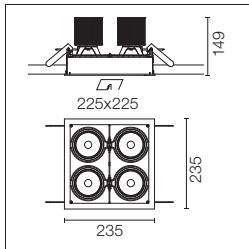


Beam Angle: 44°

h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

Battery Trim Small 4L Square

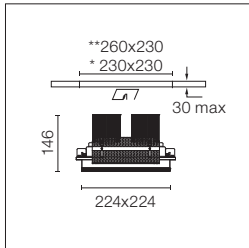
Light Source: LED Array DC 500 mA - 4x16,5W - 4x2290 lm - 3000K/CRI 80



Recessed luminaire with LED light source. Power supply not included. Requires one power supply for each optic body.

Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida. Es necesaria una fuente de alimentación por cada cuerpo óptico.

Battery No Trim Small 4L Square



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

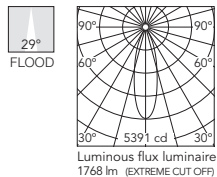
Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9467
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

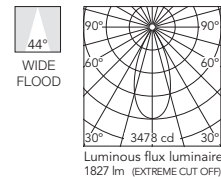
- 04.6485.20B
- 04.6485.08B
- 04.6485.14B
- 04.6485.14BNT



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	5391	0.52
2	1348	1.04
3	599	1.56
4	337	2.08
5	216	2.59

- 04.6486.20B
- 04.6486.08B
- 04.6486.14B
- 04.6486.14BNT



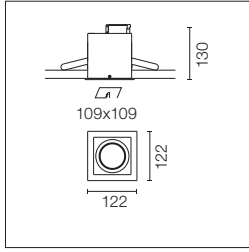
Beam Angle: 44°

h(m)	E(lx)	D(m)
1	3478	0.80
2	870	1.61
3	386	2.41
4	217	3.21
5	139	4.01

BATTERY

Battery Trim Small 1L

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



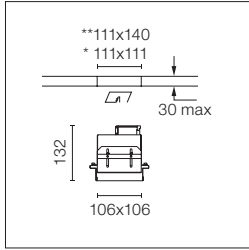
Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

Additional inner plastic (PPS) ring for lamp approaching & low glare effect.

Aro interior adicional de plástico (PPS) de alta resistencia.

Battery No Trim Small 1L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

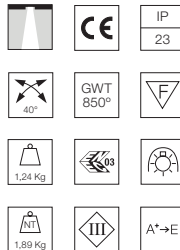
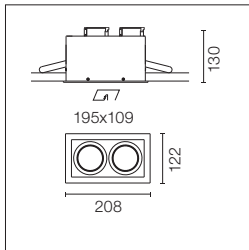
- 04.6021.20
- 04.6021.08
- 04.6021.14

- 04.6021.20.NT
- 04.6021.08.NT
- 04.6021.14.NT

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
 ** Inaccessible ceiling. | Techo no accesible.

Battery Trim Small 2L

Light Source: QR-CBC 51 GX5.3 - max 2x50W (LED Retrofit Compatible*)



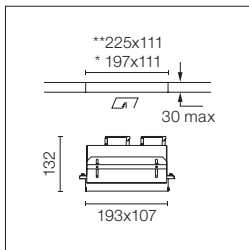
Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

Additional inner plastic (PPS) ring for lamp approaching & low glare effect.

Aro interior adicional de plástico (PPS) de alta resistencia.

Battery No Trim Small 2L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

- 04.6022.20
- 04.6022.08
- 04.6022.14

- 04.6022.20.NT
- 04.6022.08.NT
- 04.6022.14.NT

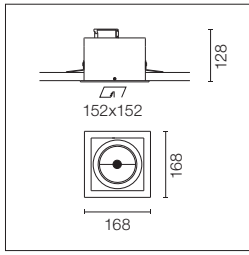
* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
 ** Inaccessible ceiling. | Techo no accesible.

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

BATTERY

Battery Trim Large 1L

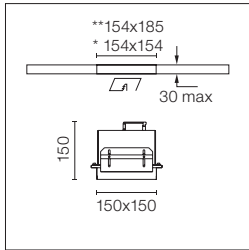
Light Source: QR-111 G53 - max 100W



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

Battery No Trim Large 1L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

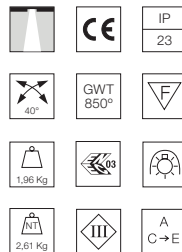
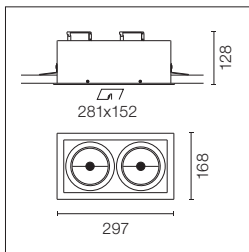
04.6001.20
04.6001.08
04.6001.14

04.6001.20.NT
04.6001.08.NT
04.6001.14.NT

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

Battery Trim Large 2L

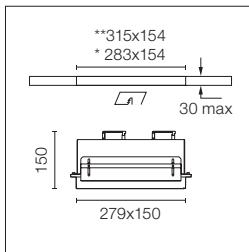
Light Source: QR-111 G53 - max 2x100W



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

Battery No Trim Large 2L



Pre-installation frame must be ordered separately.

Marco de pre-instalación. Se ha de pedir por separado.

04.6002.20
04.6002.08
04.6002.14

04.6002.20.NT
04.6002.08.NT
04.6002.14.NT

* Accessible ceiling: modular/open. | Techo accesible: modular/abierto.
** Inaccessible ceiling | Techo no accesible.

BATTERY

Accessories / Accesorios

Battery No Trim: LED Array

Pre-installation frame small single light.	Marco de pre-instalación de 1 luz pequeño.		08.8523.00
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Pre-installation frame small 2 lights.	Marco de pre-instalación de 2 luces pequeño.		08.8524.00
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Pre-installation frame small 3 lights.	Marco de pre-instalación de 3 luces pequeño.		08.8525.00
--	--	---	------------

Pre-installation frame small 4 lights.	Marco de pre-instalación de 4 luces pequeño.		08.8526.00
--	--	---	------------

Battery No Trim: QR-CBC 51

Pre-installation frame small single light.	Marco de pre-instalación de 1 luz pequeño.		08.8080.00
--	--	---	------------

Pre-installation frame small 2 lights.	Marco de pre-instalación de 2 luces pequeño.		08.8081.00
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Battery No Trim: QR-111










Pre-installation frame large single light.	Marco de pre-instalación de 1 luz grande.		08.8084.00
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Pre-installation frame large 2 lights.	Marco de pre-instalación de 2 luces grande.		08.8085.00
--	---	---	------------

BATTERY

Accessories / Accesorios

Battery Trim / No Trim: LED Array

Honeycomb Honeycomb		08.8495.14
Blue filter Filtro azul		08.8503.64.OD
Sky blue filter Filtro celeste		08.8503.65.OD
Amber filter Filtro ámbar		08.8503.66.OD
Red filter Filtro rojo		08.8503.67.OD
Hot light Hot light		08.8503.69
Cold light Cold light		08.8503.CL
Daylight Daylight		08.8503.DL
Neodimium Neodimium		08.8503.ND






Battery Trim / No Trim: QR-111

Elliptical lens Lente elíptica		<input type="checkbox"/> 08.8025.20 <input type="checkbox"/> 08.8025.08 <input type="checkbox"/> 08.8025.14
Screening cylinder Cilindro de apantallamiento		<input type="checkbox"/> 08.8030.20 <input type="checkbox"/> 08.8030.08 <input type="checkbox"/> 08.8030.14
Honeycomb Honeycomb		<input type="checkbox"/> 08.8029.20 <input type="checkbox"/> 08.8029.08 <input type="checkbox"/> 08.8029.14
Flood lens Lente flood		<input type="checkbox"/> 08.8180.20 <input type="checkbox"/> 08.8180.08 <input type="checkbox"/> 08.8180.14
Blue filter Filtro azul		<input type="checkbox"/> 08.8027.20.AO <input type="checkbox"/> 08.8027.08.AO <input type="checkbox"/> 08.8027.14.AO
Sky blue filter Filtro celeste		<input type="checkbox"/> 08.8027.20.AC <input type="checkbox"/> 08.8027.08.AC <input type="checkbox"/> 08.8027.14.AC
Amber filter Filtro ámbar		<input type="checkbox"/> 08.8027.20.AM <input type="checkbox"/> 08.8027.08.AM <input type="checkbox"/> 08.8027.14.AM
Red filter Filtro rojo		<input type="checkbox"/> 08.8027.20.RO <input type="checkbox"/> 08.8027.08.RO <input type="checkbox"/> 08.8027.14.RO
U.V. filter Filtro anti U.V.		<input type="checkbox"/> 08.8027.20.UV <input type="checkbox"/> 08.8027.08.UV <input type="checkbox"/> 08.8027.14.UV
I.R. filter Filtro anti I.R.		<input type="checkbox"/> 08.8027.20.IR <input type="checkbox"/> 08.8027.08.IR <input type="checkbox"/> 08.8027.14.IR
Hot light Hot light		<input type="checkbox"/> 08.8027.20.HL <input type="checkbox"/> 08.8027.08.HL <input type="checkbox"/> 08.8027.14.HL
Cold light Cold light		<input type="checkbox"/> 08.8027.20.CL <input type="checkbox"/> 08.8027.08.CL <input type="checkbox"/> 08.8027.14.CL
Daylight Daylight		<input type="checkbox"/> 08.8027.20.DL <input type="checkbox"/> 08.8027.08.DL <input type="checkbox"/> 08.8027.14.DL
Neodimium Neodimium		<input type="checkbox"/> 08.8027.20.ND <input type="checkbox"/> 08.8027.08.ND <input type="checkbox"/> 08.8027.14.ND

MICRO BATTERY

DESIGNED BY F. A. PORSCHE



OPAL			FIXED	ADJUSTABLE	
					
LIGHT SOURCE	LIGHT SOURCE	LIGHT SOURCE	LIGHT SOURCE	LIGHT SOURCE	LIGHT SOURCE
LED ARRAY	PAR 16	QR-CBC 51	LED ARRAY	PAR 16	QR-CBC 51
9,2W	GZ10	GX5.3	9,2W	GZ10	GX5.3
1060 lm	max 50W	max 50W	1060 lm	max 50W	max 50W
3000K/CRI 90			3000K/CRI 90		
				 LED Retrofit Compatible*	 LED Retrofit Compatible*

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

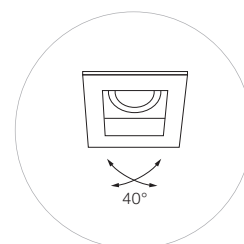
□ 20 Matt White/RAL 9016
20 Blanco Mate

■ 08 Mercury/RAL 9007
08 Mercurio

■ 14 Matt Black/RAL 9005
14 Negro Mate

Adjustable versions can be swivelled 40°
in any direction.

La versión basculante puede ser orientada
40° en cualquier dirección.



Description

Recessed indoor luminaire, adjustable or fixed. Suitable for use with LED lamps, very low voltage halogens or direct mains power, metal halide lamps or a combination of them. Die-cast aluminum adjustable lamp-support with black powder-coated finish. Die-cast aluminum, black powder-coated closing ring. Stainless steel lamp fixing spring. Recessed steel body for reducing lamp visibility with black powder-coated finish. Painted aluminum outer frame. Fixing system for ceiling thicknesses 0-30 mm. with steel sprung brackets.

Reflectors

The luminaire is designed for reflector lamps only.

Power Supply

Next-generation electronic transformer not included. 20/105W, 220/240V, 50/60Hz electronic transformer suitable for dimming when used with trailing edge dimmers.

Accessories

Anti-glare cylinder. Cut-off 40°. Not compatible with LED versions.

Additional Information

Compass-type adjustment system permits focusing from 0° to 40° in all directions. IP44 protection grade in non-accessible ceilings, for luminaires with glass cover; IP23 in non-accessible ceilings, for luminaires without glass cover. Insulation class II, III depending on the versions. Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria empotrable para ser instalada en interiores, en las versiones orientable o fija. Diseñada para lámparas LED, halógenas de muy baja tensión o directas a red. Cuerpo inclinable de soporte de la lámpara de aluminio inyectado a presión y acabado pintado negro con barniz en polvo. Anillo de cierre inyectado a presión acabado pintado negro con barniz en polvo. Muelle de fijación de la lámpara de acero inoxidable. Cuerpo para empotrar, de protección de la lámpara, de acero y acabado en pintura negra con barniz en polvo. Marco exterior de aluminio acabado en pintura. Sistema de fijación previsto para falsos techos de hasta 30mm de espesor con soportes de acero inoxidable provistos de tornillos de seguridad.

Reflectores

La luminaria ha sido diseñada únicamente para lámparas con reflector propio.

Unidades de Alimentación

Transformador electrónico de última generación, no incluido. Transformador electrónico 20/105W, 220/240V, 50/60Hz con regulación de intensidad mediante dispositivo "trailing edge".

Accesorios

Cilindro antideslumbramiento. Cut-off 40°. No compatible con versiones de LED.

Información Adicional

Sistema de orientación tipo compás que permite la orientación hasta 40° en todas las direcciones. Índice de protección: IP44 en techos no accesibles, para luminarias con cristal de protección; IP23 en techos no accesibles, para luminarias sin cristal de protección. Clase de aislamiento II, III según las versiones. Instalable sobre superficies normalmente inflamables.

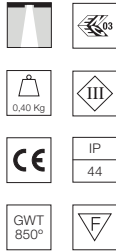
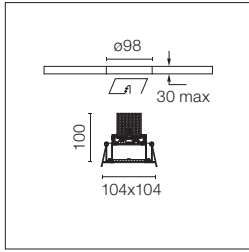
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

MICRO BATTERY

Micro Battery Opal Glass

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included.

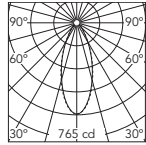
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 04.6330.20B
- 04.6330.08B
- 04.6330.14B

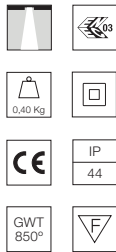
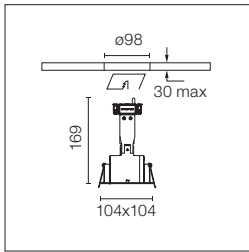


Luminous flux luminaire
581 lm (EXTREME CUT OFF)

h(m)	E(lx)	D(m)
1	765	0.72
2	191	1.45
3	85	2.17
4	48	2.89
5	31	3.62

Micro Battery Opal Glass

Light Source: PAR 16 GZ10 - max 50W



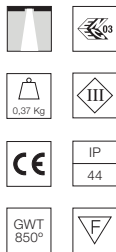
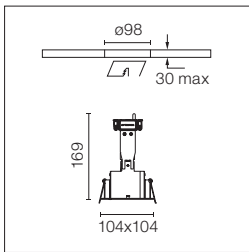
Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

- 04.6305.20
- 04.6305.08
- 04.6305.14

Micro Battery Opal Glass

Light Source: QR-CBC 51 GX5.3 - max 50W



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

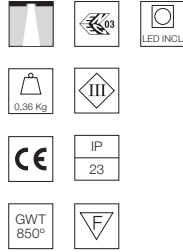
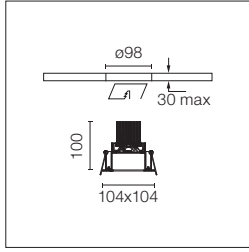
- 04.6300.20
- 04.6300.08
- 04.6300.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

MICRO BATTERY

Micro Battery Fixed

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included.

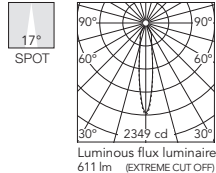
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

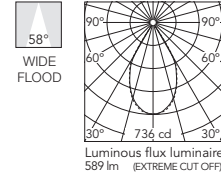
- 04.6333.20B
- 04.6333.08B
- 04.6333.14B



Beam Angle: 17°

h(m)	E lx	D(m)
1	2349	0.31
2	587	0.61
3	261	0.92
4	147	1.23
5	94	1.54

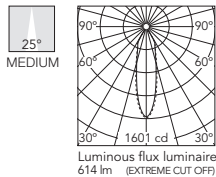
- 04.6335.20B
- 04.6335.08B
- 04.6335.14B



Beam Angle: 58°

h(m)	E lx	D(m)
1	736	1.10
2	184	2.20
3	82	3.30
4	46	4.40
5	29	5.50

- 04.6334.20B
- 04.6334.08B
- 04.6334.14B

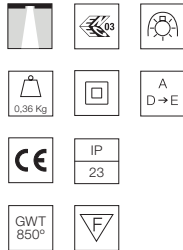
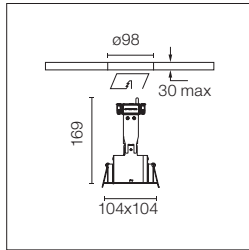


Beam Angle: 25°

h(m)	E lx	D(m)
1	1601	0.45
2	400	0.90
3	178	1.35
4	100	1.80
5	64	2.25

Micro Battery Fixed

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



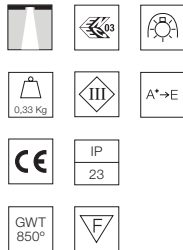
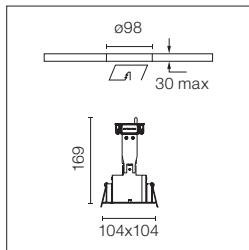
Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

- 04.6306.20
- 04.6306.08
- 04.6306.14

Micro Battery Fixed

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

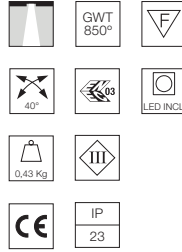
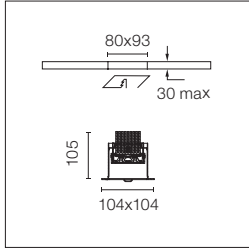
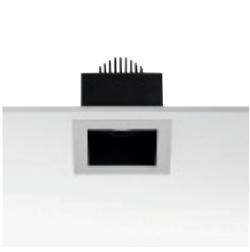
- 04.6301.20
- 04.6301.08
- 04.6301.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

MICRO BATTERY

Micro Battery Adjustable

Light Source: LED Array DC 500 mA - 9,2W - 1060 lm - 3000K/CRI 90



Recessed luminaire with LED light source. Power supply not included.

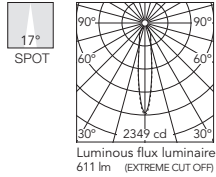
Luminaria empotrable para fuente de luz LED. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

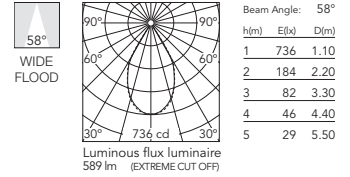
Non Dimmable	60.9160
Dimmable 1-10V	60.9188
Dimmable Dali 1	60.8847
Dimmable Dali 2	60.9222
Mains Dimming	60.9411
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

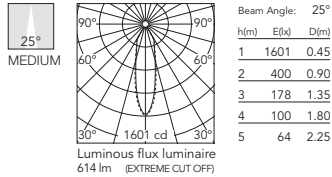
- 04.6336.20B
- 04.6336.08B
- 04.6336.14B



- 04.6338.20B
- 04.6338.08B
- 04.6338.14B

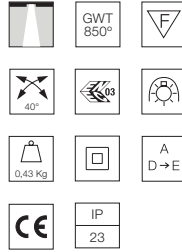
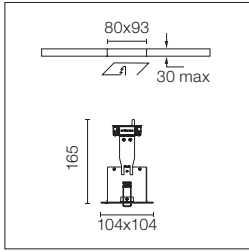


- 04.6337.20B
- 04.6337.08B
- 04.6337.14B



Micro Battery Adjustable

Light Source: PAR 16 GZ10 - max 50W (LED Retrofit Compatible*)



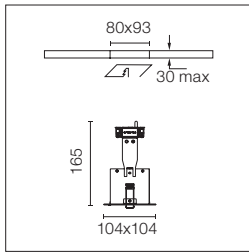
Recessed luminaire with main voltage source.

Luminaria empotrable con alimentación directa a red.

- 04.6307.20
- 04.6307.08
- 04.6307.14

Micro Battery Adjustable

Light Source: QR-CBC 51 GX5.3 - max 50W (LED Retrofit Compatible*)



Recessed 12V halogen lamp luminaire. Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido.

- 04.6302.20
- 04.6302.08
- 04.6302.14

Accessories / Accesorios

Anti-glare cylinder. Cut-off 40°. Not compatible with LED versions.

Cilindro antideslumbramiento. Cut-off 40°. No compatible con versiones de LED.



- 08.8270.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

SPOTLIGHTS

Camera, Find Me, UT Spot,
Solid Pure, Pure Spot, Wan Spot,
Fort Knox.

CAMERA

DESIGNED BY KNUD HOLSCHER

IN-TRACK

CAMERA
60



LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1260 lm
3500K/CRI 97
Up to 1355 lm

CAMERA
90



LIGHT SOURCE
LED ARRAY
Up to 32W
3000K/CRI 97
Up to 2585 lm
3500K/CRI 97
Up to 2715 lm

GA-69

CAMERA
60



LIGHT SOURCE
LED ARRAY
Up to 20W
3000K/CRI 97
Up to 1260 lm
3500K/CRI 97
Up to 1355 lm

CAMERA
90



LIGHT SOURCE
LED ARRAY
Up to 32W
3000K/CRI 97
Up to 2585 lm
3500K/CRI 97
Up to 2715 lm

WA Textured White
WA Blanco Texturizado

DR Anthracite
DR Antracita



Description

Luminaire for indoor use to be mounted on three phase track, available in LED technology light sources and in dimmable and non-dimmable versions.

The family is available in two sizes (60 / 90).

The optical housing of the luminaire is the result of a careful optical research. Dual focus lens specifically developed by FLOS for these products. Ensures maximum optical control and exceptionally even light beams.

Camera takes advantage of an innovative micro-textured silicone lens that allows extreme control as well as providing absolute efficiency, heat resistance and maximum quality in light distribution.

It incorporates an LED Array with an innovative light projection treatment that allows very narrow optics and general lighting. Integrated full cut-off.

The optical kit available includes 5 differentiated beam openings, each developed for a specific target application.

Whether it's intensive beams or diffused light effects, optical control is always exceptional and fall-off is totally absent.

Power Supply

Not dimmable or dimmable 220-240V, constant current, power supply included. Dimmable versions are available with DALI, Casambi or come with a built-in Potentiometer. For Casambi management (Max. 200 luminaires) it is mandatory to use fixtures in the Casambi version.

For managing and controlling the Casambi system, the FLOS Control® app powered by Casambi for mobile devices is required (available in the Apple Store and Google Play).

Accessories

- Honeycomb available.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para ser instalada a carril trifásico, disponible con fuentes de luz de tecnología LED de alta potencia y en versión dimable y no dimable.

La familia está disponible en dos tamaños (60 y 90).

El cuerpo óptico de la luminaria es el resultado de una cuidadosa investigación óptica. Lente de doble foco desarrollada por FLOS específicamente para estos productos. Garantiza el máximo control óptico y una homogeneidad excepcional del haz de luz. Camera aprovecha los beneficios de una innovadora lente de silicona micro texturizada que permite un control extremo además de proporcionar una eficiencia absoluta, resistencia al calor y máxima calidad en la distribución de la luz. Incorpora un LED Array con un tratamiento de su proyección de luz innovador que permite ópticas muy estrechas y de iluminación general. Atenuador de "cut-off" completo integrado.

El kit óptico disponible incluye 5 aberturas de haz diferenciadas, cada una desarrollada para una aplicación especial. Tanto si se trata de haces intensivos o efectos de luz difusa, el control óptico siempre es excepcional y la luz espuria está totalmente ausente.

Unidades de Alimentación

Fuente de alimentación de corriente constante incluida disponible en versión no regulable o regulable vía Potenciometro incorporado, Dalí y Casambi.

Para gestión mediante Casambi (Máximo 200 luminarias) es necesario pedir luminarias versión Casambi.

Necesaria app FLOS Control® powered by Casambi para dispositivos móviles (disponible en Apple Store y Google Play).

Accesorios

- Honeycomb disponible.

Cumplimiento de Normativa y Marcas de Calidad

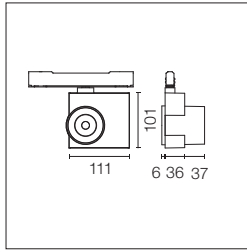
EN60598-1 European Technical Standards and any subsequent additions.

FLOS
CONTROL BY CASAMBI



Camera 60

Light Source: Super Spot: LED Array 13W - 750 lm - 3000K/CRI 97 / 13W - 780 lm - 3500K/CRI 97
 S/M/F/WF: LED Array 20W - 1260 lm - 3000K/CRI 97 / 20W - 1355 lm - 3500K/CRI 97

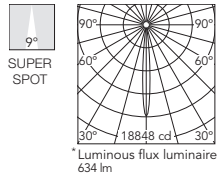


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
 To be used with The Tracking Power profiles.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
 Para ser instalado con los perfiles de Tracking Power.

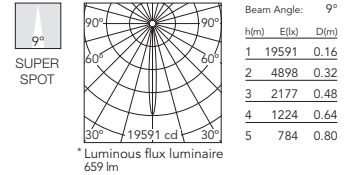
Optic Super Spot 3000K

- Non Dimmable
- 09.8100.WA
- 09.8100.DR
- Potentiometer
- 09.8100.WA.PC
- 09.8100.DR.PC
- **Casambi integrated
- 09.8100.WA.CB
- 09.8100.DR.CB



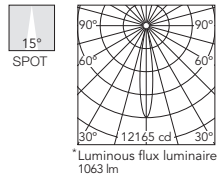
Optic Super Spot 3500K

- Non Dimmable
- 09.8105.WA
- 09.8105.DR
- Potentiometer
- 09.8105.WA.PC
- 09.8105.DR.PC
- **Casambi integrated
- 09.8105.WA.CB
- 09.8105.DR.CB



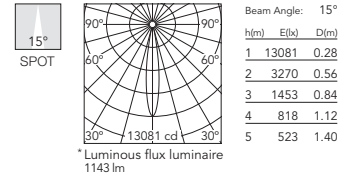
Optic Spot 3000K

- Non Dimmable
- 09.8101.WA
- 09.8101.DR
- Potentiometer
- 09.8101.WA.PC
- 09.8101.DR.PC
- **Casambi integrated
- 09.8101.WA.CB
- 09.8101.DR.CB



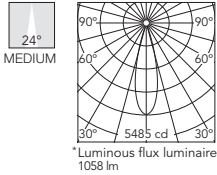
Optic Spot 3500K

- Non Dimmable
- 09.8106.WA
- 09.8106.DR
- Potentiometer
- 09.8106.WA.PC
- 09.8106.DR.PC
- **Casambi integrated
- 09.8106.WA.CB
- 09.8106.DR.CB



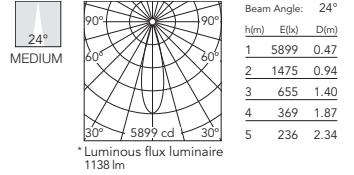
Optic Medium 3000K

- Non Dimmable
- 09.8102.WA
- 09.8102.DR
- Potentiometer
- 09.8102.WA.PC
- 09.8102.DR.PC
- **Casambi integrated
- 09.8102.WA.CB
- 09.8102.DR.CB



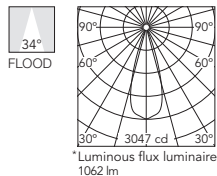
Optic Medium 3500K

- Non Dimmable
- 09.8107.WA
- 09.8107.DR
- Potentiometer
- 09.8107.WA.PC
- 09.8107.DR.PC
- **Casambi integrated
- 09.8107.WA.CB
- 09.8107.DR.CB



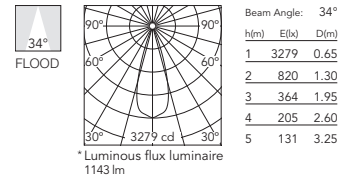
Optic Flood 3000K

- Non Dimmable
- 09.8103.WA
- 09.8103.DR
- Potentiometer
- 09.8103.WA.PC
- 09.8103.DR.PC
- **Casambi integrated
- 09.8103.WA.CB
- 09.8103.DR.CB



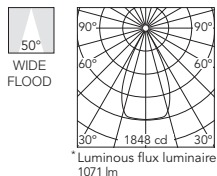
Optic Flood 3500K

- Non Dimmable
- 09.8108.WA
- 09.8108.DR
- Potentiometer
- 09.8108.WA.PC
- 09.8108.DR.PC
- **Casambi integrated
- 09.8108.WA.CB
- 09.8108.DR.CB



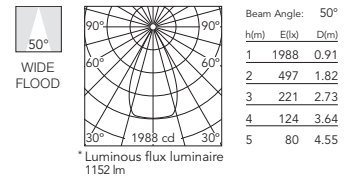
Optic Wide Flood 3000K

- Non Dimmable
- 09.8104.WA
- 09.8104.DR
- Potentiometer
- 09.8104.WA.PC
- 09.8104.DR.PC
- **Casambi integrated
- 09.8104.WA.CB
- 09.8104.DR.CB



Optic Wide Flood 3500K

- Non Dimmable
- 09.8109.WA
- 09.8109.DR
- Potentiometer
- 09.8109.WA.PC
- 09.8109.DR.PC
- **Casambi integrated
- 09.8109.WA.CB
- 09.8109.DR.CB



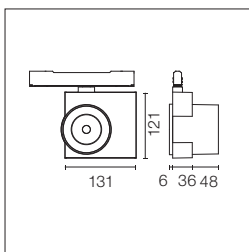
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

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CAMERA

Camera 90

Light Source: Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
 S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97

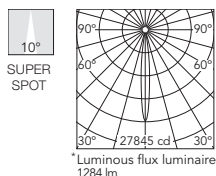


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
 To be used with The Tracking Power profiles.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
 Para ser instalado con los perfiles de Tracking Power.

Optic Super Spot 3000K

- Non Dimmable
- 09.8200.WA
- 09.8200.DR
- Potentiometer
- 09.8200.WA.PC
- 09.8200.DR.PC
- **Casambi integrated
- 09.8200.WA.CB
- 09.8200.DR.CB



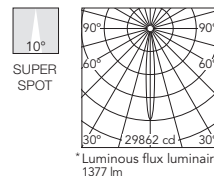
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	27845	0.19
2	6961	0.38
3	3094	0.57
4	1740	0.76
5	1114	0.94

*Luminous flux luminaire 1284 lm

Optic Super Spot 3500K

- Non Dimmable
- 09.8205.WA
- 09.8205.DR
- Potentiometer
- 09.8205.WA.PC
- 09.8205.DR.PC
- **Casambi integrated
- 09.8205.WA.CB
- 09.8205.DR.CB



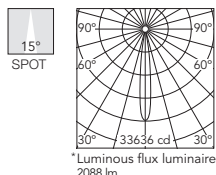
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	29862	0.19
2	7465	0.38
3	3318	0.57
4	1866	0.76
5	1194	0.94

*Luminous flux luminaire 1377 lm

Optic Spot 3000K

- Non Dimmable
- 09.8201.WA
- 09.8201.DR
- Potentiometer
- 09.8201.WA.PC
- 09.8201.DR.PC
- **Casambi integrated
- 09.8201.WA.CB
- 09.8201.DR.CB



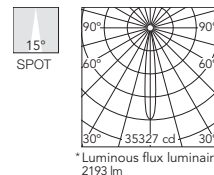
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	33636	0.23
2	8409	0.45
3	3737	0.68
4	2102	0.91
5	1345	1.13

*Luminous flux luminaire 2088 lm

Optic Spot 3500K

- Non Dimmable
- 09.8206.WA
- 09.8206.DR
- Potentiometer
- 09.8206.WA.PC
- 09.8206.DR.PC
- **Casambi integrated
- 09.8206.WA.CB
- 09.8206.DR.CB



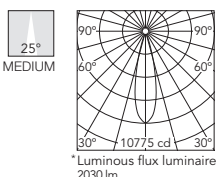
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	35327	0.23
2	8832	0.45
3	3925	0.68
4	2208	0.91
5	1413	1.13

*Luminous flux luminaire 2193 lm

Optic Medium 3000K

- Non Dimmable
- 09.8202.WA
- 09.8202.DR
- Potentiometer
- 09.8202.WA.PC
- 09.8202.DR.PC
- **Casambi integrated
- 09.8202.WA.CB
- 09.8202.DR.CB



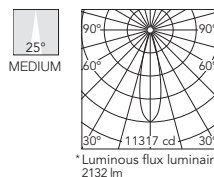
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	10775	0.44
2	2694	0.88
3	1197	1.33
4	673	1.77
5	431	2.21

*Luminous flux luminaire 2030 lm

Optic Medium 3500K

- Non Dimmable
- 09.8207.WA
- 09.8207.DR
- Potentiometer
- 09.8207.WA.PC
- 09.8207.DR.PC
- **Casambi integrated
- 09.8207.WA.CB
- 09.8207.DR.CB



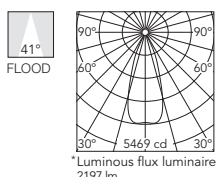
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	11317	0.44
2	2829	0.88
3	1257	1.33
4	707	1.77
5	453	2.21

*Luminous flux luminaire 2132 lm

Optic Flood 3000K

- Non Dimmable
- 09.8203.WA
- 09.8203.DR
- Potentiometer
- 09.8203.WA.PC
- 09.8203.DR.PC
- **Casambi integrated
- 09.8203.WA.CB
- 09.8203.DR.CB



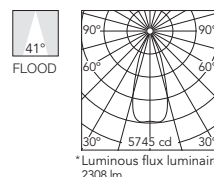
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5469	0.67
2	1367	1.35
3	608	2.02
4	342	2.69
5	219	3.37

*Luminous flux luminaire 2197 lm

Optic Flood 3500K

- Non Dimmable
- 09.8208.WA
- 09.8208.DR
- Potentiometer
- 09.8208.WA.PC
- 09.8208.DR.PC
- **Casambi integrated
- 09.8208.WA.CB
- 09.8208.DR.CB



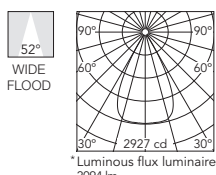
Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5745	0.67
2	1436	1.35
3	638	2.02
4	359	2.69
5	230	3.37

*Luminous flux luminaire 2308 lm

Optic Wide Flood 3000K

- Non Dimmable
- 09.8204.WA
- 09.8204.DR
- Potentiometer
- 09.8204.WA.PC
- 09.8204.DR.PC
- **Casambi integrated
- 09.8204.WA.CB
- 09.8204.DR.CB



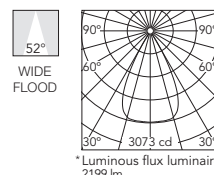
Beam Angle: 52°

h(m)	E(lx)	D(m)
1	2927	1.05
2	732	2.09
3	325	3.14
4	183	4.19
5	117	5.24

*Luminous flux luminaire 2094 lm

Optic Wide Flood 3500K

- Non Dimmable
- 09.8209.WA
- 09.8209.DR
- Potentiometer
- 09.8209.WA.PC
- 09.8209.DR.PC
- **Casambi integrated
- 09.8209.WA.CB
- 09.8209.DR.CB



Beam Angle: 52°

h(m)	E(lx)	D(m)
1	3073	1.05
2	768	2.09
3	341	3.14
4	192	4.19
5	123	5.24

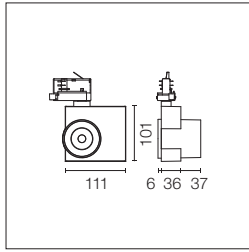
*Luminous flux luminaire 2199 lm

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

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Camera 60 GA-69 (Dali GAC-600)

Light Source: Super Spot: LED Array 13W - 750 lm - 3000K/CRI 97 / 13W - 780 lm - 3500K/CRI 97
 S/M/F/WF: LED Array 20W - 1260 lm - 3000K/CRI 97 / 20W - 1355 lm - 3500K/CRI 97

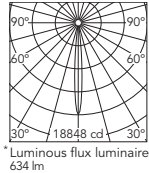


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.
 DALI version requires dimmable tracks (please refer to the "Tracks" chapter).

Projector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.
 Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

Optic Super Spot 3000K

- Non Dimmable
 09.8110.DR
 09.8110.WA
 Dali Version
 09.8110.DR.DA
 09.8110.WA.DA
 Potentiometer
 09.8110.DR.PC
 09.8110.WA.PC
 **Casambi integrated
 09.8110.DR.CB
 09.8110.WA.CB

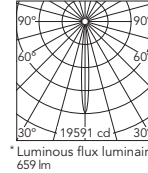


Beam Angle: 9°

h(m)	E(lx)	D(m)
1	18848	0.16
2	4712	0.32
3	2094	0.48
4	1178	0.64
5	754	0.80

Optic Super Spot 3500K

- Non Dimmable
 09.8115.DR
 09.8115.WA
 Dali Version
 09.8115.DR.DA
 09.8115.WA.DA
 Potentiometer
 09.8115.DR.PC
 09.8115.WA.PC
 **Casambi integrated
 09.8115.DR.CB
 09.8115.WA.CB

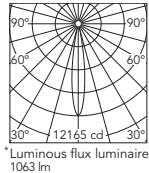


Beam Angle: 9°

h(m)	E(lx)	D(m)
1	19591	0.16
2	4898	0.32
3	2177	0.48
4	1224	0.64
5	784	0.80

Optic Spot 3000K

- Non Dimmable
 09.8111.DR
 09.8111.WA
 Dali Version
 09.8111.DR.DA
 09.8111.WA.DA
 Potentiometer
 09.8111.DR.PC
 09.8111.WA.PC
 **Casambi integrated
 09.8111.DR.CB
 09.8111.WA.CB

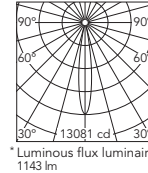


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	12165	0.28
2	3041	0.56
3	1352	0.84
4	760	1.12
5	487	1.40

Optic Spot 3500K

- Non Dimmable
 09.8116.DR
 09.8116.WA
 Dali Version
 09.8116.DR.DA
 09.8116.WA.DA
 Potentiometer
 09.8116.DR.PC
 09.8116.WA.PC
 **Casambi integrated
 09.8116.DR.CB
 09.8116.WA.CB

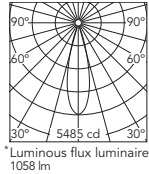


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13081	0.28
2	3270	0.56
3	1453	0.84
4	818	1.12
5	523	1.40

Optic Medium 3000K

- Non Dimmable
 09.8112.DR
 09.8112.WA
 Dali Version
 09.8112.DR.DA
 09.8112.WA.DA
 Potentiometer
 09.8112.DR.PC
 09.8112.WA.PC
 **Casambi integrated
 09.8112.DR.CB
 09.8112.WA.CB

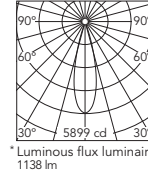


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5485	0.47
2	1371	0.94
3	609	1.40
4	343	1.87
5	219	2.34

Optic Medium 3500K

- Non Dimmable
 09.8117.DR
 09.8117.WA
 Dali Version
 09.8117.DR.DA
 09.8117.WA.DA
 Potentiometer
 09.8117.DR.PC
 09.8117.WA.PC
 **Casambi integrated
 09.8117.DR.CB
 09.8117.WA.CB

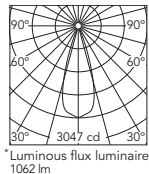


Beam Angle: 24°

h(m)	E(lx)	D(m)
1	5899	0.47
2	1475	0.94
3	655	1.40
4	369	1.87
5	236	2.34

Optic Flood 3000K

- Non Dimmable
 09.8113.DR
 09.8113.WA
 Dali Version
 09.8113.DR.DA
 09.8113.WA.DA
 Potentiometer
 09.8113.DR.PC
 09.8113.WA.PC
 **Casambi integrated
 09.8113.DR.CB
 09.8113.WA.CB

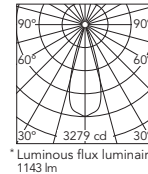


Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3047	0.65
2	762	1.30
3	339	1.95
4	190	2.60
5	122	3.25

Optic Flood 3500K

- Non Dimmable
 09.8118.DR
 09.8118.WA
 Dali Version
 09.8118.DR.DA
 09.8118.WA.DA
 Potentiometer
 09.8118.DR.PC
 09.8118.WA.PC
 **Casambi integrated
 09.8118.DR.CB
 09.8118.WA.CB



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3279	0.65
2	820	1.30
3	364	1.95
4	205	2.60
5	131	3.25

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

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CAMERA

Optic Wide Flood 3000K

Non Dimmable

- 09.8114.DR
- 09.8114.WA

Dali Version

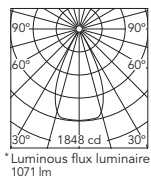
- 09.8114.DR.DA
- 09.8114.WA.DA

Potentiometer

- 09.8114.DR.PC
- 09.8114.WA.PC

**Casambi integrated

- 09.8114.DR.CB
- 09.8114.WA.CB



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1848	0.91
2	462	1.82
3	205	2.73
4	116	3.64
5	74	4.55

* Luminous flux luminaire 1071 lm

Optic Wide Flood 3500K

Non Dimmable

- 09.8119.DR
- 09.8119.WA

Dali Version

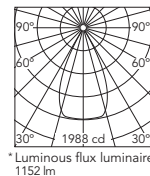
- 09.8119.DR.DA
- 09.8119.WA.DA

Potentiometer

- 09.8119.DR.PC
- 09.8119.WA.PC

**Casambi integrated

- 09.8119.DR.CB
- 09.8119.WA.CB



Beam Angle: 50°

h(m)	E(lx)	D(m)
1	1988	0.91
2	497	1.82
3	221	2.73
4	124	3.64
5	80	4.55

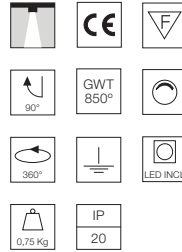
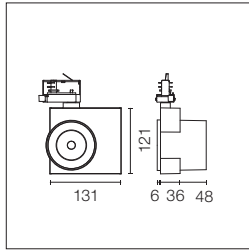
* Luminous flux luminaire 1152 lm

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

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Camera 90 GA-69 (Dali GAC-600)

Light Source: Super Spot: LED Array 20W - 1515 lm - 3000K/CRI 97 / 20W - 1625 lm - 3500K/CRI 97
 S/M/F/WF: LED Array 32W - 2585 lm - 3000K/CRI 97 / 32W - 2715 lm - 3500K/CRI 97

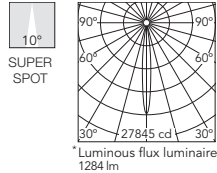


Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated. DALI version requires dimmable tracks (please refer to the "Tracks" chapter).

Projector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada. Para la versión DALI necesita carriles dimmables (ver capítulo "Tracks").

Optic Super Spot 3000K

- Non Dimmable
- 09.8210.DR
- 09.8210.WA
- Dali Version
- 09.8210.DR.DA
- 09.8210.WA.DA
- Potentiometer
- 09.8210.DR.PC
- 09.8210.WA.PC
- **Casambi integrated
- 09.8210.DR.CB
- 09.8210.WA.CB

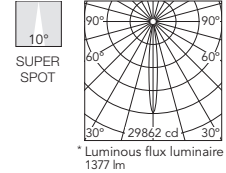


Beam Angle: 10°

h(m)	E(lx)	D(m)
1	27845	0.19
2	6961	0.38
3	3094	0.57
4	1740	0.76
5	1114	0.94

Optic Super Spot 3500K

- Non Dimmable
- 09.8215.DR
- 09.8215.WA
- Dali Version
- 09.8215.DR.DA
- 09.8215.WA.DA
- Potentiometer
- 09.8215.DR.PC
- 09.8215.WA.PC
- **Casambi integrated
- 09.8215.DR.CB
- 09.8215.WA.CB

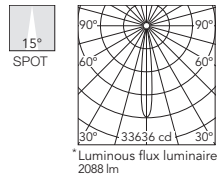


Beam Angle: 10°

h(m)	E(lx)	D(m)
1	29862	0.19
2	7465	0.38
3	3318	0.57
4	1866	0.76
5	1194	0.94

Optic Spot 3000K

- Non Dimmable
- 09.8211.DR
- 09.8211.WA
- Dali Version
- 09.8211.DR.DA
- 09.8211.WA.DA
- Potentiometer
- 09.8211.DR.PC
- 09.8211.WA.PC
- **Casambi integrated
- 09.8211.DR.CB
- 09.8211.WA.CB

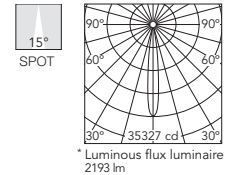


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	33636	0.23
2	8409	0.45
3	3737	0.68
4	2102	0.91
5	1345	1.13

Optic Spot 3500K

- Non Dimmable
- 09.8216.DR
- 09.8216.WA
- Dali Version
- 09.8216.DR.DA
- 09.8216.WA.DA
- Potentiometer
- 09.8216.DR.PC
- 09.8216.WA.PC
- **Casambi integrated
- 09.8216.DR.CB
- 09.8216.WA.CB

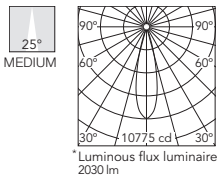


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	35327	0.23
2	8832	0.45
3	3925	0.68
4	2208	0.91
5	1413	1.13

Optic Medium 3000K

- Non Dimmable
- 09.8212.DR
- 09.8212.WA
- Dali Version
- 09.8212.DR.DA
- 09.8212.WA.DA
- Potentiometer
- 09.8212.DR.PC
- 09.8212.WA.PC
- **Casambi integrated
- 09.8212.DR.CB
- 09.8212.WA.CB

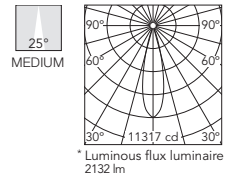


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	10775	0.44
2	2694	0.88
3	1197	1.33
4	673	1.77
5	431	2.21

Optic Medium 3500K

- Non Dimmable
- 09.8217.DR
- 09.8217.WA
- Dali Version
- 09.8217.DR.DA
- 09.8217.WA.DA
- Potentiometer
- 09.8217.DR.PC
- 09.8217.WA.PC
- **Casambi integrated
- 09.8217.DR.CB
- 09.8217.WA.CB

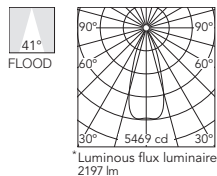


Beam Angle: 25°

h(m)	E(lx)	D(m)
1	11317	0.44
2	2829	0.88
3	1257	1.33
4	707	1.77
5	453	2.21

Optic Flood 3000K

- Non Dimmable
- 09.8213.DR
- 09.8213.WA
- Dali Version
- 09.8213.DR.DA
- 09.8213.WA.DA
- Potentiometer
- 09.8213.DR.PC
- 09.8213.WA.PC
- **Casambi integrated
- 09.8213.DR.CB
- 09.8213.WA.CB

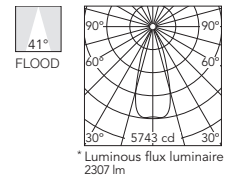


Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5469	0.67
2	1367	1.35
3	608	2.02
4	342	2.69
5	219	3.37

Optic Flood 3500K

- Non Dimmable
- 09.8218.DR
- 09.8218.WA
- Dali Version
- 09.8218.DR.DA
- 09.8218.WA.DA
- Potentiometer
- 09.8218.DR.PC
- 09.8218.WA.PC
- **Casambi integrated
- 09.8218.DR.CB
- 09.8218.WA.CB



Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5743	0.67
2	1436	1.35
3	638	2.02
4	359	2.69
5	230	3.37

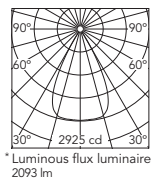
* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

** The control system with the Casambi version of light fixtures is directly and individually regulated wirelessly using the application FLOS Control® by Casambi / El sistema de control con las luminarias versión Casambi, se regula directa e individualmente vía inalámbrica mediante la aplicación FLOS Control® by Casambi.

CAMERA

Optic Wide Flood 3000K

- Non Dimmable
- 09.8214.WA
- 09.8214.DR
- Dali Version
- 09.8214.WA.DA
- 09.8214.DR.DA
- Potentiometer
- 09.8214.WA.PC
- 09.8214.DR.PC
- **Casambi integrated
- 09.8214.WA.CB
- 09.8214.DR.CB

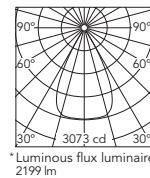


Beam Angle: 52°

	h(m)	E(lx)	D(m)
1	2925	1.05	
2	731	2.09	
3	325	3.14	
4	183	4.19	
5	117	5.24	

Optic Wide Flood 3500K

- Non Dimmable
- 09.8219.WA
- 09.8219.DR
- Dali Version
- 09.8219.WA.DA
- 09.8219.DR.DA
- Potentiometer
- 09.8219.WA.PC
- 09.8219.DR.PC
- **Casambi integrated
- 09.8219.WA.CB
- 09.8219.DR.CB



Beam Angle: 52°

	h(m)	E(lx)	D(m)
1	3073	1.05	
2	768	2.09	
3	341	3.14	
4	192	4.19	
5	123	5.24	

Accessories / Accesorios

Camera 60

Honeycomb
Honeycomb



Super Spot / Spot
08.0175.14
Medium / Flood / Wide Flood
08.0176.14

Camera 90

Honeycomb
Honeycomb



Super Spot / Spot
08.0177.14
Medium / Flood / Wide Flood
08.0178.14

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

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FIND ME

DESIGNED BY JORGE HERRERA

FIND ME 0
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
3,5W
300 lm
2700K/CRI 90
325 lm
3000K/CRI 90

FIND ME 1
TRIM / NO TRIM



FIND ME 1
2L



LIGHT SOURCE
POWER LED
6W
560 lm
2700K/CRI 90
600 lm
3000K/CRI 90

FIND ME 1
SUSPENSION



FIND ME 2
TRIM / NO TRIM



LIGHT SOURCE
POWER LED
10W
860 lm
2700K/CRI 90
900 lm
3000K/CRI 90

30 White
30 Blanco

06 Chrome
06 Cromo

14 Black
14 Negro

Mono Point



Double Point



Suspension



Screening Cylinder Colours (included)
Colores del Cilindro Apantallador (incluidos)

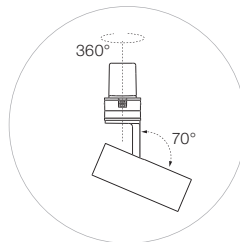
Orange
Naranja

Violet
Violeta

Black
Negro



Can be rotated 360° and swivelled 70°.
Puede ser rotado 360° y orientado 70°.



reddot design award
winner 2013

FIND ME

Description

Spotlight family for indoor use, easy to mount on plasterboard ceilings, comprised of one or two LED lighting modules.

The luminaire is available in following versions: Mono Point, Double Point and Suspension.

The Mono Point version is supplied with a recessed cylindrical frame, which houses the lighting module. This lighting module can be placed in its upper position, when it will work like a downlight, or in its lower position, becoming an adjustable spotlight.

The Mono Point version is supplied with a frame, which should be fitted to the product if a Trim version is required, or without, if a No Trim version is required.

The Double Point version is supplied with an injected thermoplastic material frame, which houses two lighting modules. Like the Mono Point version, the modules are directional and the frame enables the product to be concealed, leaving just the end visible.

The Suspension version is a variant of the Mono Point version. Its main characteristic is its suspended mounting.

Reflectors

The luminaire is designed for accent lighting.

Power Supply

The fitting is supplied prewired ready to be connected to a remote power supply (not included) installed in an accessible place or to be passed through the ceiling cut-out:

Find Me 0: 50 mm.

Find Me 1: 62 mm.

Find Me 2: 70 mm.

Accessories

The Suspension version has interchangeable screening cylinders in 3 colours: orange, violet or black, incorporated into the light fixture.

For the Find Me 1 and 2: professional accessories included.

Additional Information

Adjustable system that allows a 360° rotation on vertical and 70° on horizontal edge.

IP20 protection grade.

Insulation class III.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de proyectores de interiores con una fácil instalación en techos de cartón yeso, formada por uno o dos módulos de iluminación LED.

La luminaria está disponible en las versiones: Mono Point, Double Point y Suspension.

La versión Mono Point se suministra con un marco cilíndrico empotrable sobre el que se instala el módulo de iluminación. Dicho módulo de iluminación puede colocarse en su posición superior, funcionando como un downlight, o en su posición inferior, convirtiéndose en un proyector orientable.

La versión Mono Point se suministra con un marco, aplicable al producto en caso de desear versión Trim, o no instalable en caso de desear versión No Trim.

La versión Double Point consiste en un marco de material termoplástico inyectado en la que se instalan dos módulos de iluminación. Al igual que en el modelo Mono Point, los módulos son orientables.

La versión Suspension es una variante de la versión Mono Point. Su principal característica es su instalación mediante suspensión.

Reflectores

La luminaria se suministra en óptica accent lighting.

Unidades de Alimentación

El producto se suministra precableado para ser conectado a una fuente de alimentación remota (no incluida) instalada en un lugar accesible o que pase a través del agujero de empotramiento:

Find Me 0: 50 mm.

Find Me 1: 62 mm.

Find Me 2: 70 mm.

Accesorios

La versión Suspension dispone de cilindro apantallador en 3 colores: naranja, violeta o negro, intercambiables entre sí, incluidos dentro de la luminaria.

Para el Find Me 1 y 2: accesorios profesionales incluidos.

Información Adicional

Sistema de orientación que permite la rotación 360° en el eje vertical y 70° en el eje horizontal.

Índice de protección IP20.

Clase de aislamiento III.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Suspension
Surface



Suspension
Recessed



Double Point



Mono Point
No Trim

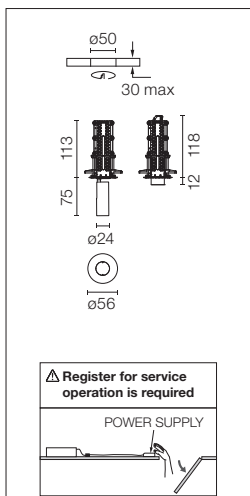


Mono Point
Trim

FIND ME

Find Me 0 (Trim / No Trim)

Light Source: Power LED DC 250 mA - 3,5W - 300 lm - 2700K/CRI 90 / 3,5W - 325 lm - 3000K/CRI 90



Recessed adjustable luminaire for indoor application. Remote power supply 250 mA not included.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota 250 mA no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Remote power supply to be installed in an accessible place.

Fuente de alimentación remota para ser instalada en un lugar accesible.

It is not recommended to use dimmable drivers of several brands due to the specific dimming curves of each brand.

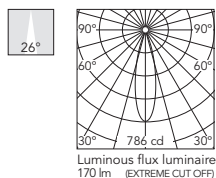
No se recomienda utilizar drivers regulables de diferentes marcas por tener curvas de regulación particulares.

Recommended power supply / Equipos recomendados*:

1/2/3L Non Dimmable 100-240V	60.9389
1/2L Dimmable Dali 1 110-240V	60.8847
1/2/3/4L Dimmable Dali 2 110-240V	60.9222
1/2/3L Dimmable 0-10V 220-240V	60.9405
1/2/3L Non Dimmable 220-240V	60.9160
1/2/3L Mains Dimming 220-240V	60.9467
Casambi	60.9392 + 0-10V/Dali driver

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
- 09.3781.30
 - 09.3781.06
 - 09.3781.14

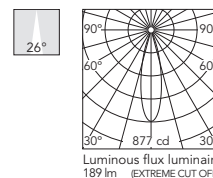


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	786	0.45
2	197	0.91
3	87	1.36
4	49	1.82
5	31	2.27

Luminous flux luminaire 170 lm (EXTREME CUT OFF)

- 3000K**
- 09.3780.30
 - 09.3780.06
 - 09.3780.14



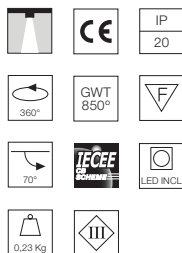
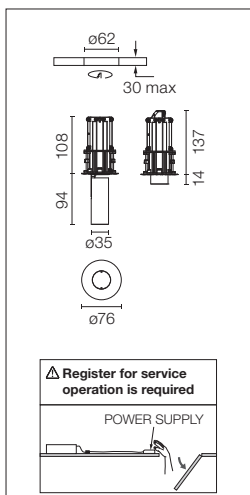
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	877	0.45
2	219	0.91
3	97	1.36
4	55	1.82
5	35	2.27

Luminous flux luminaire 189 lm (EXTREME CUT OFF)

Find Me 1 (Trim / No Trim)

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90



Recessed adjustable luminaire for indoor application. Remote power supply 500 mA not included.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota 500 mA no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Remote power supply to be installed in an accessible place.

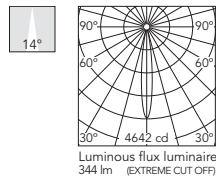
Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable 220-240V	60.9160
Dimmable Dali 1 110-240V	60.8847
Dimmable Dali 2 110-240V	60.9222
Mains Dimming 220-240V	60.9411
Dimmable 0/1-10V&Push 110/240V	60.9188
Non Dimmable 110-240V	60.8880
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

- 2700K**
- 09.3751.30
 - 09.3751.06
 - 09.3751.14

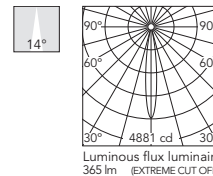


Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

Luminous flux luminaire 344 lm (EXTREME CUT OFF)

- 3000K**
- 09.3750.30
 - 09.3750.06
 - 09.3750.14

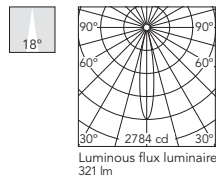


Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

Luminous flux luminaire 365 lm (EXTREME CUT OFF)

- 2700K**
- 09.3756.30
 - 09.3756.06
 - 09.3756.14

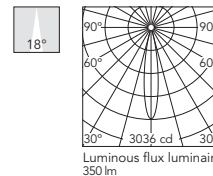


Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2784	0.31
2	696	0.62
3	309	0.93
4	174	1.23
5	111	1.54

Luminous flux luminaire 321 lm

- 3000K**
- 09.3755.30
 - 09.3755.06
 - 09.3755.14



Beam Angle: 18°

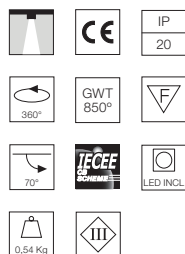
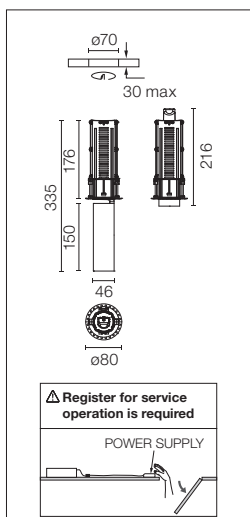
h(m)	E(lx)	D(m)
1	3036	0.31
2	759	0.62
3	337	0.93
4	190	1.23
5	121	1.54

Luminous flux luminaire 350 lm

FIND ME

Find Me 2 (Trim / No Trim)

Light Source: Power LED DC max 850 mA - 10W - 860 Lm - 2700K/CRI 90 / 10W - 900 lm - 3000K/CRI 90



Recessed adjustable luminaire for indoor application. Remote power supply not included.

Luminaria empotrada de interiores orientable. Fuente de alimentación remota no incluida.

Accessories included (honeycomb and screening crosspiece).

Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Remote power supply to be installed in an accessible place.

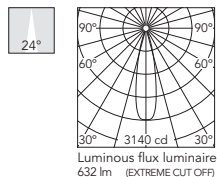
Fuente de alimentación remota para ser instalada en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable MC 110-240V	60.8911
Non Dimmable MC 220-240V	60.9160
Dimmable Dali 1 220-240V	60.9186
Mains Dimming	60.9467
Dim 1-10V/Dim Dali/Push MC 110-240V	60.8530
Non Dimmable 700mA 110-240V	60.8529
Casambi	60.9207

* Refer to the Drivers chapter / Ver capítulo Drivers

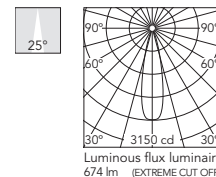
2700K
09.3707.30
09.3707.06
09.3707.14



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	3140	0.42
2	785	0.84
3	349	1.26
4	196	1.68
5	126	2.10

3000K
09.3708.30A
09.3708.06A
09.3708.14A



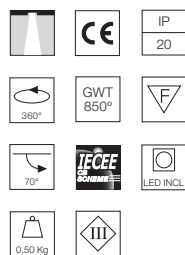
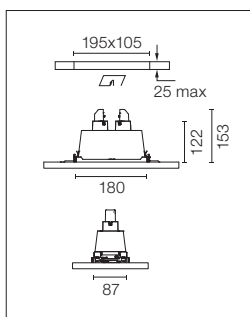
Beam Angle: 25°

h(m)	E(lx)	D(m)
1	3150	0.44
2	788	0.88
3	350	1.32
4	197	1.76
5	126	2.20

Driver current (mA)	2700K		3000K	
	Luminous flux (lm)	Power (W)	Luminous flux (lm)	Power (W)
850	860	10	900	10
800	820	9	860	9
750	770	9	810	9
700	730	8	770	8

Find Me 1 2L

Light Source: Power LED DC 500 mA - 2x6W - 2x560 lm - 2700K/CRI 90 / 2x6W - 2x600 lm - 3000K/CRI 90



Recessed luminaire with two adjustable spots for indoor application. Remote power supply 500 mA not included.

Luminaria empotrada de interiores con dos módulos de iluminación orientables. Fuente de alimentación remota 500 mA no incluida.

Accessories included (honeycomb and screening crosspiece).

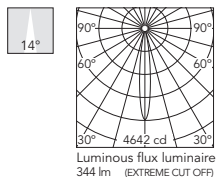
Accesorios incluidos (honeycomb y cruceta de apantallamiento).

Recommended power supply / Equipos recomendados*:

Non Dimmable 60.8880

* Refer to the Drivers chapter / Ver capítulo Drivers

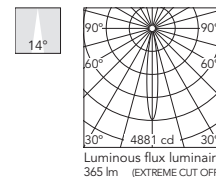
2700K
09.3706.30B
09.3706.14B



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
09.3705.30B
09.3705.14B



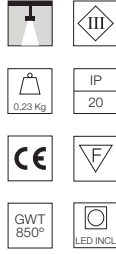
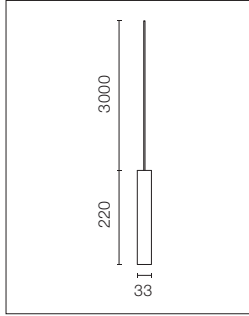
Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

FIND ME

Find Me 1 Suspension

Light Source: Power LED DC 500 mA - 6W - 560 lm - 2700K/CRI 90 / 6W - 600 lm - 3000K/CRI 90



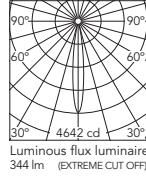
Suspended ceiling-mounted luminaire. The product includes interchangeable shield cylinder in different colours (orange, violet and black). Remote power supply 500 mA not included.

Luminaria para ser instalada a techo mediante suspensión. El producto incluye cilindro apantallador intercambiable de distintos colores (naranja, violeta y negro). Fuente de alimentación remota 500 mA no incluida.

Recommended power supply / Equipos recomendados*:
Non Dimmable 60.8654

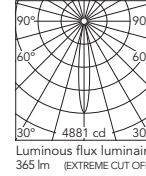
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
09.3711.30B
09.3711.06B
09.3711.14B



Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

3000K
09.3710.30B
09.3710.06B
09.3710.14B



Beam Angle: 14°		
h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

Accessories / Accesorios

Recessed power supply rose.

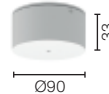
Rosetón de alimentación empotrado.



08.8782.30

Surface power supply rose.
Power supply included.







Rosetón de alimentación de superficie.
Fuente de alimentación incluida.



08.8783.30
08.8783.06
08.8783.14

UT SPOT

DESIGNED BY FLOS ARCHITECTURAL

<p>TRACK Ø57</p>  <p>LIGHT SOURCE LED ARRAY 23,5W 2500 lm 3000K/CRI 80 2080 lm 3000K/CRI 90 2150 lm 4000K/CRI 90</p>	<p>TRACK Ø57</p>  <p>LIGHT SOURCE LED ARRAY 23,5W 2400 lm 3000K/CRI 80 1950 lm 3000K/CRI 90 2150 lm 4000K/CRI 90</p>	<p>CEILING Ø57</p>  <p>LIGHT SOURCE LED ARRAY 23,5W 2400 lm 3000K/CRI 80 1950 lm 3000K/CRI 90 2150 lm 4000K/CRI 90</p>	<p>TRACK Ø86</p>  <p>LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 35,5W 3960 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3500 lm 4000K/CRI 90</p> <p>LIGHT SOURCE PHOSPHOR LED 28,5W 2650 lm 3000K/CRI 98 27W 3000 lm 4000K/CRI 80</p>	<p>TRACK WALL-WASHER Ø86</p>  <p>LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 35,5W 3960 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3500 lm 4000K/CRI 90</p>
<p>TRACK Ø86</p>  <p>LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 35,5W 3960 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3500 lm 4000K/CRI 90</p>	<p>LIGHT SOURCE PHOSPHOR LED 29W 2650 lm 3000K/CRI 98 25W 2650 lm 4000K/CRI 80</p>	<p>TRACK WALL-WASHER Ø86</p>  <p>LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 35,5W 3960 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3500 lm 4000K/CRI 90</p>	<p>TRACK MULTICHIP Ø86</p>  <p>LIGHT SOURCE TOP LED 11,5W 800 lm 3000K/CRI 90 900 lm 3000K/CRI 80 930 lm 4000K/CRI 80</p>	<p>TRACK WALL-WASHER Ø86</p>  <p>LIGHT SOURCE LED ARRAY HIGH PERFORMANCES 32,8W 3950 lm 3000K/CRI 80 3250 lm 3000K/CRI 90 3500 lm 4000K/CRI 90</p> <p>LIGHT SOURCE PHOSPHOR LED 29W 2850 lm 3000K/CRI 98 28W 2850 lm 4000K/CRI 80</p>

□ 30 White
30 Blanco

■ 14 Black
14 Negro

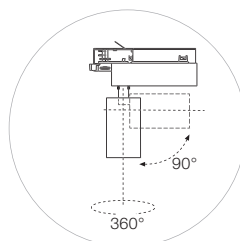
□ 30 White
30 Blanco

■ 14 Black
14 Negro

□ 30.78 All White
30.78 All White



Can be rotated 360° and swivelled 90°.
Puede ser rotado 360° y orientado 90°.



Description

A luminaire for indoor use to be mounted on three phase track or on ceilings, available in LED technology light sources and in DALI and non-DALI versions. The family is available in two sizes (Ø57 / Ø86) and in four different versions: Track (totally flexible installation), Ceiling (stand-alone installation), Multichip (beam angles less than 150°) and Wall-Washer (only Ø86 version). The optical housing of the luminaire is manufactured in high-pressure injected aluminium, with white or black finishes. Remote driver included in ceiling versions. Also available UT Downlight (see Downlights catalogue section).

Power Supply

Not dimmable or dimmable Dali 220-240V, constant current, power supply included. Includes a built-in potentiometer in the track with box version. Versions with a built-in adapter do not include a potentiometer.

Accessories

- Screening crosspiece, elliptical lens, flood lens and honeycomb.
- Support ring (UT Spot ø86).

Additional Information

Suitable for installation on normally inflammable surfaces. FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS. Compatibility is guaranteed with three-phase track produced by Nordic Aluminium. Compatibility with Eutrac under request. To verify compatibility with any other track, please contact FLOS before installation. FLOS three-phase DALI track luminaires are designed for Pulse DALI from Nordic Aluminium.

- UT Spot ø86 (Track / Ceiling):

Thanks to remote-phosphor technology, the LED modules of the Phosphor LED versions offer maximum quality light, the perception of objects and spaces, reaching chromatic reproduction indices of 98, depending on the version. The LED modules installed on the LED Array versions have cutting-edge technology that permit a lower average temperature in the electronics. Thanks to this feature, the luminaire can operate at a higher power inside the safety parameters, yet still offer 20% added luminous flux.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para ser instalada a carril trifásico o sobre techos, disponible con fuentes de luz de tecnología LED de alta potencia y en versión Dali y No Dali. La familia está disponible en dos tamaños (Ø57 y Ø86) y en cuatro versiones diferentes: Track (flexibilidad de instalación total), Ceiling (instalación independiente), Multichip (ángulos de apertura inferiores a 150°) y Wall-Washer (solo versión Ø86). El cuerpo óptico de la luminaria está fabricado en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro. Las luminarias a techo incluyen equipo de alimentación remoto. También disponible UT Downlight (ver la sección Downlights del catálogo).

Unidades de Alimentación

Fuente de alimentación de corriente constante no regulable o regulable Dali 220-240V incluida. Con potenciómetro incorporado en la versión track con caja. Las versiones con adaptador integrado no disponen de potenciómetro.

Accesorios

- Disponibles cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.
- Aro soporte (UT Spot ø86).

Información Adicional

Instalable sobre superficies normalmente inflamables. Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium. Compatibilidad con Eutrac bajo pedido. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas. Las luminarias de FLOS a carril trifásico DALI están diseñadas para el protocolo Pulse DALI de Nordic Aluminium.

- UT Spot ø86 (Track / Ceiling):

Gracias a la remote-phosphor technology, los módulos LED que montan las versiones Phosphor LED ofrecen la máxima calidad de luz posible, percepción de los objetos y espacios, alcanzando índices de reproducción cromática de 98, dependiendo de las versiones. Los módulos LED instalados en las versiones LED Array cuentan con la última generación tecnológica que permite una menor temperatura media en el funcionamiento de la electrónica. Gracias a esta característica, la luminaria puede operar dentro de parámetros de seguridad a una mayor potencia, ofreciendo una aumento del 20% del flujo luminoso.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ceiling

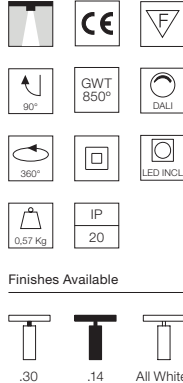
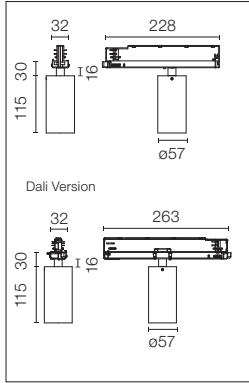


Track

UT SPOT

Ut Spot Track Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2080 lm - 3000K/CRI 90 / 23,5W- 2150 lm - 4000K/CRI 90



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



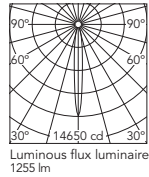
3000K - CRI 80

Non Dimmable

- 09.7700.30A
- 09.7700.14A
- All White
- 09.7700.30A78

Dali Version

- 09.7700.30ADA
- 09.7700.14ADA
- All White
- 09.7700.30AYU



Beam Angle: 10°	h(m)	Et(x)	D(m)
1	14650	0.18	
2	3662	0.36	
3	1628	0.54	
4	916	0.72	
5	586	0.90	

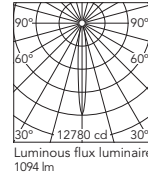
4000K - CRI 90

Non Dimmable

- 09.7701.30A
- 09.7701.14A
- All White
- 09.7701.30A78

Dali Version

- 09.7701.30ADA
- 09.7701.14ADA
- All White
- 09.7701.30AYU



Beam Angle: 10°	h(m)	Et(x)	D(m)
1	12780	0.18	
2	3195	0.36	
3	1420	0.54	
4	799	0.72	
5	511	0.90	

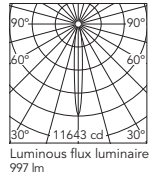
3000K - CRI 90

Non Dimmable

- 09.7706.30A
- 09.7706.14A
- All White
- 09.7706.30A78

Dali Version

- 09.7706.30ADA
- 09.7706.14ADA
- All White
- 09.7706.30AYU



Beam Angle: 10°	h(m)	Et(x)	D(m)
1	11643	0.18	
2	2911	0.36	
3	1294	0.54	
4	728	0.72	
5	466	0.90	

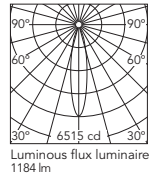
3000K - CRI 80

Non Dimmable

- 09.7702.30A
- 09.7702.14A
- All White
- 09.7702.30A78

Dali Version

- 09.7702.30ADA
- 09.7702.14ADA
- All White
- 09.7702.30AYU



Beam Angle: 21°	h(m)	Et(x)	D(m)
1	6515	0.37	
2	1629	0.73	
3	724	1.10	
4	407	1.47	
5	261	1.83	

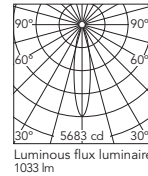
4000K - CRI 90

Non Dimmable

- 09.7703.30A
- 09.7703.14A
- All White
- 09.7703.30A78

Dali Version

- 09.7703.30ADA
- 09.7703.14ADA
- All White
- 09.7703.30AYU



Beam Angle: 21°	h(m)	Et(x)	D(m)
1	5683	0.37	
2	1421	0.73	
3	631	1.10	
4	355	1.47	
5	227	1.83	

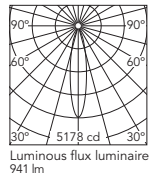
3000K - CRI 90

Non Dimmable

- 09.7707.30A
- 09.7707.14A
- All White
- 09.7707.30A78

Dali Version

- 09.7707.30ADA
- 09.7707.14ADA
- All White
- 09.7707.30AYU



Beam Angle: 21°	h(m)	Et(x)	D(m)
1	5178	0.37	
2	1294	0.73	
3	575	1.10	
4	324	1.47	
5	207	1.83	

UT SPOT

3000K - CRI 80

Non Dimmable

09.7704.30A

09.7704.14A

All White

09.7704.30A78

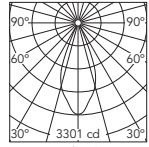
Dali Version

09.7704.30ADA

09.7704.14ADA

All White

09.7704.30AYU



Luminous flux luminaire
1394 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	3301	0.76
2	825	1.52
3	367	2.28
4	206	3.05
5	132	3.81

4000K - CRI 90

Non Dimmable

09.7705.30A

09.7705.14A

All White

09.7705.30A78

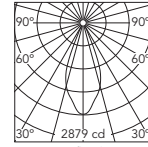
Dali Version

09.7705.30ADA

09.7705.14ADA

All White

09.7705.30AYU



Luminous flux luminaire
1216 lm

Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

3000K - CRI 90

Non Dimmable

09.7708.30A

09.7708.14A

All White

09.7708.30A78

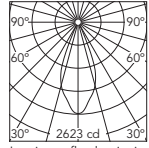
Dali Version

09.7708.30ADA

09.7708.14ADA

All White

09.7708.30AYU



Luminous flux luminaire
1108 lm

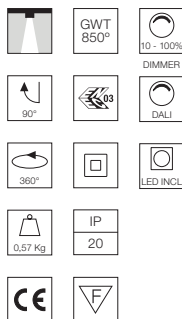
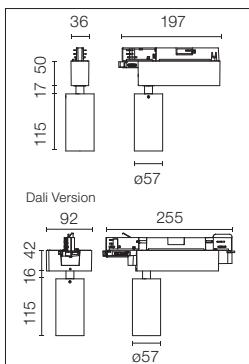
Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

UT SPOT

Ut Spot Track Ø57

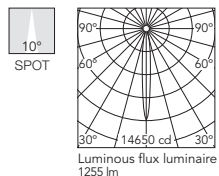
Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2080 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90



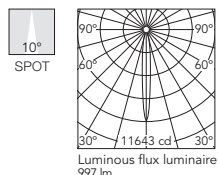
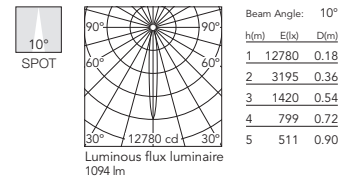
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

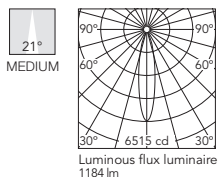
- 3000K - CRI 80**
On board dimmer included
- 09.4440.30A
 - 09.4440.14A
 - Non Dimmable
 - 09.4480.30A
 - 09.4480.14A
 - Dali Version
 - 09.4440.30ADA
 - 09.4440.14ADA
- 3000K - CRI 90**
On board dimmer included
- 09.4443.30A
 - 09.4443.14A
 - Non Dimmable
 - 09.4486.30A
 - 09.4486.14A
 - Dali Version
 - 09.4443.30ADA
 - 09.4443.14ADA



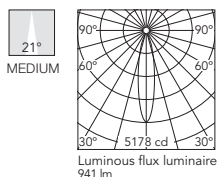
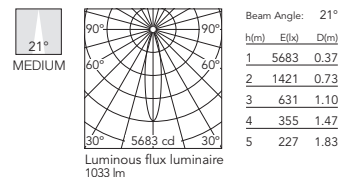
- 4000K - CRI 90**
On board dimmer included
- 09.4450.30A
 - 09.4450.14A
 - Non Dimmable
 - 09.4481.30A
 - 09.4481.14A
 - Dali Version
 - 09.4450.30ADA
 - 09.4450.14ADA



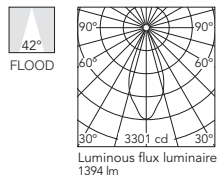
- 3000K - CRI 80**
On board dimmer included
- 09.4441.30A
 - 09.4441.14A
 - Non Dimmable
 - 09.4482.30A
 - 09.4482.14A
 - Dali Version
 - 09.4441.30ADA
 - 09.4441.14ADA
- 3000K - CRI 90**
On board dimmer included
- 09.4444.30A
 - 09.4444.14A
 - Non Dimmable
 - 09.4487.30A
 - 09.4487.14A
 - Dali Version
 - 09.4444.30ADA
 - 09.4444.14ADA



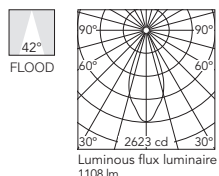
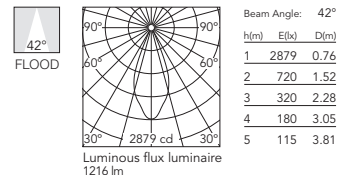
- 4000K - CRI 90**
On board dimmer included
- 09.4451.30A
 - 09.4451.14A
 - Non Dimmable
 - 09.4483.30A
 - 09.4483.14A
 - Dali Version
 - 09.4451.30ADA
 - 09.4451.14ADA



- 3000K - CRI 80**
On board dimmer included
- 09.4442.30A
 - 09.4442.14A
 - Non Dimmable
 - 09.4484.30A
 - 09.4484.14A
 - Dali Version
 - 09.4442.30ADA
 - 09.4442.14ADA
- 3000K - CRI 90**
On board dimmer included
- 09.4445.30A
 - 09.4445.14A
 - Non Dimmable
 - 09.4488.30A
 - 09.4488.14A
 - Dali Version
 - 09.4445.30ADA
 - 09.4445.14ADA



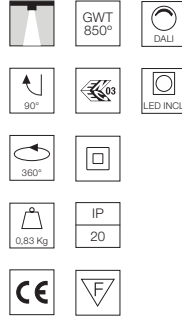
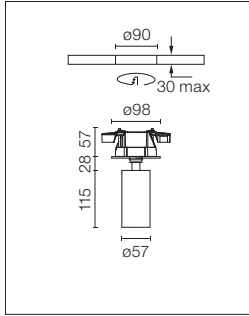
- 4000K - CRI 90**
On board dimmer included
- 09.4452.30A
 - 09.4452.14A
 - Non Dimmable
 - 09.4485.30A
 - 09.4485.14A
 - Dali Version
 - 09.4452.30ADA
 - 09.4452.14ADA



UT SPOT

Ut Spot Ceiling Ø57

Light Source: LED Array 23,5W - 2500 lm - 3000K/CRI 80 / 23,5W - 2080 lm - 3000K/CRI 90 / 23,5W - 2150 lm - 4000K/CRI 90

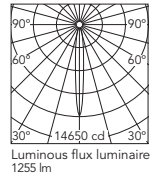


Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

- Non Dimmable
 09.4460.30A
 09.4460.14A
 Dali Version
 09.4460.30ADA
 09.4460.14ADA



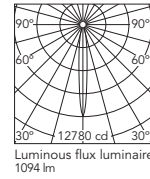
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	14650	0.18
2	3662	0.36
3	1628	0.54
4	916	0.72
5	586	0.90

Luminous flux luminaire 1255 lm

4000K - CRI 90

- Non Dimmable
 09.4470.30A
 09.4470.14A
 Dali Version
 09.4470.30ADA
 09.4470.14ADA



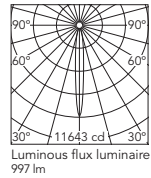
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	12780	0.18
2	3195	0.36
3	1420	0.54
4	799	0.72
5	511	0.90

Luminous flux luminaire 1094 lm

3000K - CRI 90

- Non Dimmable
 09.4463.30A
 09.4463.14A
 Dali Version
 09.4463.30ADA
 09.4463.14ADA



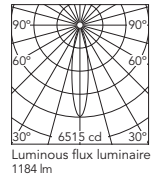
Beam Angle: 10°

h(m)	E(lx)	D(m)
1	11643	0.18
2	2911	0.36
3	1294	0.54
4	728	0.72
5	466	0.90

Luminous flux luminaire 997 lm

3000K - CRI 80

- Non Dimmable
 09.4461.30A
 09.4461.14A
 Dali Version
 09.4461.30ADA
 09.4461.14ADA



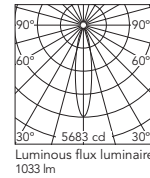
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	6515	0.37
2	1629	0.73
3	724	1.10
4	407	1.47
5	261	1.83

Luminous flux luminaire 1184 lm

4000K - CRI 90

- Non Dimmable
 09.4471.30A
 09.4471.14A
 Dali Version
 09.4471.30ADA
 09.4471.14ADA



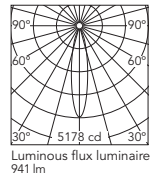
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5683	0.37
2	1421	0.73
3	631	1.10
4	355	1.47
5	227	1.83

Luminous flux luminaire 1033 lm

3000K - CRI 90

- Non Dimmable
 09.4464.30A
 09.4464.14A
 Dali Version
 09.4464.30ADA
 09.4464.14ADA



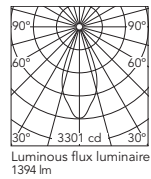
Beam Angle: 21°

h(m)	E(lx)	D(m)
1	5178	0.37
2	1294	0.73
3	575	1.10
4	324	1.47
5	207	1.83

Luminous flux luminaire 941 lm

3000K - CRI 80

- Non Dimmable
 09.4462.30A
 09.4462.14A
 Dali Version
 09.4462.30ADA
 09.4462.14ADA



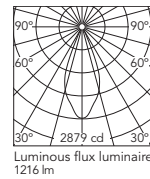
Beam Angle: 42°

h(m)	E(lx)	D(m)
1	3301	0.76
2	825	1.52
3	367	2.28
4	206	3.05
5	132	3.81

Luminous flux luminaire 1394 lm

4000K - CRI 90

- Non Dimmable
 09.4472.30A
 09.4472.14A
 Dali Version
 09.4472.30ADA
 09.4472.14ADA



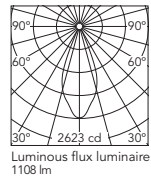
Beam Angle: 42°

h(m)	E(lx)	D(m)
1	2879	0.76
2	720	1.52
3	320	2.28
4	180	3.05
5	115	3.81

Luminous flux luminaire 1216 lm

3000K - CRI 90

- Non Dimmable
 09.4465.30A
 09.4465.14A
 Dali Version
 09.4465.30ADA
 09.4465.14ADA



Beam Angle: 42°

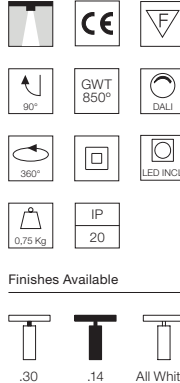
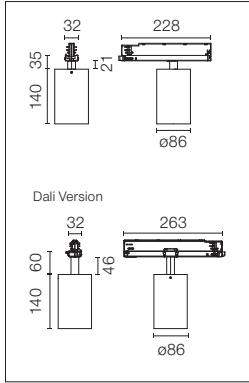
h(m)	E(lx)	D(m)
1	2623	0.76
2	656	1.52
3	291	2.28
4	164	3.05
5	105	3.81

Luminous flux luminaire 1108 lm

UT SPOT

Ut Spot Track Ø86

Light Source: LED Array High Performances 35,5W - 3770 lm - 3000K/CRI 80 / 35,5W - 3116 lm - 3000K/CRI 90 / 35,5W - 3246 lm - 4000K/CRI 90



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



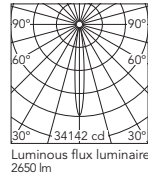
3000K - CRI 80

Non Dimmable

- 09.7750.30A
- 09.7750.14A
- All White
- 09.7750.30A78

Dali Version

- 09.7750.30ADA
- 09.7750.14ADA
- All White
- 09.7750.30AYU



h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

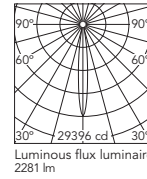
4000K - CRI 90

Non Dimmable

- 09.7751.30A
- 09.7751.14A
- All White
- 09.7751.30A78

Dali Version

- 09.7751.30ADA
- 09.7751.14ADA
- All White
- 09.7751.30AYU



h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

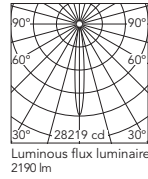
3000K - CRI 90

Non Dimmable

- 09.7756.30A
- 09.7756.14A
- All White
- 09.7756.30A78

Dali Version

- 09.7756.30ADA
- 09.7756.14ADA
- All White
- 09.7756.30AYU



h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

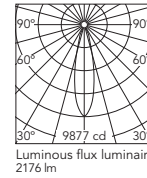
4000K - CRI 90

Non Dimmable

- 09.7753.30A
- 09.7753.14A
- All White
- 09.7753.30A78

Dali Version

- 09.7753.30ADA
- 09.7753.14ADA
- All White
- 09.7753.30AYU



h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

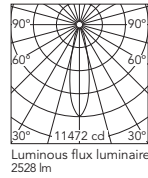
3000K - CRI 80

Non Dimmable

- 09.7752.30A
- 09.7752.14A
- All White
- 09.7752.30A78

Dali Version

- 09.7752.30ADA
- 09.7752.14ADA
- All White
- 09.7752.30AYU



h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

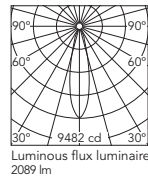
3000K - CRI 90

Non Dimmable

- 09.7757.30A
- 09.7757.14A
- All White
- 09.7757.30A78

Dali Version

- 09.7757.30ADA
- 09.7757.14ADA
- All White
- 09.7757.30AYU



h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

UT SPOT

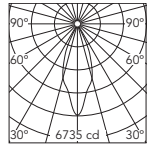
3000K - CRI 80

Non Dimmable

- 09.7754.30A
- 09.7754.14A
- All White
- 09.7754.30A78

Dali Version

- 09.7754.30ADA
- 09.7754.14ADA
- All White
- 09.7754.30AYU



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

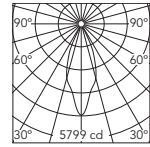
4000K - CRI 90

Non Dimmable

- 09.7755.30A
- 09.7755.14A
- All White
- 09.7755.30A78

Dali Version

- 09.7755.30ADA
- 09.7755.14ADA
- All White
- 09.7755.30AYU



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

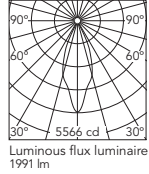
3000K - CRI 90

Non Dimmable

- 09.7758.30A
- 09.7758.14A
- All White
- 09.7758.30A78

Dali Version

- 09.7758.30ADA
- 09.7758.14ADA
- All White
- 09.7758.30AYU



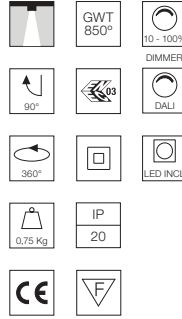
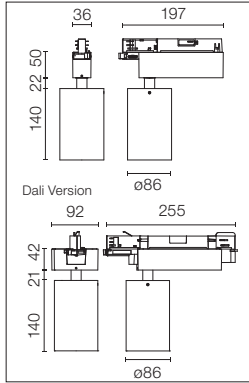
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

UT SPOT

Ut Spot Track Ø86

Light Source: LED Array High Performances 35,5W - 3770 lm - 3000K/CRI 80 / 35,5W- 3116 lm - 3000K/CRI 90 / 35,5W - 3246 lm - 4000K/CRI 90



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 80

On board dimmer included

- ☐ 09.4840.30A
- 09.4840.14A

Non Dimmable

- ☐ 09.4880.30A
- 09.4880.14A

Dali Version

- ☐ 09.4840.30ADA
- 09.4840.14ADA

3000K - CRI 90

On board dimmer included

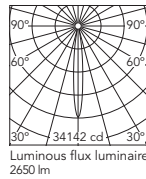
- ☐ 09.4843.30A
- 09.4843.14A

Non Dimmable

- ☐ 09.4886.30A
- 09.4886.14A

Dali Version

- ☐ 09.4843.30ADA
- 09.4843.14ADA



h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

4000K - CRI 90

On board dimmer included

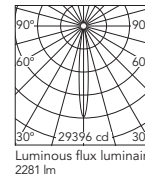
- ☐ 09.4850.30A
- 09.4850.14A

Non Dimmable

- ☐ 09.4881.30A
- 09.4881.14A

Dali Version

- ☐ 09.4850.30ADA
- 09.4850.14ADA



h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 80

On board dimmer included

- ☐ 09.4841.30A
- 09.4841.14A

Non Dimmable

- ☐ 09.4882.30A
- 09.4882.14A

Dali Version

- ☐ 09.4841.30ADA
- 09.4841.14ADA

3000K - CRI 90

On board dimmer included

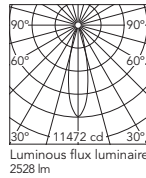
- ☐ 09.4844.30A
- 09.4844.14A

Non Dimmable

- ☐ 09.4887.30A
- 09.4887.14A

Dali Version

- ☐ 09.4844.30ADA
- 09.4844.14ADA



h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

4000K - CRI 90

On board dimmer included

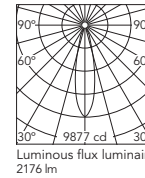
- ☐ 09.4851.30A
- 09.4851.14A

Non Dimmable

- ☐ 09.4883.30A
- 09.4883.14A

Dali Version

- ☐ 09.4851.30ADA
- 09.4851.14ADA



h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 80

On board dimmer included

- ☐ 09.4842.30A
- 09.4842.14A

Non Dimmable

- ☐ 09.4884.30A
- 09.4884.14A

Dali Version

- ☐ 09.4842.30ADA
- 09.4842.14ADA

3000K - CRI 90

On board dimmer included

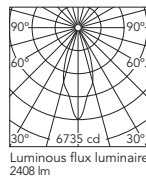
- ☐ 09.4845.30A
- 09.4845.14A

Non Dimmable

- ☐ 09.4888.30A
- 09.4888.14A

Dali Version

- ☐ 09.4845.30ADA
- 09.4845.14ADA



h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

4000K - CRI 90

On board dimmer included

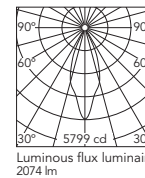
- ☐ 09.4852.30A
- 09.4852.14A

Non Dimmable

- ☐ 09.4885.30A
- 09.4885.14A

Dali Version

- ☐ 09.4852.30ADA
- 09.4852.14ADA

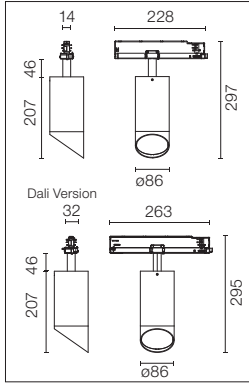


h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

UT SPOT

Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 35,5W - 3770 lm - 3000K/CRI 80 / 35,5W - 3116 lm - 3000K/CRI 90 / 35,5W - 3246 lm - 4000K/CRI 90



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.



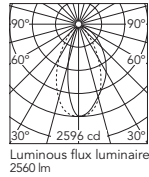
3000K - CRI 80

Non Dimmable

- 09.7770.30A
- 09.7770.14A
- All White
- 09.7770.30A78

Dali Version

- 09.7770.30ADA
- 09.7770.14ADA
- Dali Version All White
- 09.7770.30AYU



h(m)	E(x)	D(m)
1	2596	0.98
2	649	1.97
3	288	2.95
4	162	3.94
5	104	4.92

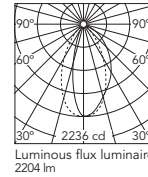
4000K - CRI 90

Non Dimmable

- 09.7772.30A
- 09.7772.14A
- All White
- 09.7772.30A78

Dali Version

- 09.7772.30ADA
- 09.7772.14ADA
- Dali Version All White
- 09.7772.30AYU



h(m)	E(x)	D(m)
1	2236	0.98
2	559	1.97
3	248	2.95
4	140	3.94
5	89	4.92

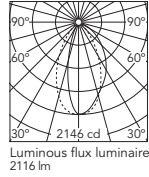
3000K - CRI 90

Non Dimmable

- 09.7771.30A
- 09.7771.14A
- All White
- 09.7771.30A78

Dali Version

- 09.7771.30ADA
- 09.7771.14ADA
- Dali Version All White
- 09.7771.30AYU

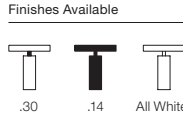
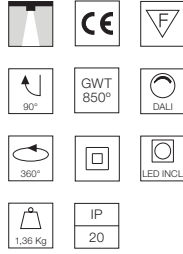
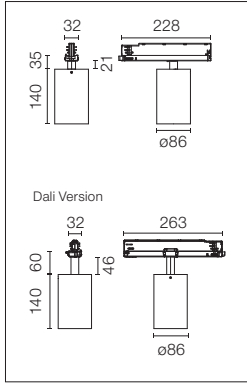


h(m)	E(x)	D(m)
1	2146	0.98
2	537	1.97
3	238	2.95
4	134	3.94
5	86	4.92

UT SPOT

Ut Spot Track Ø86

Light Source: Phosphor LED 28,5W - 3000 lm - 3000K/CRI 98 / 27W - 3000 lm - 4000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

.30 versions come with the track adapter, the arm and the rear of the head in black. In the "All white" versions, the track adapter, the arm, the rear of the head and the head are white. Only the anti-glare ring is black.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Las versiones .30 tienen el adaptador a carril, el brazo y la trasera de la cabeza en negro. En las versiones "all white" el adaptador a carril, el brazo, la trasera de la cabeza y la cabeza son blancas, solo el anillo anti-deslumbramiento permanece en color negro.

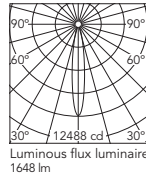
3000K - CRI 98

Non Dimmable

- 09.7733.30
- 09.7733.14
- All White
- 09.7733.30.78

Dali Version

- 09.7733.30.DA
- 09.7733.14.DA
- All White
- 09.7733.30.YU



Beam Angle: 16°	h(m)	E(lx)	D(m)
1	12488	0.28	
2	3122	0.55	
3	1388	0.83	
4	781	1.10	
5	500	1.38	

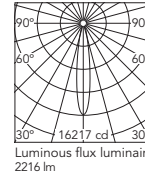
4000K - CRI 80

Non Dimmable

- 09.7730.30
- 09.7730.14
- All White
- 09.7730.30.78

Dali Version

- 09.7730.30.DA
- 09.7730.14.DA
- All White
- 09.7730.30.YU



Beam Angle: 17°	h(m)	E(lx)	D(m)
1	16217	0.29	
2	4054	0.58	
3	1802	0.88	
4	1014	1.17	
5	649	1.46	

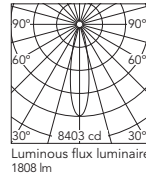
3000K - CRI 98

Non Dimmable

- 09.7734.30A
- 09.7734.14A
- All White
- 09.7734.30A78

Dali Version

- 09.7734.30ADA
- 09.7734.14ADA
- All White
- 09.7734.30AYU



Beam Angle: 23°	h(m)	E(lx)	D(m)
1	8403	0.41	
2	2101	0.82	
3	934	1.23	
4	525	1.64	
5	336	2.05	

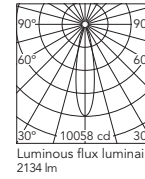
4000K - CRI 80

Non Dimmable

- 09.7731.30A
- 09.7731.14A
- All White
- 09.7731.30A78

Dali Version

- 09.7731.30ADA
- 09.7731.14ADA
- All White
- 09.7731.30AYU



Beam Angle: 23°	h(m)	E(lx)	D(m)
1	10058	0.41	
2	2514	0.81	
3	1118	1.22	
4	629	1.63	
5	402	2.03	

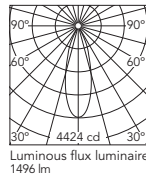
3000K - CRI 98

Non Dimmable

- 09.7735.30
- 09.7735.14
- All White
- 09.7735.30.78

Dali Version

- 09.7735.30.DA
- 09.7735.14.DA
- All White
- 09.7735.30.YU



Beam Angle: 32°	h(m)	E(lx)	D(m)
1	4424	0.57	
2	1106	1.15	
3	492	1.72	
4	276	2.29	
5	177	2.87	

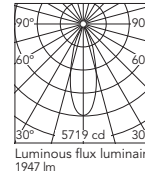
4000K - CRI 80

Non Dimmable

- 09.7732.30
- 09.7732.14
- All White
- 09.7732.30.78

Dali Version

- 09.7732.30.DA
- 09.7732.14.DA
- All White
- 09.7732.30.YU

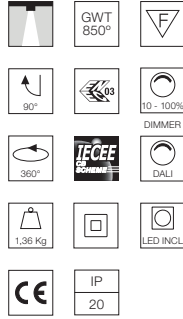
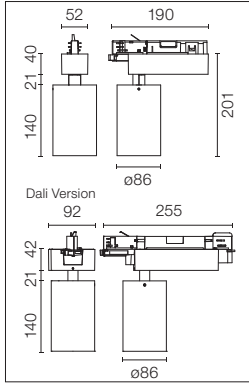


Beam Angle: 32°	h(m)	E(lx)	D(m)
1	5719	0.58	
2	1430	1.15	
3	635	1.73	
4	357	2.31	
5	229	2.89	

UT SPOT

Ut Spot Track Ø86

Light Source: Phosphor LED 33W - 2650 lm - 3000K/CRI 98 / 29,3W - 3000 lm - 4000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K - CRI 98

On board dimmer included

09.4243.30

09.4243.14

Non Dimmable

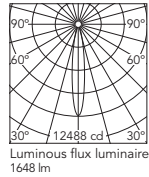
09.4286.30

09.4286.14

Dali Version

09.4243.30.DA

09.4243.14.DA



Beam Angle: 16°

h(m)	E(lx)	D(m)
1	12488	0.28
2	3122	0.55
3	1388	0.83
4	781	1.10
5	500	1.38

1 12488 0.28

2 3122 0.55

3 1388 0.83

4 781 1.10

5 500 1.38

4000K - CRI 80

On board dimmer included

09.4250.30

09.4250.14

Non Dimmable

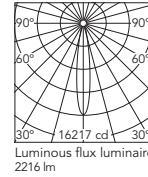
09.4281.30

09.4281.14

Dali Version

09.4250.30.DA

09.4250.14.DA



Beam Angle: 17°

h(m)	E(lx)	D(m)
1	16217	0.29
2	4054	0.58
3	1802	0.88
4	1014	1.17
5	649	1.46

1 16217 0.29

2 4054 0.58

3 1802 0.88

4 1014 1.17

5 649 1.46

3000K - CRI 98

On board dimmer included

09.4244.30A

09.4244.14A

Non Dimmable

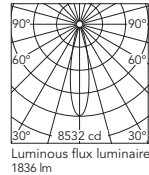
09.4287.30A

09.4287.14A

Dali Version

09.4244.30ADA

09.4244.14ADA



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8532	0.41
2	2133	0.82
3	948	1.23
4	533	1.64
5	341	2.05

1 8532 0.41

2 2133 0.82

3 948 1.23

4 533 1.64

5 341 2.05

4000K - CRI 80

On board dimmer included

09.4251.30A

09.4251.14A

Non Dimmable

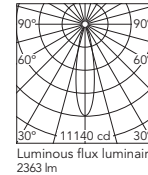
09.4283.30A

09.4283.14A

Dali Version

09.4251.30ADA

09.4251.14ADA



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	11140	0.41
2	2785	0.81
3	1238	1.22
4	696	1.63
5	446	2.03

1 11140 0.41

2 2785 0.81

3 1238 1.22

4 696 1.63

5 446 2.03

3000K - CRI 98

On board dimmer included

09.4245.30

09.4245.14

Non Dimmable

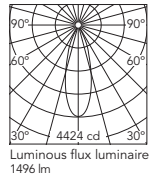
09.4288.30

09.4288.14

Dali Version

09.4245.30.DA

09.4245.14.DA



Beam Angle: 32°

h(m)	E(lx)	D(m)
1	4424	0.57
2	1106	1.15
3	492	1.72
4	276	2.29
5	177	2.87

1 4424 0.57

2 1106 1.15

3 492 1.72

4 276 2.29

5 177 2.87

4000K - CRI 80

On board dimmer included

09.4252.30

09.4252.14

Non Dimmable

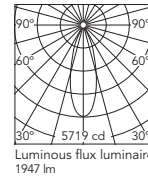
09.4285.30

09.4285.14

Dali Version

09.4252.30.DA

09.4252.14.DA



Beam Angle: 32°

h(m)	E(lx)	D(m)
1	5719	0.58
2	1430	1.15
3	635	1.73
4	357	2.31
5	229	2.89

1 5719 0.58

2 1430 1.15

3 635 1.73

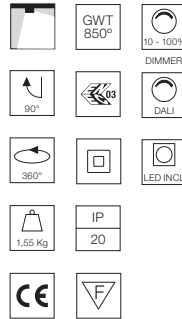
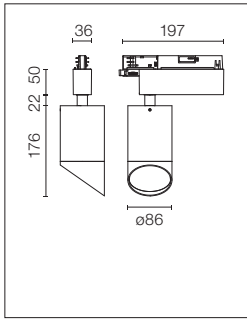
4 357 2.31

5 229 2.89

UT SPOT

Ut Spot Track Wall-Washer Ø86

Light Source: LED Array High Performances 35,5W - 3770 lm - 3000K/CRI 80 / 35,5W - 3116 lm - 3000K/CRI 90 / 35,5W - 3246 lm - 4000K/CRI 90



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

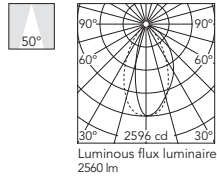
3000K - CRI 80

On board dimmer included

- 09.4950.30A
- 09.4950.14A

- Non Dimmable
- 09.4951.30A
- 09.4951.14A

- Dali Version
- 09.4950.30ADA
- 09.4950.14ADA



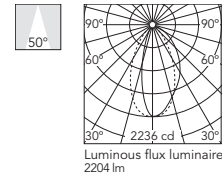
4000K - CRI 90

On board dimmer included

- 09.4956.30A
- 09.4956.14A

- Non Dimmable
- 09.4957.30A
- 09.4957.14A

- Dali Version
- 09.4956.30ADA
- 09.4956.14ADA



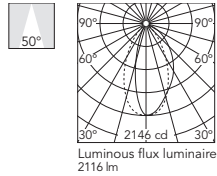
3000K - CRI 90

On board dimmer included

- 09.4953.30A
- 09.4953.14A

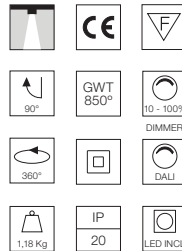
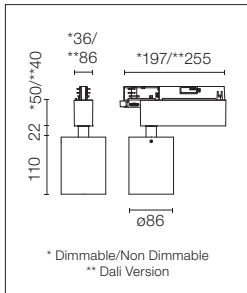
- Non Dimmable
- 09.4954.30A
- 09.4954.14A

- Dali Version
- 09.4953.30ADA
- 09.4953.14ADA



Ut Spot Track Multichip Ø86

Light Source: Top LED 11,5W - 750 lm - 3000K/CRI 90 / 11,5W - 900 lm - 3000K/CRI 80 / 11,5W - 930 lm - 4000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

The accessories are not compatible with this version.

Los accesorios no son compatibles con esta versión.

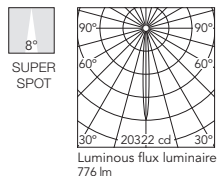
3000K - CRI 80

On board dimmer included

- 09.4980.30
- 09.4980.14

- Non Dimmable
- 09.4983.30
- 09.4983.14

- Dali Version
- 09.4980.30.DA
- 09.4980.14.DA



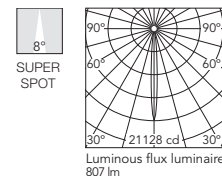
4000K - CRI 80

On board dimmer included

- 09.4982.30
- 09.4982.14

- Non Dimmable
- 09.4985.30
- 09.4985.14

- Dali Version
- 09.4982.30.DA
- 09.4982.14.DA



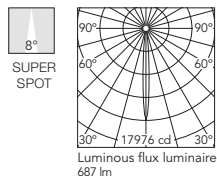
3000K - CRI 90

On board dimmer included

- 09.4981.30
- 09.4981.14

- Non Dimmable
- 09.4984.30
- 09.4984.14

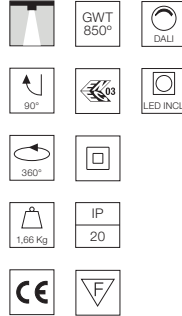
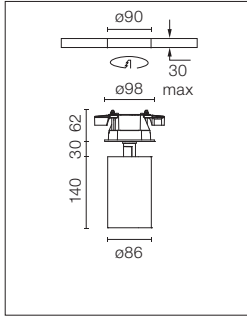
- Dali Version
- 09.4981.30.DA
- 09.4981.14.DA



UT SPOT

Ut Spot Ceiling Ø86

Light Source: LED Array High Performances 32,8W - 3770 lm - 3000K/CRI 80 / 32,8W - 3116 lm - 3000K/CRI 90 / 32,8W - 3246 lm - 4000K/CRI 90



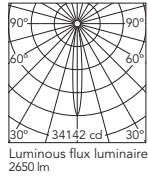
Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 80

Non Dimmable

- 09.4860.30A
- 09.4860.14A
- Dali Version
- 09.4860.30ADA
- 09.4860.14ADA



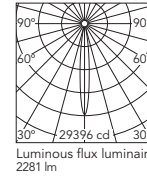
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	34142	0.21
2	8535	0.41
3	3794	0.62
4	2134	0.82
5	1366	1.03

4000K - CRI 90

Non Dimmable

- 09.4870.30A
- 09.4870.14A
- Dali Version
- 09.4870.30ADA
- 09.4870.14ADA



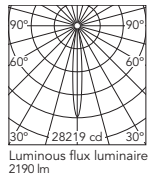
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	29396	0.21
2	7349	0.41
3	3266	0.62
4	1837	0.82
5	1176	1.03

3000K - CRI 90

Non Dimmable

- 09.4863.30A
- 09.4863.14A
- Dali Version
- 09.4863.30ADA
- 09.4863.14ADA



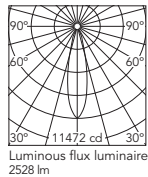
Beam Angle: 12°

h(m)	E(lx)	D(m)
1	28219	0.21
2	7055	0.41
3	3135	0.62
4	1764	0.82
5	1129	1.03

3000K - CRI 80

Non Dimmable

- 09.4861.30A
- 09.4861.14A
- Dali Version
- 09.4861.30ADA
- 09.4861.14ADA



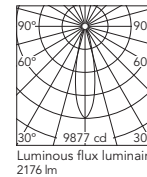
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	11472	0.43
2	2868	0.86
3	1275	1.28
4	717	1.71
5	459	2.14

4000K - CRI 90

Non Dimmable

- 09.4871.30A
- 09.4871.14A
- Dali Version
- 09.4871.30ADA
- 09.4871.14ADA



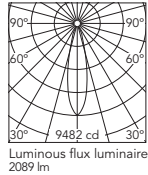
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9877	0.43
2	2469	0.86
3	1097	1.28
4	617	1.71
5	395	2.14

3000K - CRI 90

Non Dimmable

- 09.4864.30A
- 09.4864.14A
- Dali Version
- 09.4864.30ADA
- 09.4864.14ADA



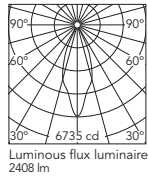
Beam Angle: 24°

h(m)	E(lx)	D(m)
1	9482	0.43
2	2370	0.86
3	1054	1.28
4	593	1.71
5	379	2.14

3000K - CRI 80

Non Dimmable

- 09.4862.30A
- 09.4862.14A
- Dali Version
- 09.4862.30ADA
- 09.4862.14ADA



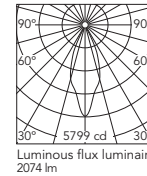
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	6735	0.67
2	1684	1.34
3	748	2.01
4	421	2.69
5	269	3.36

4000K - CRI 90

Non Dimmable

- 09.4872.30A
- 09.4872.14A
- Dali Version
- 09.4872.30ADA
- 09.4872.14ADA



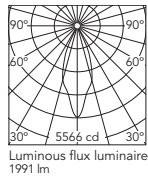
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5799	0.67
2	1450	1.34
3	644	2.01
4	362	2.69
5	232	3.36

3000K - CRI 90

Non Dimmable

- 09.4865.30A
- 09.4865.14A
- Dali Version
- 09.4865.30ADA
- 09.4865.14ADA



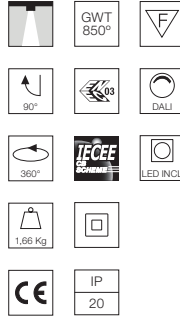
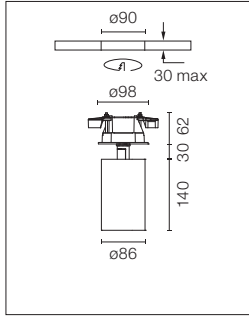
Beam Angle: 37°

h(m)	E(lx)	D(m)
1	5566	0.67
2	1392	1.34
3	618	2.01
4	348	2.69
5	223	3.36

UT SPOT

Ut Spot Ceiling Ø86

Light Source: Phosphor LED 29W - 3000 lm - 3000K/CRI 98 / 28W - 3000 lm - 4000K/CRI 80



Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz remote power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación remota 220-240V, 50-60Hz incluida.

3000K - CRI 98

Non Dimmable

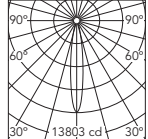
09.4263.30

09.4263.14

Dali Version

09.4263.30.DA

09.4263.14.DA



Luminous flux luminaire 1822 lm

Beam Angle: 16°

h(m)	E(lx)	D(m)
1	13803	0.28
2	3451	0.55
3	1534	0.83
4	863	1.10
5	552	1.38

4000K - CRI 80

Non Dimmable

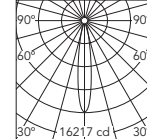
09.4270.30

09.4270.14

Dali Version

09.4270.30.DA

09.4270.14.DA



Luminous flux luminaire 2216 lm

Beam Angle: 17°

h(m)	E(lx)	D(m)
1	16217	0.29
2	4054	0.58
3	1802	0.88
4	1014	1.17
5	649	1.46

3000K - CRI 98

Non Dimmable

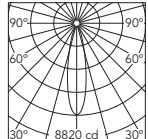
09.4264.30A

09.4264.14A

Dali Version

09.4264.30ADA

09.4264.14ADA



Luminous flux luminaire 1898 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	8820	0.41
2	2205	0.82
3	980	1.23
4	551	1.64
5	353	2.05

4000K - CRI 80

Non Dimmable

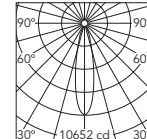
09.4271.30A

09.4271.14A

Dali Version

09.4271.30ADA

09.4271.14ADA



Luminous flux luminaire 2260 lm

Beam Angle: 23°

h(m)	E(lx)	D(m)
1	10652	0.41
2	2663	0.81
3	1184	1.22
4	666	1.63
5	426	2.03

3000K - CRI 98

Non Dimmable

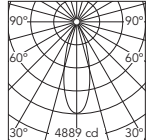
09.4265.30

09.4265.14

Dali Version

09.4265.30.DA

09.4265.14.DA



Luminous flux luminaire 1654 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	4889	0.57
2	1222	1.15
3	543	1.72
4	306	2.29
5	196	2.87

4000K - CRI 80

Non Dimmable

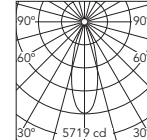
09.4272.30

09.4272.14

Dali Version

09.4272.30.DA

09.4272.14.DA



Luminous flux luminaire 1947 lm

Beam Angle: 32°

h(m)	E(lx)	D(m)
1	5719	0.58
2	1430	1.15
3	635	1.73
4	357	2.31
5	229	2.89

UT SPOT

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory.

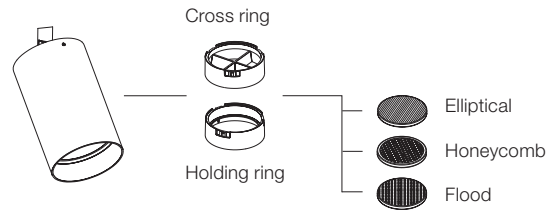
UT Spot Ø86: Installation compatible with honeycomb + lense at the same time.

UT Spot Ø86 Multichip: The accessories are not compatible with this version.


Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción.

UT Spot Ø86: Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

UT Spot Ø86 Multichip: Los accesorios no son compatibles con esta versión.



UT Spot Ø57

Screening crosspiece
Cruceta de apantallamiento  08.8429.00

Elliptical lens
Lente elíptica  08.8431.00

Flood lens
Lente flood  08.8432.00

For Spot & Medium optics

Honeycomb
Honeycomb  08.8428.00

Snoot shielding cone
Cono apantallador  08.0526.00

UT Spot Ø86

Holding ring
Aro soporte  08.8410.00

UT Spot Ø86 Phosphor LED / UT Spot Ø86 LED Array

Screening crosspiece
Cruceta de apantallamiento  08.8411.00

UT Spot Ø86 LED Array

Elliptical lens
Lente elíptica  08.8163.68

Flood lens
Lente flood  08.8175.68

For Spot & Medium optics

Honeycomb
Honeycomb  08.8495.14

SOLID PURE

DESIGNED BY KNUD HOLSCHER

TRACK

CEILING



LIGHT SOURCE
LED ARRAY
23W
2747 lm
3000K/CRI 80
23W
2231 lm
3000K/CRI 90
23W
2865 lm
4000K/CRI 80

LIGHT SOURCE
LED ARRAY
30W
3516 lm
3000K/CRI 80
30W
2855 lm
3000K/CRI 90
30W
3667 lm
4000K/CRI 80

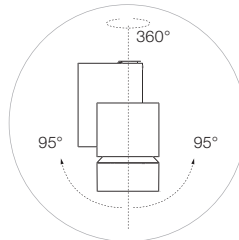
LIGHT SOURCE
LED ARRAY
35W
4321 lm
3000K/CRI 80
35W
3509 lm
3000K/CRI 90
35W
4508 lm
4000K/CRI 80

□ 30 White
30 Blanco

■ 14 Black
14 Negro



Can be rotated 360° and swivelled 190°.
Puede ser rotado 360° y orientado 190°.



reddot design award
winner 2013

480

Description

A luminaire for indoor use to be mounted on three-phase track or on ceilings/walls, available in high power LED technology light sources and in DALI and non-DALI versions.

The optical housing of the luminaire, as well as the container of the power supply equipment, is manufactured in high-pressure injected aluminium, with white, grey or black finishes. The reflector fastening ring houses an accessory-holder element where chromatic filters and honeycomb type anti-glare elements can be housed.

The perfect operation of the LED module is guaranteed thanks to its heat dissipation system, which permits constant recirculation of the air on the inside. To this end, solutions with passive radiators (23/30/35W versions) and active radiators (53W version) are used depending on the required air recirculation flow.

Reflectors

All optics are made of superpure aluminium with specular finish. Symmetrical circular rotary system. Available in 3 optics: spot, medium y flood.

Power Supply

Not dimmable or dimmable Dali 220/240V, constant current, power supply included.

Accessories

- Honeycomb.
- Chromatic filters.

Additional Information

Block system to fix the lightbeam in horizontal (360° rotation on vertical edge) as well as vertical (190° on horizontal edge).

DALI versión for track and surface mounting is available.

IP20 protection grade.

Insulation class I.

Suitable for installation on normally inflammable surfaces.

FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS.

Compatibility is guaranteed with three-phase track produced by Nordic Aluminium and Eutrac. To verify compatibility with any other track, please contact FLOS before installation.

FLOS three-phase DALI track luminaires are designed for Pulse DALI from Nordic Aluminium.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para ser instalada a carril trifásico o sobre techos/paredes disponible con fuentes de luz de tecnología Led de alta potencia y en versión Dali y No Dali. El cuerpo óptico de la luminaria así como el contenedor de los equipos de alimentación están fabricados en aluminio

inyectado a alta presión, acabados en pintura polvo de color blanco, gris o negro. El anillo para la fijación de los reflectores está realizado en material termoplástico de color negro y aloja en su interior un elemento porta accesorios capaz de alojar filtros cromáticos y elementos anti deslumbramiento tipo panel de abeja.

La luminaria a carril incorpora un adaptador a carril trifásico.

El correcto funcionamiento durante la vida útil del módulo Led viene garantizado gracias a un innovador diseño de su sistema de disipación térmica, el cual permite una constante recirculación del flujo del aire en su interior.

Para ello se utilizan soluciones con radiadores pasivos (versiones 23/30/35W) y activos (versión 53W) en función del caudal necesario de la recirculación del aire.

Reflectores

Todas las ópticas están realizadas en aluminio superpuro con acabado espejular. Circular simétrico giratorio.

La luminaria está disponible en tres tipos de reflectores: spot, medium y flood.

Unidades de Alimentación

Fuente de alimentación de corriente constante no regulable o regulable Dali 220/240V incluida.

Accesorios

- Honeycomb.
- Filtros cromáticos.

Información Adicional

Posibilidad de bloquear la orientación del haz de luz tanto en el plano horizontal (rotación a 360° en el eje vertical) como en el plano vertical (190° en el eje horizontal).

Está disponible en versión Dali tanto a carril como a techo.

Índice de protección IP20.

Clase de aislamiento I.

Instalable sobre superficies normalmente inflamables.

Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.

Las luminarias de FLOS a carril trifásico DALI están diseñadas para el protocolo Pulse DALI de Nordic Aluminium.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ceiling

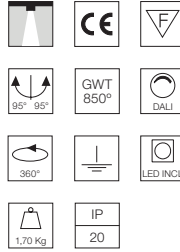
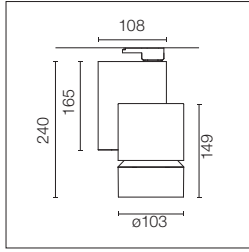


Track

SOLID PURE

Solid Pure Track

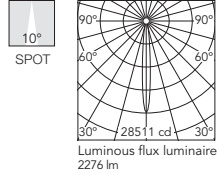
Light Source: LED Array 23W - 2747 lm - 3000K/CRI 80



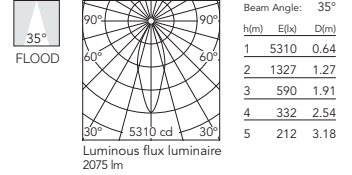
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

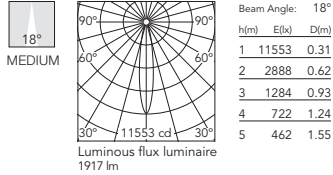
- Non Dimmable
- 09.2888.30
- 09.2888.14
- Dali Version
- 09.2888.30.DA
- 09.2888.14.DA



- Non Dimmable
- 09.2890.30
- 09.2890.14
- Dali Version
- 09.2890.30.DA
- 09.2890.14.DA

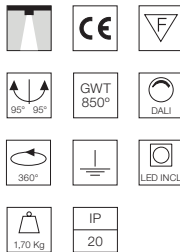
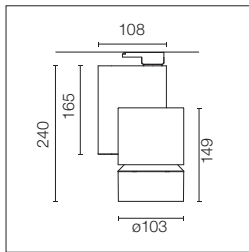


- Non Dimmable
- 09.2889.30
- 09.2889.14
- Dali Version
- 09.2889.30.DA
- 09.2889.14.DA



Solid Pure Track

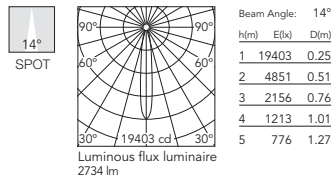
Light Source: LED Array 30W - 3516 lm - 3000K/CRI 80 / 35W - 4321 lm - 3000K/CRI 80



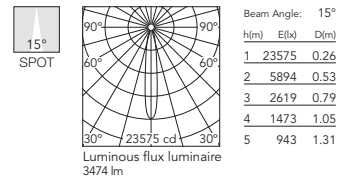
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

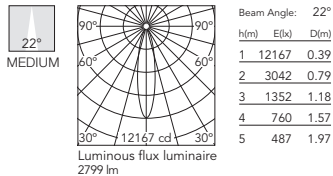
- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2870.30
- 09.2870.14
- Dali Version
- 09.2870.30.DA
- 09.2870.14.DA



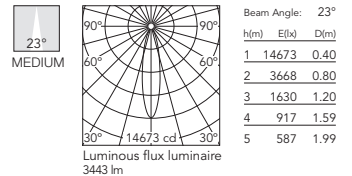
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
- 09.2953.30
- 09.2953.14
- Dali Version
- 09.2953.30.DA
- 09.2953.14.DA



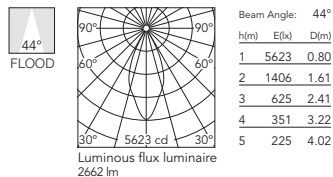
- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2871.30
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- Dali Version
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- 09.2871.14.DA



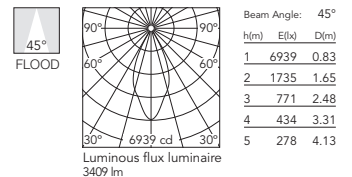
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
- 09.2954.30
- 09.2954.14
- Dali Version
- 09.2954.30.DA
- 09.2954.14.DA



- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2872.30
- 09.2872.14
- Dali Version
- 09.2872.30.DA
- 09.2872.14.DA



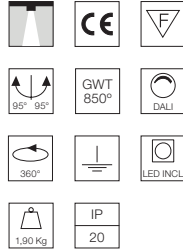
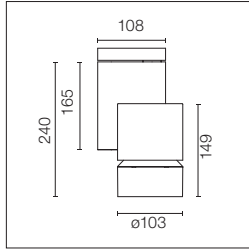
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
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- 09.2955.14
- Dali Version
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- 09.2955.14.DA



SOLID PURE

Solid Pure Ceiling

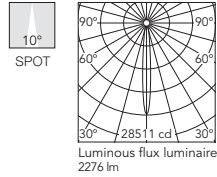
Light Source: LED Array 23W - 2747 lm - 3000K/CRI 80



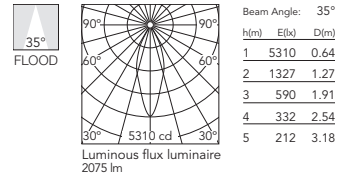
Spotlight to be installed on ceiling/wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

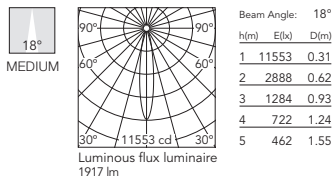
- Non Dimmable
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- 09.2894.14
- Dali Version
- 09.2894.30.DA
- 09.2894.14.DA



- Non Dimmable
- 09.2896.30
- 09.2896.14
- Dali Version
- 09.2896.30.DA
- 09.2896.14.DA

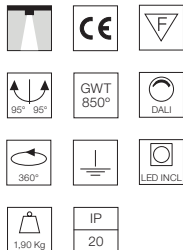
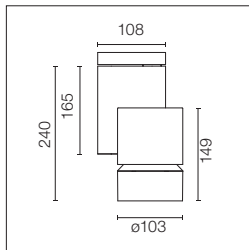


- Non Dimmable
- 09.2895.30
- 09.2895.14
- Dali Version
- 09.2895.30.DA
- 09.2895.14.DA



Solid Pure Ceiling

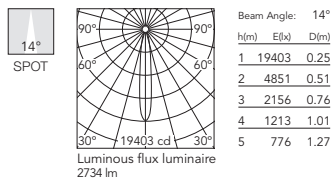
Light Source: LED Array 30W - 3516 lm - 3000K/CRI 80 / 35W - 4321 lm - 3000K/CRI 80



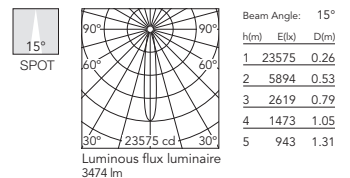
Spotlight to be installed on ceiling/wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

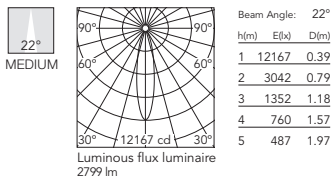
- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2876.30
- 09.2876.14
- Dali Version
- 09.2876.30.DA
- 09.2876.14.DA



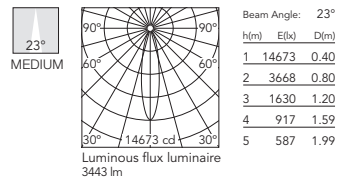
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
- 09.2956.30
- 09.2956.14
- Dali Version
- 09.2956.30.DA
- 09.2956.14.DA



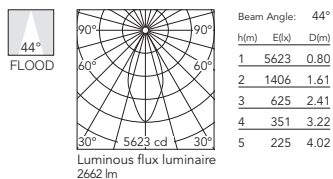
- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2877.30
- 09.2877.14
- Dali Version
- 09.2877.30.DA
- 09.2877.14.DA



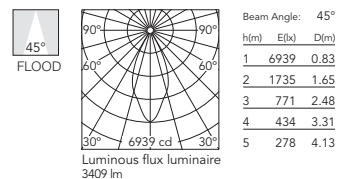
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
- 09.2957.30
- 09.2957.14
- Dali Version
- 09.2957.30.DA
- 09.2957.14.DA



- 3000K - CRI 80**
- 30W - 3516 lm
- Non Dimmable
- 09.2878.30
- 09.2878.14
- Dali Version
- 09.2878.30.DA
- 09.2878.14.DA



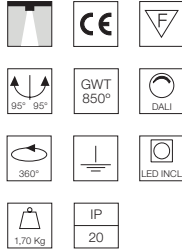
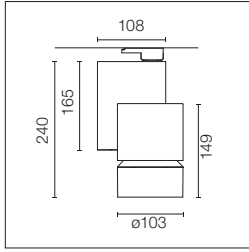
- 3000K - CRI 80**
- 35W - 4321 lm
- Non Dimmable
- 09.2958.30
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- Dali Version
- 09.2958.30.DA
- 09.2958.14.DA



SOLID PURE

Solid Pure Track

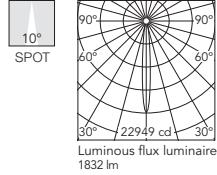
Light Source: LED Array 23W - 2231 lm - 3000K/CRI 90



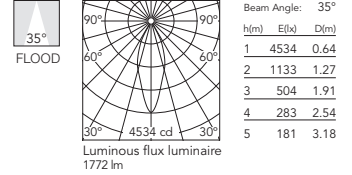
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

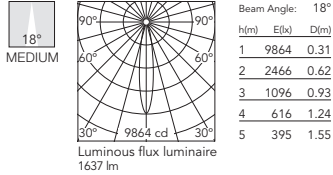
- Non Dimmable
- 09.2885.30
- 09.2885.14
- Dali Version
- 09.2885.30.DA
- 09.2885.14.DA



- Non Dimmable
- 09.2887.30
- 09.2887.14
- Dali Version
- 09.2887.30.DA
- 09.2887.14.DA

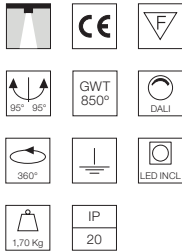
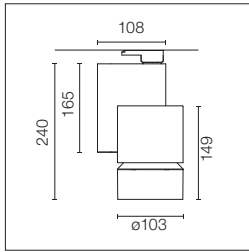


- Non Dimmable
- 09.2886.30
- 09.2886.14
- Dali Version
- 09.2886.30.DA
- 09.2886.14.DA



Solid Pure Track

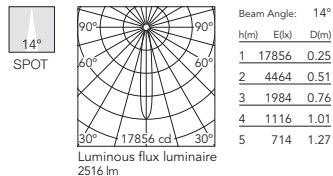
Light Source: LED Array 30W - 2855 lm - 3000K/CRI 90 / 35W - 3509 lm - 3000K/CRI 90



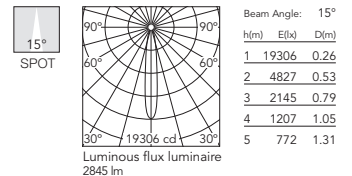
Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

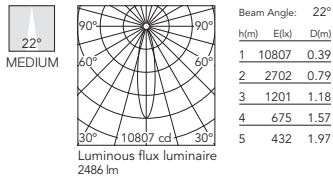
- 3000K - CRI 90**
- 30W - 2855 lm
- Non Dimmable
- 09.2997.30
- 09.2997.14
- Dali Version
- 09.2997.30.DA
- 09.2997.14.DA



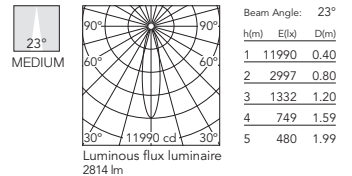
- 3000K - CRI 90**
- 35W - 3509 lm
- Non Dimmable
- 09.2991.30
- 09.2991.14
- Dali Version
- 09.2991.30.DA
- 09.2991.14.DA



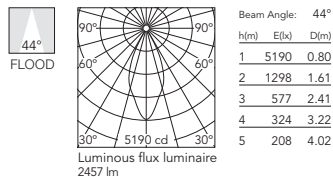
- 3000K - CRI 90**
- 30W - 2855 lm
- Non Dimmable
- 09.2998.30
- 09.2998.14
- Dali Version
- 09.2998.30.DA
- 09.2998.14.DA



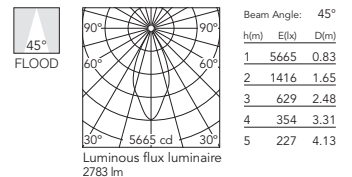
- 3000K - CRI 90**
- 35W - 3509 lm
- Non Dimmable
- 09.2992.30
- 09.2992.14
- Dali Version
- 09.2992.30.DA
- 09.2992.14.DA



- 3000K - CRI 90**
- 30W - 2855 lm
- Non Dimmable
- 09.2999.30
- 09.2999.14
- Dali Version
- 09.2999.30.DA
- 09.2999.14.DA



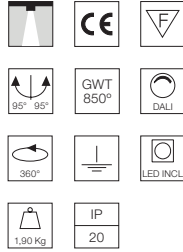
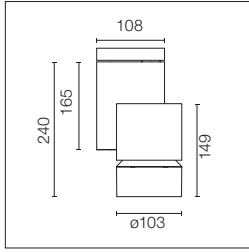
- 3000K - CRI 90**
- 35W - 3509 lm
- Non Dimmable
- 09.2993.30
- 09.2993.14
- Dali Version
- 09.2993.30.DA
- 09.2993.14.DA



SOLID PURE

Solid Pure Ceiling

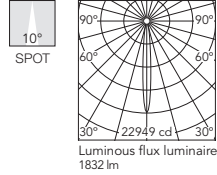
Light Source: LED Array 23W - 2231 lm - 3000K/CRI 90



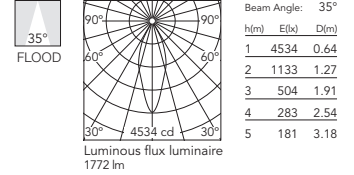
Spotlight to be installed on ceiling/wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

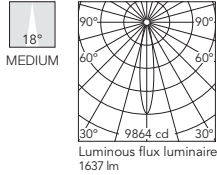
- Non Dimmable
 09.2891.30
 09.2891.14
 Dali Version
 09.2891.30.DA
 09.2891.14.DA



- Non Dimmable
 09.2893.30
 09.2893.14
 Dali Version
 09.2893.30.DA
 09.2893.14.DA

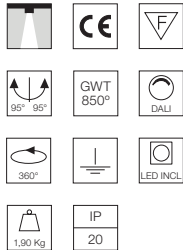
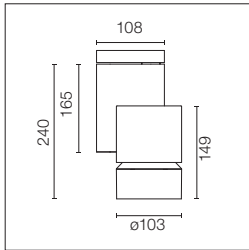


- Non Dimmable
 09.2892.30
 09.2892.14
 Dali Version
 09.2892.30.DA
 09.2892.14.DA



Solid Pure Ceiling

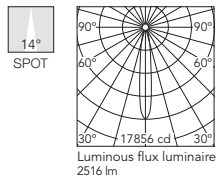
Light Source: LED Array 30W - 2855 lm - 3000K/CRI 90 / 35W - 3509 lm - 3000K/CRI 90



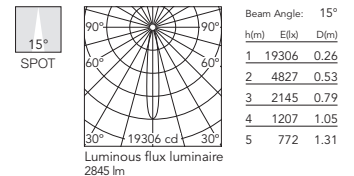
Spotlight to be installed on ceiling/wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

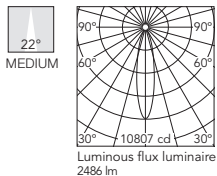
- 3000K - CRI 90**
 30W - 2855 lm
 Non Dimmable
 09.2873.30
 09.2873.14
 Dali Version
 09.2873.30.DA
 09.2873.14.DA



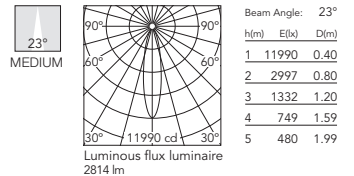
- 3000K - CRI 90**
 35W - 3509 lm
 Non Dimmable
 09.2994.30
 09.2994.14
 Dali Version
 09.2994.30.DA
 09.2994.14.DA



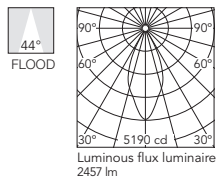
- 3000K - CRI 90**
 30W - 2855 lm
 Non Dimmable
 09.2874.30
 09.2874.14
 Dali Version
 09.2874.30.DA
 09.2874.14.DA



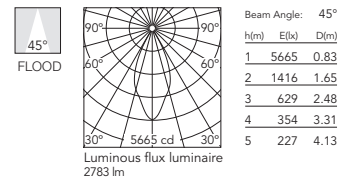
- 3000K - CRI 90**
 35W - 3509 lm
 Non Dimmable
 09.2995.30
 09.2995.14
 Dali Version
 09.2995.30.DA
 09.2995.14.DA



- 3000K - CRI 90**
 30W - 2855 lm
 Non Dimmable
 09.2875.30
 09.2875.14
 Dali Version
 09.2875.30.DA
 09.2875.14.DA



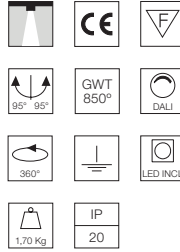
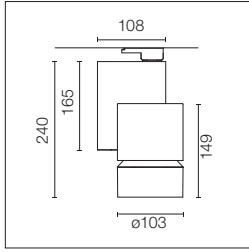
- 3000K - CRI 90**
 35W - 3509 lm
 Non Dimmable
 09.2996.30
 09.2996.14
 Dali Version
 09.2996.30.DA
 09.2996.14.DA



SOLID PURE

Solid Pure Track

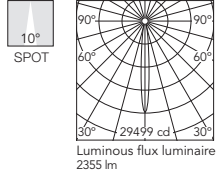
Light Source: LED Array 23W - 2865 lm - 4000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

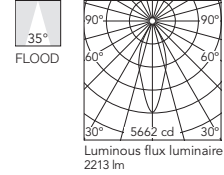
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

- Non Dimmable
- 09.2897.30
- 09.2897.14
- Dali Version
- 09.2897.30.DA
- 09.2897.14.DA



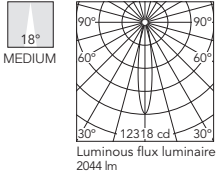
h(m)	E(lx)	D(m)
1	29499	0.18
2	7375	0.35
3	3278	0.53
4	1844	0.71
5	1180	0.88

- Non Dimmable
- 09.2899.30
- 09.2899.14
- Dali Version
- 09.2899.30.DA
- 09.2899.14.DA



h(m)	E(lx)	D(m)
1	5662	0.64
2	1415	1.27
3	629	1.91
4	354	2.54
5	226	3.18

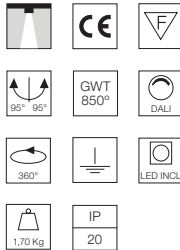
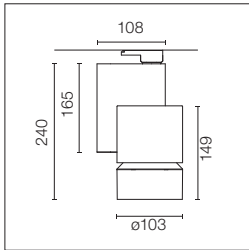
- Non Dimmable
- 09.2898.30
- 09.2898.14
- Dali Version
- 09.2898.30.DA
- 09.2898.14.DA



h(m)	E(lx)	D(m)
1	12318	0.31
2	3080	0.62
3	1369	0.93
4	770	1.24
5	493	1.55

Solid Pure Track

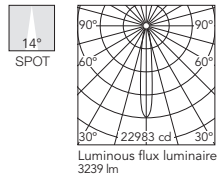
Light Source: LED Array 30W - 3667 lm - 4000K/CRI 80 / 35W - 4508 lm - 4000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

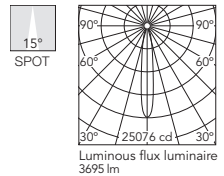
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

- 4000K - CRI 80**
- 30W - 3667 lm
- Non Dimmable
- 09.2879.30
- 09.2879.14
- Dali Version
- 09.2879.30.DA
- 09.2879.14.DA



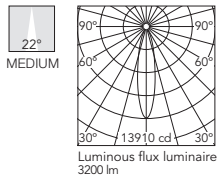
h(m)	E(lx)	D(m)
1	22983	0.25
2	5746	0.51
3	2554	0.76
4	1436	1.01
5	919	1.27

- 4000K - CRI 80**
- 35W - 4508 lm
- Non Dimmable
- 09.2959.30
- 09.2959.14
- Dali Version
- 09.2959.30.DA
- 09.2959.14.DA



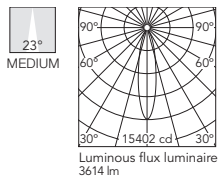
h(m)	E(lx)	D(m)
1	25076	0.26
2	6269	0.53
3	2786	0.79
4	1567	1.05
5	1003	1.31

- 4000K - CRI 80**
- 30W - 3667 lm
- Non Dimmable
- 09.2880.30
- 09.2880.14
- Dali Version
- 09.2880.30.DA
- 09.2880.14.DA



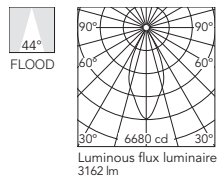
h(m)	E(lx)	D(m)
1	13910	0.39
2	3478	0.79
3	1546	1.18
4	869	1.57
5	556	1.97

- 4000K - CRI 80**
- 35W - 4508 lm
- Non Dimmable
- 09.2960.30
- 09.2960.14
- Dali Version
- 09.2960.30.DA
- 09.2960.14.DA



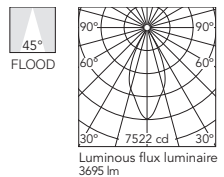
h(m)	E(lx)	D(m)
1	15402	0.40
2	3850	0.80
3	1711	1.20
4	963	1.59
5	616	1.99

- 4000K - CRI 80**
- 30W - 3667 lm
- Non Dimmable
- 09.2881.30
- 09.2881.14
- Dali Version
- 09.2881.30.DA
- 09.2881.14.DA



h(m)	E(lx)	D(m)
1	6680	0.80
2	1670	1.61
3	742	2.41
4	418	3.22
5	267	4.02

- 4000K - CRI 80**
- 35W - 4508 lm
- Non Dimmable
- 09.2961.30
- 09.2961.14
- Dali Version
- 09.2961.30.DA
- 09.2961.14.DA

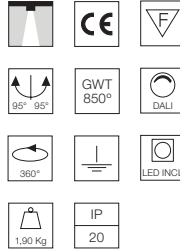
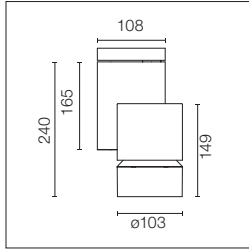


h(m)	E(lx)	D(m)
1	7522	0.83
2	1880	1.65
3	836	2.48
4	470	3.31
5	301	4.13

SOLID PURE

Solid Pure Ceiling

Light Source: LED Array 30W - 3667 lm - 4000K/CRI 80 / 35W - 4508 lm - 4000K/CRI 80



Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

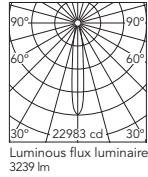
4000K - CRI 80

30W - 3667 lm
Non Dimmable

- 09.2882.30
- 09.2882.14
- Dali Version
- 09.2882.30.DA
- 09.2882.14.DA



SPOT



Beam Angle: 14°	h(m)	E(lx)	D(m)
1	22983	0.25	
2	5746	0.51	
3	2554	0.76	
4	1436	1.01	
5	919	1.27	

Luminous flux luminaire 3239 lm

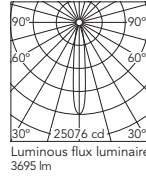
4000K - CRI 80

35W - 4508 lm
Non Dimmable

- 09.2962.30
- 09.2962.14
- Dali Version
- 09.2962.30.DA
- 09.2962.14.DA



SPOT



Beam Angle: 15°	h(m)	E(lx)	D(m)
1	25076	0.26	
2	6269	0.53	
3	2786	0.79	
4	1567	1.05	
5	1003	1.31	

Luminous flux luminaire 3695 lm

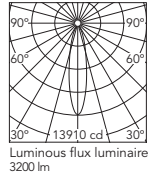
4000K - CRI 80

30W - 3667 lm
Non Dimmable

- 09.2883.30
- 09.2883.14
- Dali Version
- 09.2883.30.DA
- 09.2883.14.DA



MEDIUM



Beam Angle: 22°	h(m)	E(lx)	D(m)
1	13910	0.39	
2	3478	0.79	
3	1546	1.18	
4	869	1.57	
5	556	1.97	

Luminous flux luminaire 3200 lm

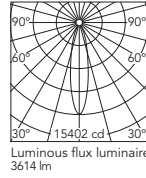
4000K - CRI 80

35W - 4508 lm
Non Dimmable

- 09.2963.30
- 09.2963.14
- Dali Version
- 09.2963.30.DA
- 09.2963.14.DA



MEDIUM



Beam Angle: 23°	h(m)	E(lx)	D(m)
1	15402	0.40	
2	3850	0.80	
3	1711	1.20	
4	963	1.59	
5	616	1.99	

Luminous flux luminaire 3614 lm

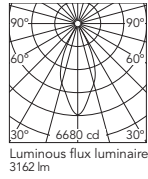
4000K - CRI 80

30W - 3667 lm
Non Dimmable

- 09.2884.30
- 09.2884.14
- Dali Version
- 09.2884.30.DA
- 09.2884.14.DA



FLOOD



Beam Angle: 44°	h(m)	E(lx)	D(m)
1	6680	0.80	
2	1670	1.61	
3	742	2.41	
4	418	3.22	
5	267	4.02	

Luminous flux luminaire 3162 lm

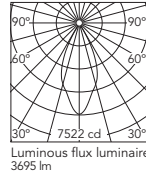
4000K - CRI 80

35W - 4508 lm
Non Dimmable

- 09.2964.30
- 09.2964.14
- Dali Version
- 09.2964.30.DA
- 09.2964.14.DA



FLOOD

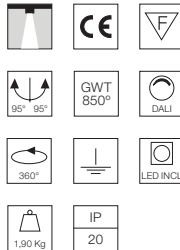
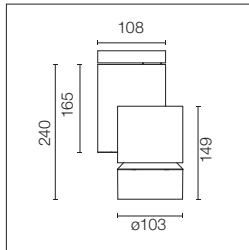


Beam Angle: 45°	h(m)	E(lx)	D(m)
1	7522	0.83	
2	1880	1.65	
3	836	2.48	
4	470	3.31	
5	301	4.13	

Luminous flux luminaire 3695 lm

Solid Pure Ceiling

Light Source: LED Array 23W - 2865 lm - 4000K/CRI 80



Spotlight to be installed on ceiling with LED light source. 220-240V, 50-60Hz power supply included.

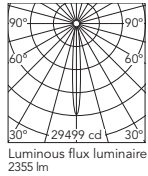
Proyector para ser instalado a techo con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

Non Dimmable

- 09.2865.30
- 09.2865.14
- Dali Version
- 09.2865.30.DA
- 09.2865.14.DA



SPOT



Beam Angle: 10°	h(m)	E(lx)	D(m)
1	29499	0.18	
2	7375	0.35	
3	3278	0.53	
4	1844	0.71	
5	1180	0.88	

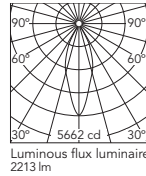
Luminous flux luminaire 2355 lm

Non Dimmable

- 09.2867.30
- 09.2867.14
- Dali Version
- 09.2867.30.DA
- 09.2867.14.DA



FLOOD



Beam Angle: 35°	h(m)	E(lx)	D(m)
1	5662	0.64	
2	1415	1.27	
3	629	1.91	
4	354	2.54	
5	226	3.18	

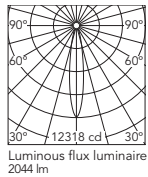
Luminous flux luminaire 2213 lm

Non Dimmable

- 09.2866.30
- 09.2866.14
- Dali Version
- 09.2866.30.DA
- 09.2866.14.DA



MEDIUM



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	12318	0.31	
2	3080	0.62	
3	1369	0.93	
4	770	1.24	
5	493	1.55	

Luminous flux luminaire 2044 lm

SOLID PURE

Accessories / Accesorios

All accessories should always be used with the holding ring. This holding ring allows to use the spotlight with a "honeycomb" anti-glare screen or a color filter or both, a "honeycomb" + a color filter.

Todos los accesorios deben ser utilizados siempre con el aro soporte. Dicho aro soporte permite la instalación de un elemento apantallador tipo "nido de abeja", de un filtro de color o de un elemento apantallador + un filtro de color.

Holding ring Aro soporte		08.8768.14
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Honeycomb Honeycomb		08.8763.14
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Blue filter Filtro azul		08.8766.64.OD
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Sky blue filter Filtro celeste		08.8766.65.OD
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Amber filter Filtro ámbar		08.8766.66.OD
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Red filter Filtro rojo		08.8766.67.OD
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PURE SPOT

DESIGNED BY KNUD HOLSCHER

PURE SPOT

PURE SPOT
PRO



LIGHT SOURCE
LED ARRAY
17,5W
2115 lm
3000K/CRI 80

LIGHT SOURCE
POWER LED
15,7W
1400 lm
2700K/CRI 80
3000K/CRI 80

LIGHT SOURCE
PHOSPHOR
LED
19,5W
2000 lm
3000K/CRI 80
17W
1400 lm
3000K/CRI 98

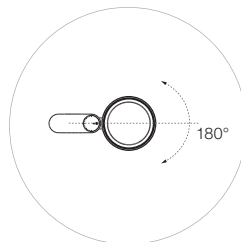
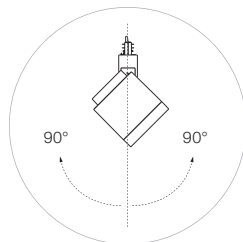
□ 30 White
30 Blanco

■ 02 Grey
02 Gris

■ 14 Black
14 Negro



Can be rotated 180° and swivelled 180°.
Puede ser rotado 180° y orientado 180°.



reddot design award
winner 2008

DESIGN PLUS

490

PURE SPOT

Description

Luminaire for ceiling or three-phase electric track installation.

Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, powder-coated white, grey or black. Thermoplastic three-phase adapter.

Reflectors

All super pure aluminum with specular finish.
Circular rotosymmetrical from 10° spot to 51° wide flood.

Power Supply

Electronic transformer with non-adjustable constant current 220/240V 50/60Hz.

Accessories

- 4mm tempered glass elliptical distribution lens.
- Honeycomb.
- Chromatic filters.

Additional Information

0° - 180° vertical rotation, 0° - 180° horizontal rotation.
Horizontal and vertical locking system.
IP20 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.
FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS.
Compatibility is guaranteed with three-phase track produced by Nordic Aluminium and Eutrac. To verify compatibility with any other track, please contact FLOS before installation.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Proyector para ser instalado a techo o a carril trifásico. Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados. Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4mm de espesor. Cuerpo, tapa de cierre y soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados en pintura polvo de color blanco, gris o negro. Adaptador trifásico incluido para la versión a carril.

Reflectores

Todas las ópticas están realizadas en aluminio superpuro con acabado espejular.
Circular simétrico giratorio. Desde spot 10° hasta wide flood 51°.

Unidades de Alimentación

Transformador electrónico de corriente constante no regulable 220/240V-50/60Hz.

Accesorios

- Lente de distribución elíptica de vidrio templado de 4mm.
- Honeycomb.
- Filtros cromáticos.

Información Adicional

Posibilidad de rotación a 180° en el eje vertical, de 180° en el horizontal. Lámpara con sistema de bloqueo tanto horizontal como vertical.
Índice de protección IP20.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.
Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ceiling

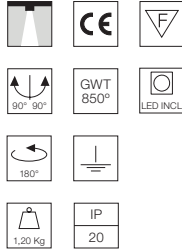
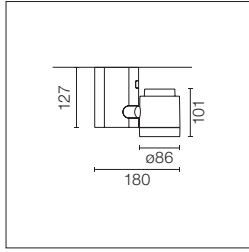


Track

PURE SPOT

Pure Spot Track

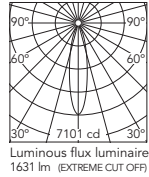
Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

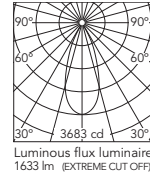
- 09.2570.30A
- 09.2570.02A
- 09.2570.14A



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7101	0.40
2	1775	0.80
3	789	1.21
4	444	1.61
5	284	2.01

- 09.2571.30A
- 09.2571.02A
- 09.2571.14A

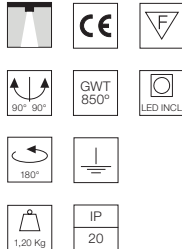
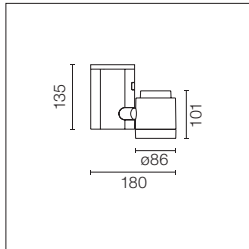


Beam Angle: 40°

h(m)	E(lx)	D(m)
1	3683	0.72
2	921	1.44
3	409	2.16
4	230	2.88
5	147	3.60

Pure Spot Ceiling

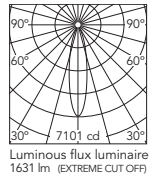
Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80



Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

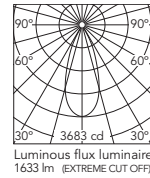
- 09.2575.30A
- 09.2575.02A
- 09.2575.14A



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	7101	0.40
2	1775	0.80
3	789	1.21
4	444	1.61
5	284	2.01

- 09.2576.30A
- 09.2576.02A
- 09.2576.14A



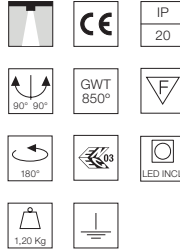
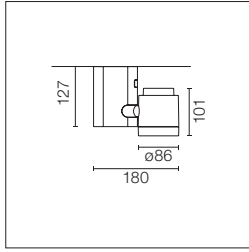
Beam Angle: 40°

h(m)	E(lx)	D(m)
1	3683	0.72
2	921	1.44
3	409	2.16
4	230	2.88
5	147	3.60

PURE SPOT

Pure Spot Track

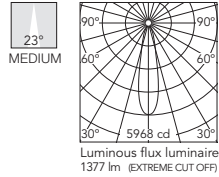
Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



Spotlight to be installed on 3-phase track with LED light source.
Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

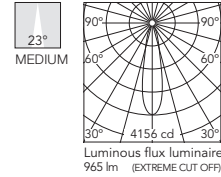
- 3000K - CRI 80**
- 09.2410.30C
 - 09.2410.02C
 - 09.2410.14C



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	5968	0.41
2	1492	0.81
3	663	1.22
4	373	1.62
5	239	2.03

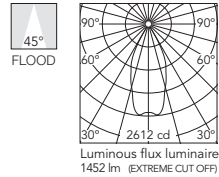
- 3000K - CRI 98**
- 09.2400.30C
 - 09.2400.02C
 - 09.2400.14C



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	4156	0.41
2	1039	0.81
3	462	1.22
4	260	1.63
5	166	2.04

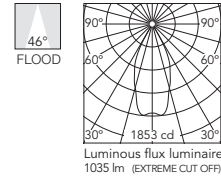
- 3000K - CRI 80**
- 09.2411.30C
 - 09.2411.02C
 - 09.2411.14C



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2612	0.84
2	653	1.68
3	290	2.51
4	163	3.35
5	104	4.19

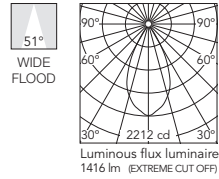
- 3000K - CRI 98**
- 09.2401.30C
 - 09.2401.02C
 - 09.2401.14C



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1853	0.85
2	463	1.70
3	206	2.54
4	116	3.39
5	74	4.24

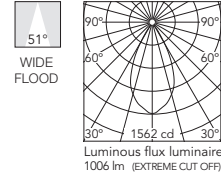
- 3000K - CRI 80**
- 09.2412.30C
 - 09.2412.02C
 - 09.2412.14C



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2212	0.95
2	553	1.90
3	246	2.85
4	138	3.79
5	88	4.74

- 3000K - CRI 98**
- 09.2402.30C
 - 09.2402.02C
 - 09.2402.14C



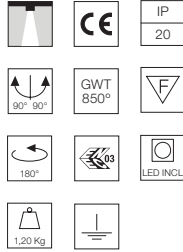
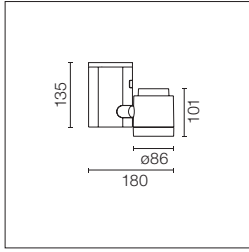
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1562	0.95
2	391	1.91
3	174	2.86
4	98	3.82
5	62	4.77

PURE SPOT

Pure Spot Ceiling

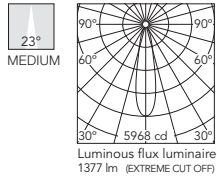
Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



Spotlight to be installed on ceiling/wall with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

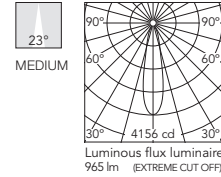
- 3000K - CRI 80**
- 09.2460.30C
 - 09.2460.02C
 - 09.2460.14C



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	5968	0.41
2	1492	0.81
3	663	1.22
4	373	1.62
5	239	2.03

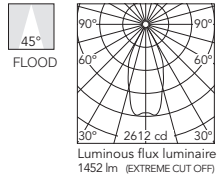
- 3000K - CRI 98**
- 09.2450.30C
 - 09.2450.02C
 - 09.2450.14C



Beam Angle: 23°

h(m)	E(lx)	D(m)
1	4156	0.41
2	1039	0.81
3	462	1.22
4	260	1.63
5	166	2.04

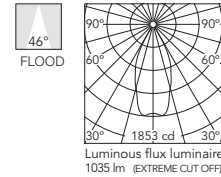
- 3000K - CRI 80**
- 09.2461.30C
 - 09.2461.02C
 - 09.2461.14C



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2612	0.84
2	653	1.68
3	290	2.51
4	163	3.35
5	104	4.19

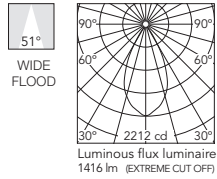
- 3000K - CRI 98**
- 09.2451.30C
 - 09.2451.02C
 - 09.2451.14C



Beam Angle: 46°

h(m)	E(lx)	D(m)
1	1853	0.85
2	463	1.70
3	206	2.54
4	116	3.39
5	74	4.24

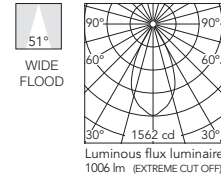
- 3000K - CRI 80**
- 09.2462.30C
 - 09.2462.02C
 - 09.2462.14C



Beam Angle: 51°

h(m)	E(lx)	D(m)
1	2212	0.95
2	553	1.90
3	246	2.85
4	138	3.79
5	88	4.74

- 3000K - CRI 98**
- 09.2452.30C
 - 09.2452.02C
 - 09.2452.14C



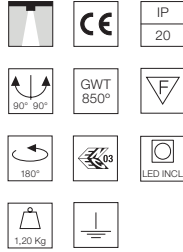
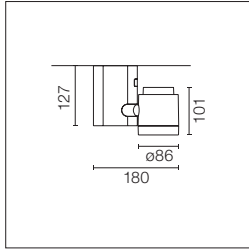
Beam Angle: 51°

h(m)	E(lx)	D(m)
1	1562	0.95
2	391	1.91
3	174	2.86
4	98	3.82
5	62	4.77

PURE SPOT

Pure Spot Track

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80

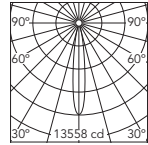


Spotlight to be installed on 3-phase track with LED light source.
220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED.
Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80

- 09.2405.30B
- 09.2405.02B
- 09.2405.14B



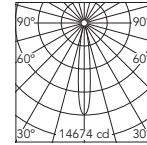
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

Luminous flux luminaire
1395 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2415.30B
- 09.2415.02B
- 09.2415.14B



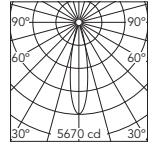
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2406.30B
- 09.2406.02B
- 09.2406.14B



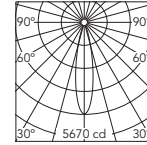
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

Luminous flux luminaire
1318 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2416.30B
- 09.2416.02B
- 09.2416.14B



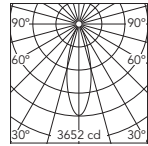
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

Luminous flux luminaire
1318 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2407.30B
- 09.2407.02B
- 09.2407.14B



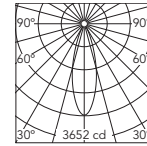
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

Luminous flux luminaire
1257 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2417.30B
- 09.2417.02B
- 09.2417.14B



Beam Angle: 30°

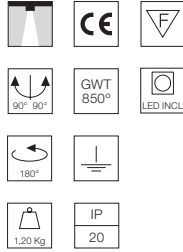
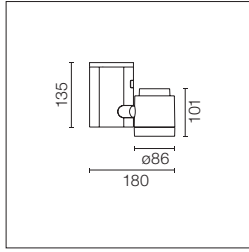
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

Luminous flux luminaire
1257 lm (EXTREME CUT OFF)

PURE SPOT

Pure Spot Ceiling

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80

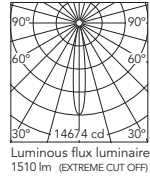


Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80

- 09.2455.30B
- 09.2455.02B
- 09.2455.14B



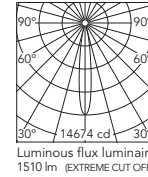
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

Luminous flux luminaire 1510 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2465.30B
- 09.2465.02B
- 09.2465.14B



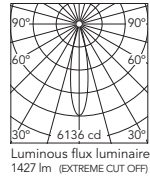
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

Luminous flux luminaire 1510 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2456.30B
- 09.2456.02B
- 09.2456.14B



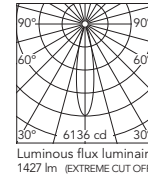
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

Luminous flux luminaire 1427 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2466.30B
- 09.2466.02B
- 09.2466.14B



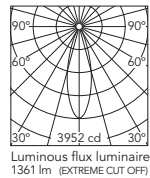
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

Luminous flux luminaire 1427 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2457.30B
- 09.2457.02B
- 09.2457.14B



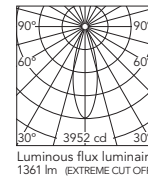
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Luminous flux luminaire 1361 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2467.30B
- 09.2467.02B
- 09.2467.14B



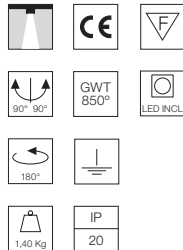
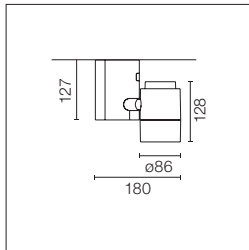
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Luminous flux luminaire 1361 lm (EXTREME CUT OFF)

Pure Spot Pro Track

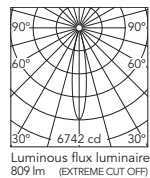
Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

- 09.2580.30A
- 09.2580.02A
- 09.2580.14A

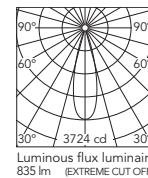


Beam Angle: 18°

h(m)	E(lx)	D(m)
1	6742	0.31
2	1685	0.62
3	749	0.94
4	421	1.25
5	270	1.56

Luminous flux luminaire 809 lm (EXTREME CUT OFF)

- 09.2581.30A
- 09.2581.02A
- 09.2581.14A



Beam Angle: 28°

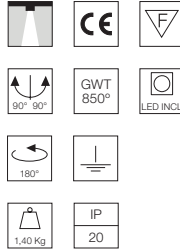
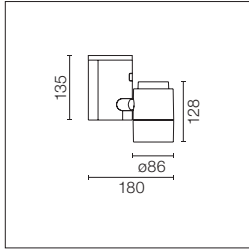
h(m)	E(lx)	D(m)
1	3724	0.49
2	931	0.99
3	414	1.48
4	233	1.97
5	149	2.47

Luminous flux luminaire 835 lm (EXTREME CUT OFF)

PURE SPOT

Pure Spot Pro Ceiling

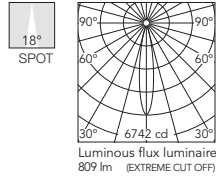
Light Source: LED Array 17,5W - 2115 lm - 3000K/CRI 80



Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

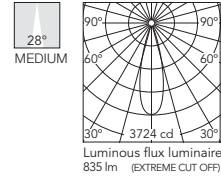
- 09.2585.30A
- 09.2585.02A
- 09.2585.14A



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	6742	0.31
2	1685	0.62
3	749	0.94
4	421	1.25
5	270	1.56

- 09.2586.30A
- 09.2586.02A
- 09.2586.14A

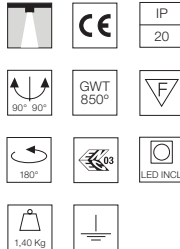
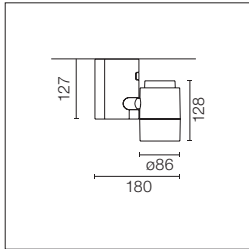


Beam Angle: 28°

h(m)	E(lx)	D(m)
1	3724	0.49
2	931	0.99
3	414	1.48
4	233	1.97
5	149	2.47

Pure Spot Pro Track

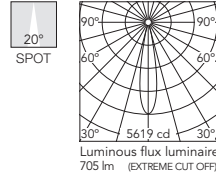
Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



Spotlight to be installed on 3-phase track with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

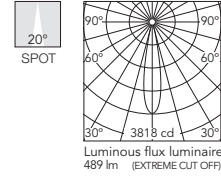
- 3000K - CRI 80**
- 09.2430.30C
 - 09.2430.02C
 - 09.2430.14C



Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5619	0.35
2	1405	0.69
3	624	1.04
4	351	1.38
5	225	1.73

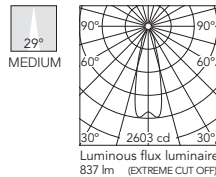
- 3000K - CRI 98**
- 09.2420.30C
 - 09.2420.02C
 - 09.2420.14C



Beam Angle: 20°

h(m)	E(lx)	D(m)
1	3818	0.35
2	955	0.70
3	424	1.05
4	239	1.40
5	153	1.75

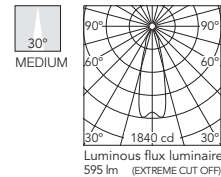
- 3000K - CRI 80**
- 09.2431.30C
 - 09.2431.02C
 - 09.2431.14C



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2603	0.53
2	651	1.05
3	289	1.58
4	163	2.10
5	104	2.63

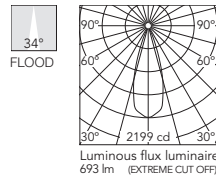
- 3000K - CRI 98**
- 09.2421.30C
 - 09.2421.02C
 - 09.2421.14C



Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1840	0.53
2	460	1.06
3	204	1.59
4	115	2.11
5	74	2.64

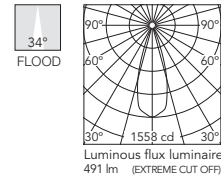
- 3000K - CRI 80**
- 09.2432.30C
 - 09.2432.02C
 - 09.2432.14C



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2199	0.61
2	550	1.22
3	244	1.83
4	137	2.44
5	88	3.05

- 3000K - CRI 98**
- 09.2422.30C
 - 09.2422.02C
 - 09.2422.14C



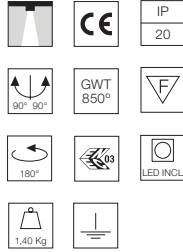
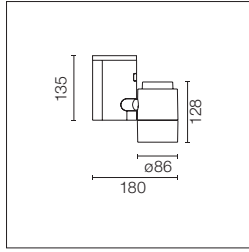
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	1558	0.61
2	389	1.22
3	173	1.83
4	97	2.44
5	62	3.05

PURE SPOT

Pure Spot Pro Ceiling

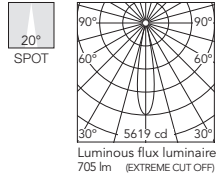
Light Source: Phosphor LED 19,5W - 2000 lm - 3000K/CRI 80 / 17W - 1400 lm - 3000K/CRI 98



Spotlight to be installed on ceiling/wall with LED light source. Electronic transformer 220/240V, 50/60Hz for phosphor LED integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Transformador electrónico 220/240V, 50/60Hz para LED de fósforo integrado.

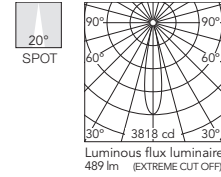
- 3000K - CRI 80**
- 09.2480.30C
 - 09.2480.02C
 - 09.2480.14C



Beam Angle: 20°

h(m)	E(lx)	D(m)
1	5619	0.35
2	1405	0.69
3	624	1.04
4	351	1.38
5	225	1.73

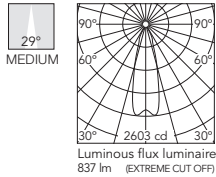
- 3000K - CRI 98**
- 09.2470.30C
 - 09.2470.02C
 - 09.2470.14C



Beam Angle: 20°

h(m)	E(lx)	D(m)
1	3818	0.35
2	955	0.70
3	424	1.05
4	239	1.40
5	153	1.75

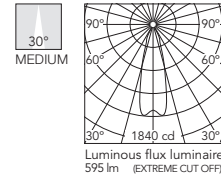
- 3000K - CRI 80**
- 09.2481.30C
 - 09.2481.02C
 - 09.2481.14C



Beam Angle: 29°

h(m)	E(lx)	D(m)
1	2603	0.53
2	651	1.05
3	289	1.58
4	163	2.10
5	104	2.63

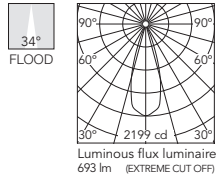
- 3000K - CRI 98**
- 09.2471.30C
 - 09.2471.02C
 - 09.2471.14C



Beam Angle: 30°

h(m)	E(lx)	D(m)
1	1840	0.53
2	460	1.06
3	204	1.59
4	115	2.11
5	74	2.64

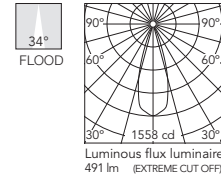
- 3000K - CRI 80**
- 09.2482.30C
 - 09.2482.02C
 - 09.2482.14C



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	2199	0.61
2	550	1.22
3	244	1.83
4	137	2.44
5	88	3.05

- 3000K - CRI 98**
- 09.2472.30C
 - 09.2472.02C
 - 09.2472.14C



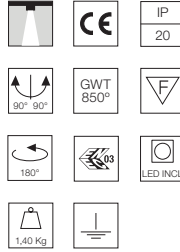
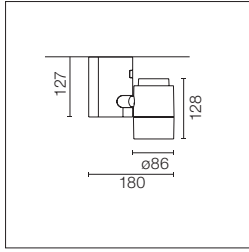
Beam Angle: 34°

h(m)	E(lx)	D(m)
1	1558	0.61
2	389	1.22
3	173	1.83
4	97	2.44
5	62	3.05

PURE SPOT

Pure Spot Pro Track

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80

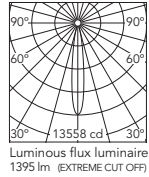


Spotlight to be installed on 3-phase track with LED light source.
220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a carril trifásico con fuente de luz LED.
Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80

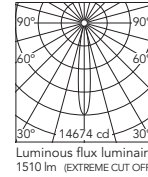
- 09.2425.30B
- 09.2425.02B
- 09.2425.14B



Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

3000K - CRI 80

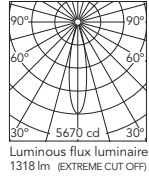
- 09.2435.30B
- 09.2435.02B
- 09.2435.14B



Beam Angle: 15°		
h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

2700K - CRI 80

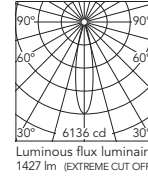
- 09.2426.30B
- 09.2426.02B
- 09.2426.14B



Beam Angle: 22°		
h(m)	E(lx)	D(m)
1	5670	0.38
2	1417	0.77
3	630	1.15
4	354	1.54
5	227	1.92

3000K - CRI 80

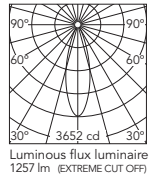
- 09.2436.30B
- 09.2436.02B
- 09.2436.14B



Beam Angle: 22°		
h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

2700K - CRI 80

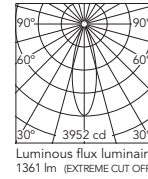
- 09.2427.30B
- 09.2427.02B
- 09.2427.14B



Beam Angle: 30°		
h(m)	E(lx)	D(m)
1	3652	0.54
2	913	1.09
3	406	1.63
4	228	2.18
5	146	2.72

3000K - CRI 80

- 09.2437.30B
- 09.2437.02B
- 09.2437.14B

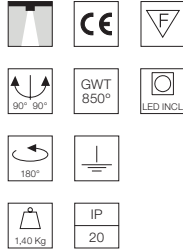
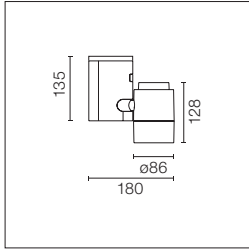


Beam Angle: 30°		
h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

PURE SPOT

Pure Spot Pro Ceiling

Light Source: Power LED 15,7W - 1400 lm - 2700K/CRI 80 / 15,7W - 1400 lm - 3000K/CRI 80

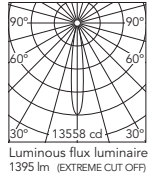


Spotlight to be installed on ceiling/wall with LED light source. 220/240V, 50/60Hz power supply integrated.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220/240V, 50/60Hz integrada.

2700K - CRI 80

- 09.2475.30B
- 09.2475.02B
- 09.2475.14B



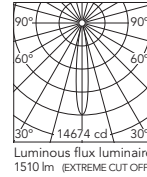
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13558	0.26
2	3390	0.52
3	1506	0.78
4	847	1.04
5	542	1.30

Luminous flux luminaire
1395 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2485.30B
- 09.2485.02B
- 09.2485.14B



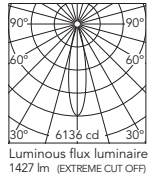
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14674	0.26
2	3668	0.52
3	1630	0.78
4	917	1.04
5	587	1.30

Luminous flux luminaire
1510 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2476.30B
- 09.2476.02B
- 09.2476.14B



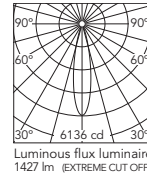
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2486.30B
- 09.2486.02B
- 09.2486.14B



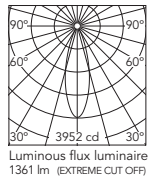
Beam Angle: 22°

h(m)	E(lx)	D(m)
1	6136	0.38
2	1534	0.77
3	682	1.15
4	384	1.54
5	245	1.92

Luminous flux luminaire
1427 lm (EXTREME CUT OFF)

2700K - CRI 80

- 09.2477.30B
- 09.2477.02B
- 09.2477.14B



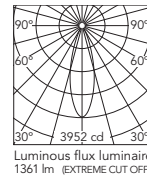
Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

3000K - CRI 80

- 09.2487.30B
- 09.2487.02B
- 09.2487.14B



Beam Angle: 30°

h(m)	E(lx)	D(m)
1	3952	0.54
2	988	1.09
3	439	1.63
4	247	2.18
5	158	2.72

Luminous flux luminaire
1361 lm (EXTREME CUT OFF)

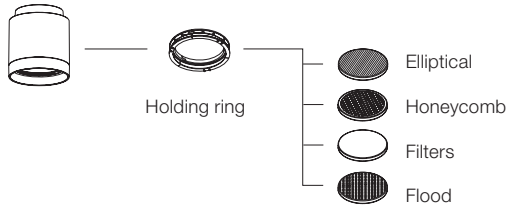
PURE SPOT

Accessories / Accesorios

Pure Spot

Elliptical lens, honeycomb filter, different filters and flood lens, must always be used with the holding ring.

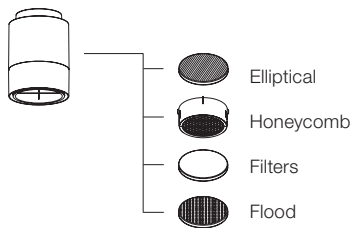
Lente de distribución elíptica, elemento apantallador, los diferentes filtros y la lente flood deben ser utilizados siempre con el aro soporte.



Holding ring
Aro soporte  08.8166.14

Honeycomb
Honeycomb  08.8169.14

Pure Spot Pro



Honeycomb
Honeycomb  08.8186.14

Pure Spot / Pure Spot Pro

Elliptical lens
Lente elíptica  08.8163.68

Flood lens
Lente flood  08.8175.68

Blue filter
Filtro azul  08.8160.64.OD

Sky blue filter
Filtro celeste  08.8160.65.OD

Amber filter
Filtro ámbar  08.8160.66.OD

Red filter
Filtro rojo  08.8160.67.OD

U.V. filter
Filtro anti U.V.  08.8160.98.OD


I.R. filter
Filtro anti I.R.  08.8160.68

Hot light
Hot light  08.8160.69

Cold light
Cold light  08.8160.CL

Daylight
Daylight  08.8160.DL

Neodimium
Neodimium  08.8160.ND

Pure Spot external ring accessory
PRO. Only for halogen lamps.
Consult for LED version.  08.8232.30
08.8232.02
08.8232.14

Aro exterior PRO para Pure Spot. Solo para versiones de halógenos. Consultar para versión LED.

WAN SPOT

DESIGNED BY JOHANNA GRAWUNDER



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80

LIGHT SOURCE
QT-14
G9
max 40W

□ 30 White
30 Blanco

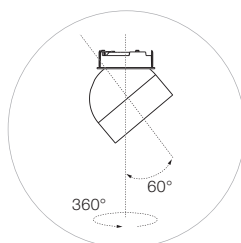
■ 05 Polished Aluminium
05 Aluminio Pulido

■ 14 Black
14 Negro

■ GN Green
GN Verde



Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



Description

Wall or ceiling lamp providing direct light. Aluminum body, available in chrome, shiny white, enameled green, and shiny black finishes. Low glare shield. Provided by two different ring due to fix the safety tempered glass, in shiny black and enameled green.

Reflectors

Sanded and chemically bleached aluminum reflector.

Power Supply

Pre-wiring included; ready for remote power supply.

Additional Information

0° - 360° vertical rotation and 0° - 60° adjustment.
IP20 protection grade.
Insulation class II, III depending on the versions.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de luz directa para ser instalada a techo o pared. Cuerpo de aluminio disponible en acabado pulido, blanco brillante, verde esmaltado y negro brillante. Incorpora como antideslumbramiento. El producto lleva incorporados dos aros interiores intercambiables, que sujetan el cristal templado y el reflector, en negro brillante o verde esmaltado.

Reflectores

Reflector de aluminio tratado con chorro de arena y blanqueado químicamente.

Unidades de Alimentación

Luminaria precableada para ser alimentada mediante equipo remoto.

Información Adicional

Rotación en el eje vertical de hasta 360° y orientación hasta 60°.
Índice de protección IP20.
Clase de aislamiento II, III, según las versiones.
Instalable sobre superficies normalmente inflamables.

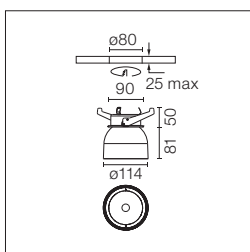
Cumplimiento de Normativa y Marcas de Calidad

Equipo conforme con la Normativa Técnica Europea EN60598-1 y partes secundas.

WAN SPOT

Wan Spot

Light Source: LED Array DC 500 mA - 9,2W - 945 lm - 3000K/CRI 80



Spotlight to be installed recessed on ceiling/wall. Power supply not included.

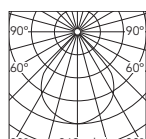
Proyector para ser instalado empotrado en pared o techo. Fuente de alimentación no incluida.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.8650
Dimmable 1-10V/Push	60.8533
Dimmable Dali	60.8847
Mains Dimming	60.8534

* Refer to the Drivers chapter / Ver capítulo Drivers

- 03.6174.30A
- 03.6174.05A
- 03.6174.14A
- 03.6174.GNA



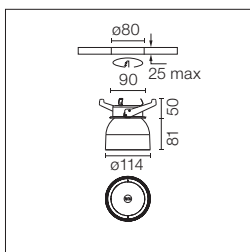
Beam Angle: 82°

h(m)	E(lx)	D(m)
1	362	1.75
2	91	3.50
3	40	5.25
4	23	7.00
5	14	8.75

Luminous flux luminaire 505 lm

Wan Spot

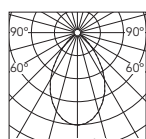
Light Source: QT-14 G9 - max 40W



Spotlight to be installed recessed on ceiling/wall with main voltage source.

Proyector para ser instalado empotrado en pared o techo, con alimentación directa a red.

- 03.6170.30
- 03.6170.05
- 03.6170.14
- 03.6170.GN

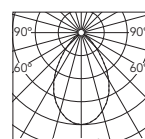


Beam Angle: 68°

h(m)	E(lx)	D(m)
1	147	1.35
2	37	2.70
3	16	4.05
4	9	5.40
5	6	6.75

Luminous flux luminaire 460 lm

@Black Ring



Beam Angle: 69°

h(m)	E(lx)	D(m)
1	149	1.38
2	37	2.75
3	17	4.13
4	9	5.50
5	6	6.88

Luminous flux luminaire 460 lm

@Green Ring

FORT KNOX

DESIGNED BY PHILIPPE STARCK

TRACK /
CEILING



LIGHT SOURCE
LED ARRAY
9,2W
945 lm
3000K/CRI 80
13,8W
1474 lm
3000K/CRI 80

□ 30 White/RAL 9001
30 Blanco



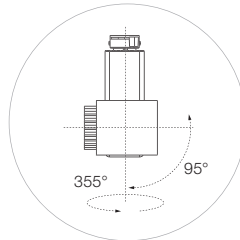
▣ 05 Polished Aluminium
05 Aluminio Pulido



■ 14 Black/RAL 9005
14 Negro



Can be rotated 355° and swivelled 95°.
Puede ser rotado 355° y orientado 95°.



Description

Luminaire for ceiling or three-phase electric track installation.

Self-extinguishing ceramic or engineering plastic lamp holders, with single-pole, transparent electric wires with double Teflon insulation. Aluminum body, placed above the lamp holder, black thermoplastic and 4mm tempered glass screen-support ring. Die-cast aluminum alloy body, cover and adjustable lamp support, with hand-polished finish and protected with transparent liquid paint, or powder-coated white or matt black. Thermoplastic three-phase adapter.

Power Supply

Power units built into the main body of the luminaire. For three-phase track applications, disc with clockwise and anti-clockwise rotation for spotlight selection. Release lever to insert adapter.

Accessories

- 4 mm tempered glass elliptical distribution lens.
- Chromatic filters.

Additional Information

0° - 355° vertical rotation, + 0° - 95° horizontal adjustment. IP20 protection grade. Insulation class I, III depending on the versions. Suitable for installation on normally inflammable surfaces. FLOS three-phase lighting track luminaires are designed and fully tested for tracks recommended by FLOS. Compatibility is guaranteed with three-phase track produced by Nordic Aluminium and Eutrac. To verify compatibility with any other track, please contact FLOS before installation.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Proyector para ser instalado a techo o a carril trifásico. Portalámparas cerámico o de tecnopolímero autoextinguible, con cables eléctricos unipolares aislados Teflón con doble aislamiento transparente. Cuerpo para la lámpara constituido por un elemento disipador realizado en aluminio, colocado sobre el portalámparas, por un anillo que sostiene los reflectores realizado de material termoplástico de color negro y por un vidrio templado de 4mm de espesor. Cuerpo, tapa de cierre y soporte orientable de la lámpara son de aleación de aluminio inyectado a presión, con acabados pulidos a mano y protegidos por pintura líquida transparente o barniz en polvo de color blanco o negro opaco. Adaptador trifásico incluido para la versión a carril.

Unidades de Alimentación

Los dispositivos para la alimentación de las fuentes de luz están integrados en el cuerpo principal del proyector. Para las aplicaciones en carril trifásico, la lámpara cuenta con disco de selección giratorio, hacia la derecha o hacia la izquierda, que permite seleccionar la línea a la cual conectar eléctricamente el proyector. Palanca de desbloqueo que permite la introducción del adaptador.

Accesorios

- Lente de distribución elíptica de vidrio templado de 4 mm.
- Filtros cromáticos.

Información Adicional

Posibilidad de rotación a 355° en el eje vertical, + 0° - 95° de orientación horizontal. Índice de protección IP20. Clase de aislamiento I, II, según las versiones. Instalable sobre superficies normalmente inflamables. Las luminarias de FLOS a carril trifásico estándar están diseñadas y completamente probadas para los carriles recomendados por FLOS. Su compatibilidad está garantizada con carriles trifásicos fabricados por Nordic Aluminium y Eutrac. Si desea confirmar su compatibilidad con otros carriles, póngase en contacto con FLOS antes de instalarlas.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ceiling

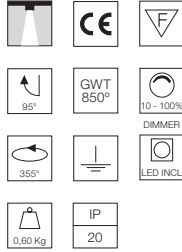
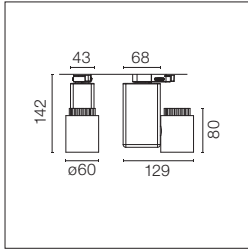


Track

FORT KNOX

Fort Knox Track

Light Source: LED Array 9,2W - 945 lm - 3000K/CRI 80 / 13,8W - 1474 lm - 3000K/CRI 80



Spotlight to be installed on 3-phase track with LED light source. 220-240V, 50-60Hz power supply included.

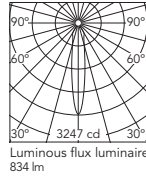
Proyector para ser instalado a carril trifásico con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K / CRI 80

9,2W

Non Dimmable

- 09.2150.30A
- 09.2150.05A
- 09.2150.14A



Beam Angle: 17°

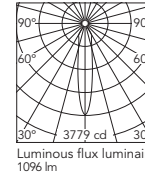
h(m)	Ef(lx)	D(m)
1	3247	0.30
2	812	0.59
3	361	0.89
4	203	1.19
5	130	1.49

3000K / CRI 80

13,8W

Built-In Potentiometer

- 09.2160.30A
- 09.2160.05A
- 09.2160.14A



Beam Angle: 19°

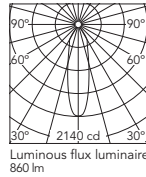
h(m)	Ef(lx)	D(m)
1	3779	0.33
2	945	0.66
3	420	0.98
4	236	1.31
5	151	1.64

3000K / CRI 80

9,2W

Non Dimmable

- 09.2151.30A
- 09.2151.05A
- 09.2151.14A



Beam Angle: 27°

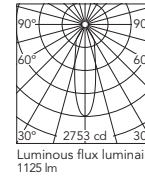
h(m)	Ef(lx)	D(m)
1	2140	0.48
2	535	0.97
3	238	1.45
4	134	1.94
5	86	2.42

3000K / CRI 80

13,8W

Built-In Potentiometer

- 09.2161.30A
- 09.2161.05A
- 09.2161.14A



Beam Angle: 27°

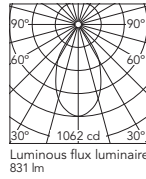
h(m)	Ef(lx)	D(m)
1	2753	0.48
2	688	0.95
3	306	1.43
4	172	1.91
5	110	2.38

3000K / CRI 80

9,2W

Non Dimmable

- 09.2152.30A
- 09.2152.05A
- 09.2152.14A



Beam Angle: 57°

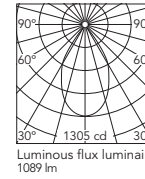
h(m)	Ef(lx)	D(m)
1	1062	1.08
2	266	2.16
3	118	3.24
4	66	4.32
5	42	5.40

3000K / CRI 80

13,8W

Built-In Potentiometer

- 09.2162.30A
- 09.2162.05A
- 09.2162.14A



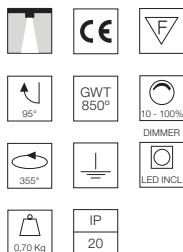
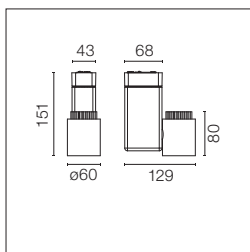
Beam Angle: 61°

h(m)	Ef(lx)	D(m)
1	1305	1.17
2	326	2.34
3	145	3.51
4	82	4.68
5	52	5.85

FORT KNOX

Fort Knox Ceiling

Light Source: LED Array 9,2W - 945 lm - 3000K/CRI 80 / 13,8W- 1474 lm - 3000K/CRI 80

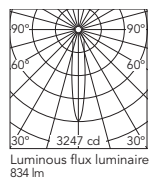


Spotlight to be installed on ceiling/wall with LED light source. 220-240V, 50-60Hz power supply included.

Proyector para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz integrada.

3000K / CRI 80

9,2W
Non Dimmable
09.2155.30A
09.2155.05A
09.2155.14A

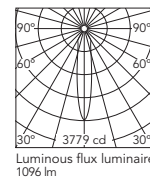


Beam Angle: 17°	h(m)	E(lx)	D(m)
1	3247	0.30	
2	812	0.59	
3	361	0.89	
4	203	1.19	
5	130	1.49	

Luminous flux luminaire
834 lm

3000K / CRI 80

13,8W
Built-In Potentiometer
09.2165.30A
09.2165.05A
09.2165.14A

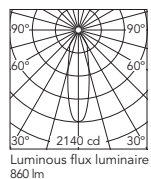


Beam Angle: 19°	h(m)	E(lx)	D(m)
1	3779	0.33	
2	945	0.66	
3	420	0.98	
4	236	1.31	
5	151	1.64	

Luminous flux luminaire
1096 lm

3000K / CRI 80

9,2W
Non Dimmable
09.2156.30A
09.2156.05A
09.2156.14A

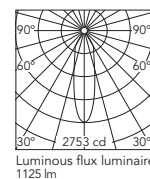


Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2140	0.48	
2	535	0.97	
3	238	1.45	
4	134	1.94	
5	86	2.42	

Luminous flux luminaire
860 lm

3000K / CRI 80

13,8W
Built-In Potentiometer
09.2166.30A
09.2166.05A
09.2166.14A

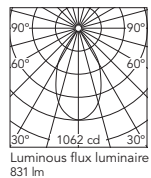


Beam Angle: 27°	h(m)	E(lx)	D(m)
1	2753	0.48	
2	688	0.95	
3	306	1.43	
4	172	1.91	
5	110	2.38	

Luminous flux luminaire
1125 lm

3000K / CRI 80

9,2W
Non Dimmable
09.2157.30A
09.2157.05A
09.2157.14A

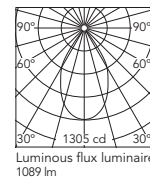


Beam Angle: 57°	h(m)	E(lx)	D(m)
1	1062	1.08	
2	266	2.16	
3	118	3.24	
4	66	4.32	
5	42	5.40	

Luminous flux luminaire
831 lm

3000K / CRI 80

13,8W
Built-In Potentiometer
09.2167.30A
09.2167.05A
09.2167.14A



Beam Angle: 61°	h(m)	E(lx)	D(m)
1	1305	1.17	
2	326	2.34	
3	145	3.51	
4	82	4.68	
5	52	5.85	

Luminous flux luminaire
1089 lm

Accessories / Accesorios

Honeycomb
Honeycomb



08.8502.14

Hot light
Hot light



08.8501.69

Blue filter
Filtro azul



08.8501.64.OD

Cold light
Cold light



08.8501.CL

Sky blue filter
Filtro celeste



08.8501.65.OD

Daylight
Daylight



08.8501.DL

Amber filter
Filtro ámbar



08.8501.66.OD

Neodimium
Neodimium



08.8501.ND

Red filter
Filtro rojo



08.8501.67.OD

CEILING / WALL

C1, UT Pro Surface, Kap Surface &
Suspension, Compass Box, Super Line & Pro,
Super Flat, Light Bell, Fort Knox
Wall & Mini, Thin LED, Wall System, G-O,
The Block of Light, Giano, Box.

MONO SPOT
CEILING SMALL

LIGHT SOURCE
POWER LED
7W
660 lm
2700K/CRI 90
700 lm
3000K/CRI 90

MONO SPOT
WALL SMALL

LIGHT SOURCE
POWER LED
7W
660 lm
2700K/CRI 90
700 lm
3000K/CRI 90

DOUBLE SPOT
WALL SMALL

LIGHT SOURCE
POWER LED
14W
1320 lm
2700K/CRI 90
1400 lm
3000K/CRI 90

MONO SPOT
CEILING LARGE

LIGHT SOURCE
POWER LED
14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

MONO SPOT
WALL LARGE

LIGHT SOURCE
POWER LED
14W
1225 lm
2700K/CRI 90
1300 lm
3000K/CRI 90

DOUBLE SPOT
WALL LARGE

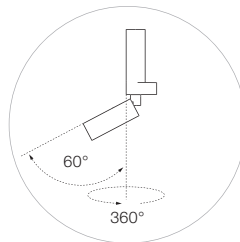
LIGHT SOURCE
POWER LED
28W
2450 lm
2700K/CRI 90
2600 lm
3000K/CRI 90

□ DY White
DY Blanco

■ DR Anthracite
DR Antracita



Can be rotated 360° and swivelled 60°.
Puede ser rotado 360° y orientado 60°.



Description

New program of wall and ceiling-mounted luminaires developed for residential and hospitality use. The extremely minimalistic product design hides a unique integrated mechanical connection that allows the luminaire body to be extracted and oriented up to 60° on the vertical axis and 360° on the horizontal axis, ensuring an impressive versatility, ideal to meet the needs of any project. Versions developed for wall mounting are available with single or dual emission.

Optical Group

Optical group with high visual comfort in the body of the product, available with differentiated beamwidths. This luminaire is designed to provide diffuse light emission or a more concentrated light distribution, ideal when accent or spot lighting is needed for reading in bed headboard applications. Each unit includes a diffusing screen accessory that can be integrated into the optical group, resulting in a soft light effect.

Power Supply

All devices must be powered by a remote controller (not included) available with various control options.

Control System

Units can be controlled by 0/1-10V, DALI, Push Dimming and Casambi. Broadcast control system. In devices with dual emission, direct and indirect emissions can be controlled independently.

Installation

The product is ready to be installed on different surface types. All products are completed with a dedicated No Trim or plate installation mounting kit. The No Trim installation is only compatible with plasterboard surfaces with a minimum thickness of 9mm and a maximum of 25mm. Plate installation allows the electrical connection to be made inside the surface mount.

Additional Information

Constant voltage controlled electrical system. IP20 Protection Index. Suitable for installation on normally flammable surfaces.

Standard Compliance and Quality Marks

EN60598N/D European Technical Standards and any subsequent additions.

Descripción

Nuevo programa de luminarias para instalación en pared y techo desarrollado a medida para aplicaciones residenciales o de hostelería. El diseño extremadamente minimalista del producto esconde una conexión mecánica especial integrada que permite extraer y orientar el cuerpo de la luminaria hasta 60° en el eje vertical y 360° en el eje horizontal, garantizando una impresionante versatilidad, perfecta para satisfacer las necesidades de cualquier proyecto. Las versiones desarrolladas para instalación en pared están disponibles con emisión simple o doble.

Grupo Óptico

Grupo óptico con un elevado confort visual en el cuerpo del producto, disponible con aperturas de haz diferenciadas. La luminaria está preparada para proporcionar una emisión de luz difusa o una distribución más concentrada, perfecta para iluminación de acento o puntual para la lectura en aplicaciones para cabecero de cama. Cada luminaria incluye una pantalla difusora como accesorio que se puede integrar en el grupo óptico dando como resultado un efecto de luz suave.

Unidades de Alimentación

Todos los aparatos deben ser alimentados mediante un controlador remoto no incluido, disponible con varias alternativas de control.

Sistema de Regulación

Los aparatos pueden ser controlados mediante 0/1-10V, DALI, Push Dimming y Casambi. Sistema de control broadcast. En los aparatos con doble emisión se pueden controlar las emisiones directa e indirecta de manera independiente.

Instalación

El producto está preparado para ser instalado sobre diferentes tipos de superficies. Todos los productos se completan con un kit de montaje específico para la instalación No Trim o con placa. La instalación No Trim sólo es compatible con superficies en pladur con un grosor mínimo de 9 mm y máximo de 25 mm. La instalación con placa permite realizar la conexión eléctrica en el interior del soporte en superficie.

Información Adicional

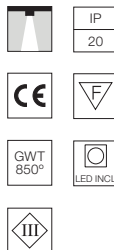
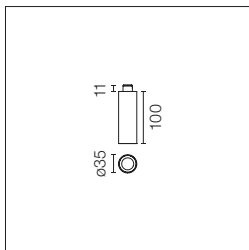
Sistema eléctrico controlado en tensión constante. Índice de protección IP20. Apto para instalación en superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598N/D y partes segundas.

Mono Spot Ceiling Small Ø35

Light Source: Power LED 7W - 660 lm - 2700K/CRI 90 / 7W - 700 lm - 3000K/CRI 90



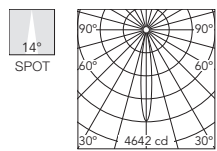
Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592 / 60.9162
 Dimmable 1-10V 60.9439
 Dimmable Dali 60.9222 / 60.9186

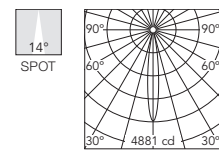
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
 03.1220.DY
 03.1220.DR



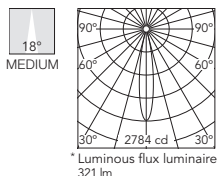
Beam Angle	h(m)	E(lx)	D(m)
14°	1	4642	0.24
30°	2	1160	0.48
45°	3	516	0.72
60°	4	290	0.95
75°	5	186	1.19

3000K
 03.1225.DY
 03.1225.DR



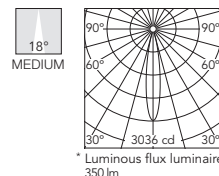
Beam Angle	h(m)	E(lx)	D(m)
14°	1	4881	0.24
30°	2	1220	0.49
45°	3	542	0.73
60°	4	305	0.97
75°	5	195	1.21

2700K
 03.1221.DY
 03.1221.DR



Beam Angle	h(m)	E(lx)	D(m)
18°	1	2784	0.31
36°	2	696	0.62
54°	3	309	0.93
72°	4	174	1.23
90°	5	111	1.54

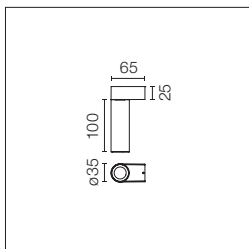
3000K
 03.1226.DY
 03.1226.DR



Beam Angle	h(m)	E(lx)	D(m)
18°	1	3036	0.31
36°	2	759	0.62
54°	3	337	0.93
72°	4	190	1.23
90°	5	121	1.54

Mono Spot Wall Small Ø35

Light Source: Power LED 7W - 660 lm - 2700K/CRI 90 / 7W - 700 lm - 3000K/CRI 90



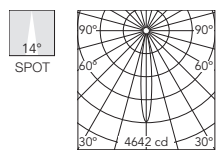
Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 60.9592 / 60.9162
 Dimmable 1-10V 60.9439
 Dimmable Dali 60.9222 / 60.9186

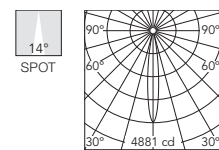
* Refer to the Drivers chapter / Ver capítulo Drivers

2700K
 03.1200.DY
 03.1200.DR



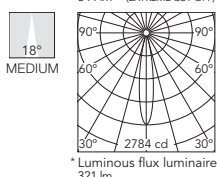
Beam Angle	h(m)	E(lx)	D(m)
14°	1	4642	0.24
30°	2	1160	0.48
45°	3	516	0.72
60°	4	290	0.95
75°	5	186	1.19

3000K
 03.1205.DY
 03.1205.DR



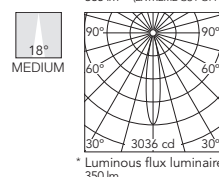
Beam Angle	h(m)	E(lx)	D(m)
14°	1	4881	0.24
30°	2	1220	0.49
45°	3	542	0.73
60°	4	305	0.97
75°	5	195	1.21

2700K
 03.1201.DY
 03.1201.DR



Beam Angle	h(m)	E(lx)	D(m)
18°	1	2784	0.31
36°	2	696	0.62
54°	3	309	0.93
72°	4	174	1.23
90°	5	111	1.54

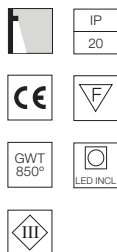
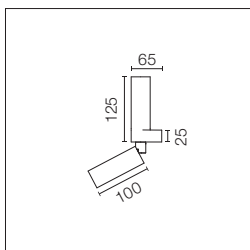
3000K
 03.1206.DY
 03.1206.DR



Beam Angle	h(m)	E(lx)	D(m)
18°	1	3036	0.31
36°	2	759	0.62
54°	3	337	0.93
72°	4	190	1.23
90°	5	121	1.54

Double Spot Wall Small Ø35

Light Source: Power LED 14W - 1320 lm - 2700K/CRI 90 / 14W - 1400 lm - 3000K/CRI 90



Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

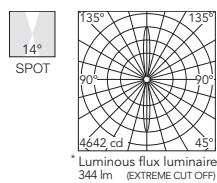
Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:

Non Dimmable	60.9592 / 60.9162
Dimmable 1-10V	60.9439
Dimmable Dali	60.9222 / 60.9186

* Refer to the Drivers chapter / Ver capítulo Drivers

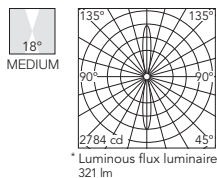
2700K
03.1210.DY
03.1210.DR



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4642	0.24
2	1160	0.48
3	516	0.72
4	290	0.95
5	186	1.19

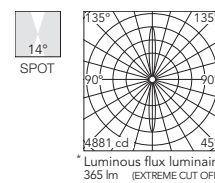
2700K
03.1211.DY
03.1211.DR



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2784	0.31
2	696	0.62
3	309	0.93
4	174	1.23
5	111	1.54

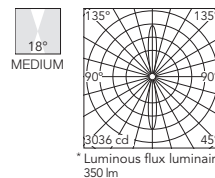
3000K
03.1215.DY
03.1215.DR



Beam Angle: 14°

h(m)	E(lx)	D(m)
1	4881	0.24
2	1220	0.49
3	542	0.73
4	305	0.97
5	195	1.21

3000K
03.1216.DY
03.1216.DR



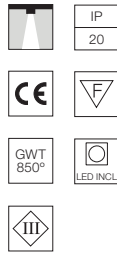
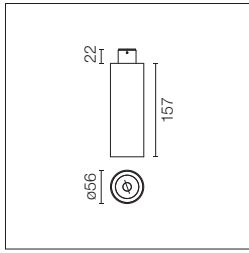
Beam Angle: 18°

h(m)	E(lx)	D(m)
1	3036	0.31
2	759	0.62
3	337	0.93
4	190	1.23
5	121	1.54

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Mono Spot Ceiling Large Ø56

Light Source: Power LED 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90



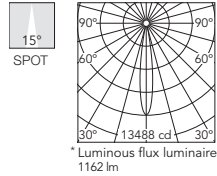
Adjustable luminaire with LED for indoor use, suitable for ceiling installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

Luminaria orientable con LED para uso en interiores, apta para instalación en techo. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:
Dimmable Dali / 0/1-10V 60.9276

* Refer to the Drivers chapter / Ver capítulo Drivers

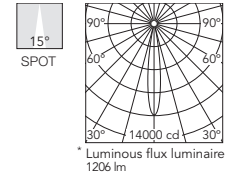
2700K
03.1250.DY
03.1250.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13488	0.27
2	3372	0.54
3	1499	0.82
4	843	1.09
5	540	1.36

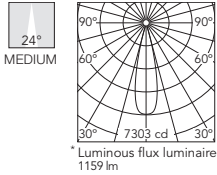
3000K
03.1255.DY
03.1255.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14000	0.27
2	3500	0.54
3	1556	0.82
4	875	1.09
5	560	1.36

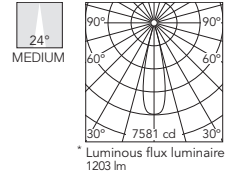
2700K
03.1251.DY
03.1251.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7303	0.43
2	1826	0.86
3	811	1.29
4	456	1.72
5	292	2.16

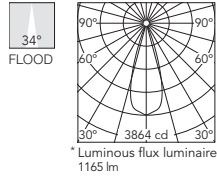
3000K
03.1256.DY
03.1256.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7581	0.43
2	1895	0.86
3	842	1.29
4	474	1.72
5	303	2.16

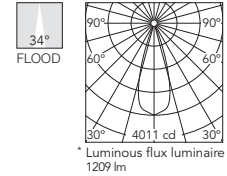
2700K
03.1252.DY
03.1252.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3864	0.61
2	966	1.22
3	429	1.82
4	241	2.43
5	155	3.04

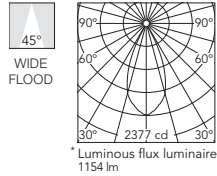
3000K
03.1257.DY
03.1257.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	4011	0.61
2	1003	1.22
3	446	1.82
4	251	2.43
5	160	3.04

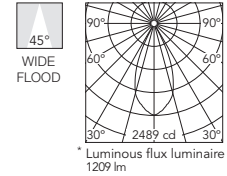
2700K
03.1253.DY
03.1253.DR



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2377	0.83
2	594	1.66
3	264	2.49
4	149	3.31
5	95	4.14

3000K
03.1258.DY
03.1258.DR



Beam Angle: 45°

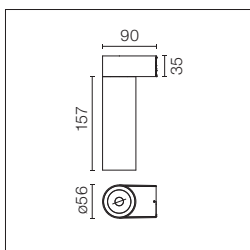
h(m)	E(lx)	D(m)
1	2489	0.83
2	622	1.66
3	277	2.49
4	156	3.31
5	100	4.14

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

C 1

Mono Spot Wall Large Ø56

Light Source: Power LED 14W - 1225 lm - 2700K/CRI 90 / 14W - 1300 lm - 3000K/CRI 90



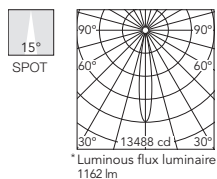
Adjustable luminaire with LED for indoor use, suitable for wall installation. The body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:
Dimmable Dali / 0/1-10V 60.9276

* Refer to the Drivers chapter / Ver capítulo Drivers

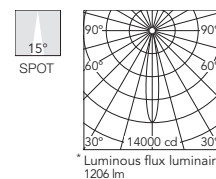
2700K
03.1230.DY
03.1230.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13488	0.27
2	3372	0.54
3	1499	0.82
4	843	1.09
5	540	1.36

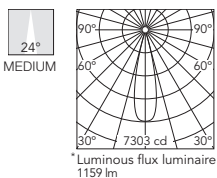
3000K
03.1235.DY
03.1235.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14000	0.27
2	3500	0.54
3	1556	0.82
4	875	1.09
5	560	1.36

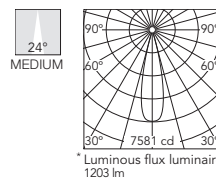
2700K
03.1231.DY
03.1231.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7303	0.43
2	1826	0.86
3	811	1.29
4	456	1.72
5	292	2.16

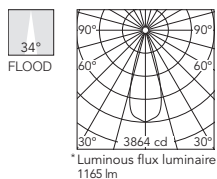
3000K
03.1236.DY
03.1236.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7581	0.43
2	1895	0.86
3	842	1.29
4	474	1.72
5	303	2.16

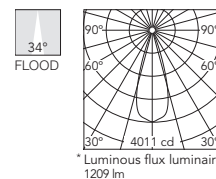
2700K
03.1232.DY
03.1232.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3864	0.61
2	966	1.22
3	429	1.82
4	241	2.43
5	155	3.04

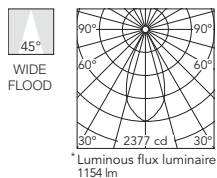
3000K
03.1237.DY
03.1237.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	4011	0.61
2	1003	1.22
3	446	1.82
4	251	2.43
5	160	3.04

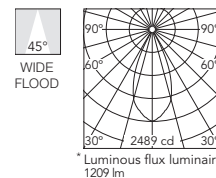
2700K
03.1233.DY
03.1233.DR



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2377	0.83
2	594	1.66
3	264	2.49
4	149	3.31
5	95	4.14

3000K
03.1238.DY
03.1238.DR



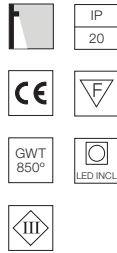
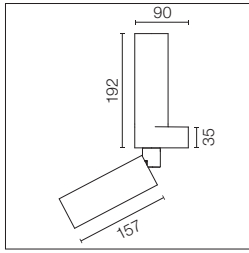
Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2489	0.83
2	622	1.66
3	277	2.49
4	156	3.31
5	100	4.14

* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

Double Spot Wall Large Ø56

Light Source: Power LED 28W - 2450 lm - 2700K/CRI 90 / 28W - 2600 lm - 3000K/CRI 90



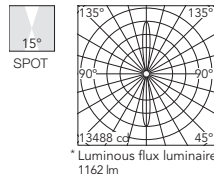
Adjustable luminaire with LED for indoor use, suitable for wall installation. The lower part of the body can be extracted from the installation surface for 60° orientation on the vertical axis and 360° on the horizontal axis. Integrated Full cut-off optical group. Accessories included (diffuser). The remote power supply (not included) must be placed in an accessible location.

Luminaria orientable con LED para uso en interiores, apta para instalación en pared. Es posible extraer el cuerpo inferior del producto de la superficie de instalación para orientarlo 60° en eje vertical y 360° en eje horizontal. Grupo óptico Full cut-off integrado. Accesorios incluidos (difusor). La alimentación remota (no incluida) debe colocarse en un lugar accesible.

Recommended power supply / Equipos recomendados*:
Dimmable Dali / 0/1-10V 60.9276

* Refer to the Drivers chapter / Ver capítulo Drivers

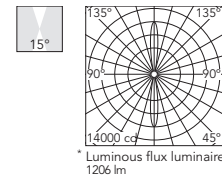
2700K
03.1240.DY
03.1240.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	13488	0.27
2	3372	0.54
3	1499	0.82
4	843	1.09
5	540	1.36

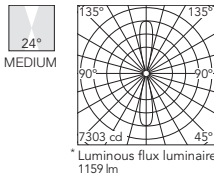
3000K
03.1245.DY
03.1245.DR



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	14000	0.27
2	3500	0.54
3	1556	0.82
4	875	1.09
5	560	1.36

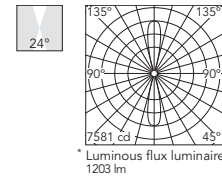
2700K
03.1241.DY
03.1241.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7303	0.43
2	1826	0.86
3	811	1.29
4	456	1.72
5	292	2.16

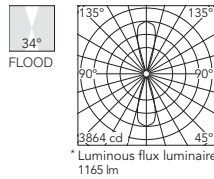
3000K
03.1246.DY
03.1246.DR



Beam Angle: 24°

h(m)	E(lx)	D(m)
1	7581	0.43
2	1895	0.86
3	842	1.29
4	474	1.72
5	303	2.16

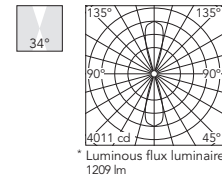
2700K
03.1242.DY
03.1242.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	3864	0.61
2	966	1.22
3	429	1.82
4	241	2.43
5	155	3.04

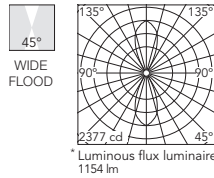
3000K
03.1247.DY
03.1247.DR



Beam Angle: 34°

h(m)	E(lx)	D(m)
1	4011	0.61
2	1003	1.22
3	446	1.82
4	251	2.43
5	160	3.04

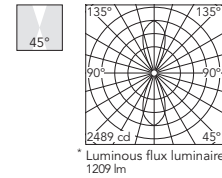
2700K
03.1243.DY
03.1243.DR



Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2377	0.83
2	594	1.66
3	264	2.49
4	149	3.31
5	95	4.14

3000K
03.1248.DY
03.1248.DR











Beam Angle: 45°

h(m)	E(lx)	D(m)
1	2489	0.83
2	622	1.66
3	277	2.49
4	156	3.31
5	100	4.14





































* Preliminary photometries. Visit our website for updated information / Fotometrías preliminares. Consultar la web para información actualizada.

C 1

Accessories / Accesorios

No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.		C1 Wall Small 08.0206.00
No Trim installation frame for wall mounting.	Marco de instalación No Trim para instalación en pared.		C1 Wall Large 08.0205.00
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.		C1 Ceiling Small 08.0208.00
No Trim installation frame for ceiling mounting.	Marco de instalación No Trim para instalación en techo.		C1 Ceiling Large 08.0207.00
Coated aluminum mount for surface installation (wall).	Soporte en aluminio barnizado para instalación en superficie (pared).		C1 Wall Small 08.0209.DY 08.0209.DR
Aluminum mount for surface installation (wall).	Soporte en aluminio para instalación en superficie (pared).		C1 Wall Large 08.0210.00
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).		C1 Ceiling Small 08.0211.DY 08.0211.DR
Coated aluminum mount for surface installation (ceiling).	Soporte en aluminio barnizado para instalación en superficie (techo).		C1 Ceiling Large 08.0212.DY 08.0212.DR

HOW TO ORDER C 1

		SURFACE				RECESSED			
		SMALL		LARGE		SMALL		LARGE	
CEILING	Mono Spot								
	+								
WALL	Mono Spot								
	+								
	Double Spot								
	+								

UT PRO SURFACE

DESIGNED BY FLOS ARCHITECTURAL

UT PRO SURFACE 150



LIGHT SOURCE
LED ARRAY
23,5W
2300 lm
3000K/CRI 80
1950 lm
3000K/CRI 90
2009 lm
4000K/CRI 90

UT PRO SURFACE 175



LIGHT SOURCE
LED ARRAY
35,3W
4145 lm
3000K/CRI 80
3425 lm
3000K/CRI 90
3569 lm
4000K/CRI 90

□ 40 White
40 Blanco



■ 14 Black
14 Negro



Description

Indoor luminaire for surface installation, available in high power, LED technology light sources and regulator included.

The optical housing of the luminaire, as well as the container of the power supply equipment, is manufactured in high-pressure injected aluminium, with white or black finishes.

The luminaires include a power supply unit in the luminaire's own body.

Optic System

Available with spot, medium and flood optics and a built-in high-efficiency borosilicate glass reflector.

Accessories

Shielding cylinder, elliptical lens, flood and honeycomb lens.

Additional Information

Possibility of 360° rotation in the vertical axis and 90° rotation in the horizontal axis. Blocking mechanism for horizontal axis integrated. IP20 protection grade.

Compliance of Standards and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de interior para ser instalada en superficie, disponible con fuentes de luz de tecnología LED de alta potencia y regulador incluido.

El cuerpo óptico de la luminaria, así como el contenedor de los equipos de alimentación, están fabricados en aluminio inyectado a alta presión, acabados en pintura polvo de color blanco o negro.

Las luminarias incluyen equipo de alimentación en el propio cuerpo de la luminaria.

Sistema Óptico

Se encuentran disponibles con ópticas spot, medium y flood e incorporan reflector de cristal de borosilicato de alta eficiencia.

Accesorios

Disponible cruceta de apantallamiento, lente elíptica, lente flood y honeycomb.

Información Adicional

Posibilidad de rotación 360° en eje vertical y 90° en eje horizontal. Mecanismo de bloqueo para el eje horizontal incorporado.

Índice de protección IP20.

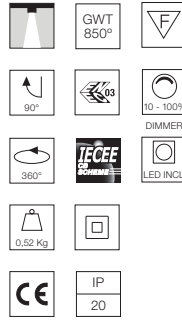
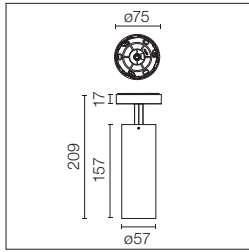
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

UT PRO SURFACE

UT Pro Surface 150

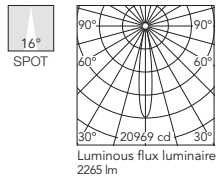
Light Source: LED Array 23,5W - 2300 lm - 3000K/CRI 80 / 23,5W - 1950 lm - 3000K/CRI 90 / 23,5W - 2009 lm - 4000K/CRI 90



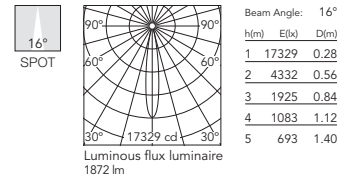
LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

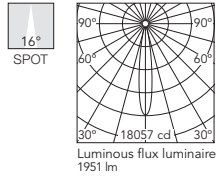
3000K - CRI 80
On board dimmer
09.7290.40A
09.7290.14A



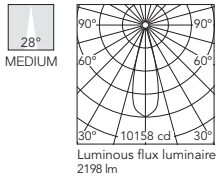
3000K - CRI 90
On board dimmer
09.7296.40A
09.7296.14A



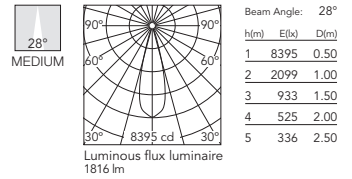
4000K - CRI 90
On board dimmer
09.7291.40A
09.7291.14A



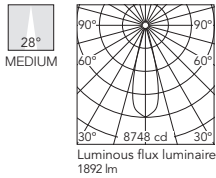
3000K - CRI 80
On board dimmer
09.7292.40A
09.7292.14A



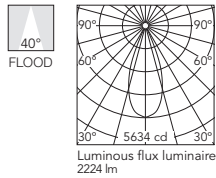
3000K - CRI 90
On board dimmer
09.7297.40A
09.7297.14A



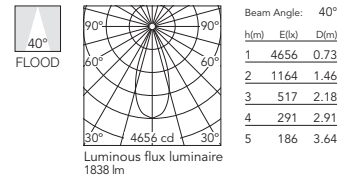
4000K - CRI 90
On board dimmer
09.7293.40A
09.7293.14A



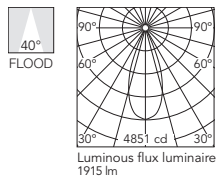
3000K - CRI 80
On board dimmer
09.7294.40A
09.7294.14A



3000K - CRI 90
On board dimmer
09.7298.40A
09.7298.14A



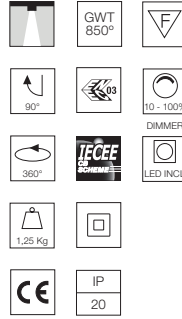
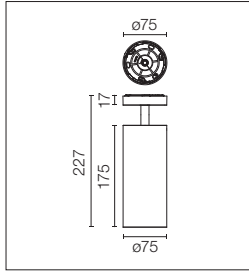
4000K - CRI 90
On board dimmer
09.7295.40A
09.7295.14A



UT PRO SURFACE

UT Pro Surface 175

Light Source: LED Array 35,3W - 3950 lm - 3000K/CRI 80 / 35,3W - 3250 lm - 3000K/CRI 90 / 35,3W - 3400 lm - 4000K/CRI 90



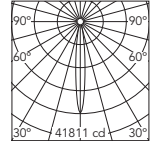
LED light source projector for surface installation. 120-277V power supply unit and potentiometer included.

Proyector para ser instalado en superficie con fuente de luz LED. Fuente de alimentación 120-277V y potenciómetro incluidos.

3000K - CRI 80

On board dimmer

- 09.7320.40
- 09.7320.14



Beam Angle: 12°

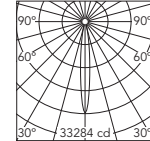
h(m)	E(lx)	D(m)
1	41811 0.21	
2	10453 0.41	
3	4646 0.62	
4	2613 0.83	
5	1672 1.03	

Luminous flux luminaire
41811 cd
3664 lm

3000K - CRI 90

On board dimmer

- 09.7321.40
- 09.7321.14



Beam Angle: 12°

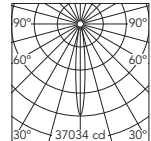
h(m)	E(lx)	D(m)
1	33284 0.21	
2	8321 0.41	
3	3698 0.62	
4	2080 0.83	
5	1331 1.03	

Luminous flux luminaire
33284 cd
2916 lm

4000K - CRI 90

On board dimmer

- 09.7322.40
- 09.7322.14



Beam Angle: 12°

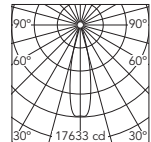
h(m)	E(lx)	D(m)
1	37034 0.21	
2	9258 0.41	
3	4115 0.62	
4	2315 0.83	
5	1481 1.03	

Luminous flux luminaire
37034 cd
3245 lm

3000K - CRI 80

On board dimmer

- 09.7323.40
- 09.7323.14



Beam Angle: 25°

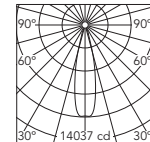
h(m)	E(lx)	D(m)
1	17633 0.44	
2	4408 0.88	
3	1959 1.32	
4	1102 1.76	
5	705 2.20	

Luminous flux luminaire
17633 cd
3637 lm

3000K - CRI 90

On board dimmer

- 09.7324.40
- 09.7324.14



Beam Angle: 25°

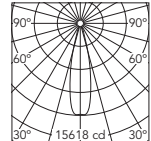
h(m)	E(lx)	D(m)
1	14037 0.44	
2	3509 0.88	
3	1560 1.32	
4	877 1.76	
5	561 2.20	

Luminous flux luminaire
14037 cd
2895 lm

4000K - CRI 90

On board dimmer

- 09.7325.40
- 09.7325.14



Beam Angle: 25°

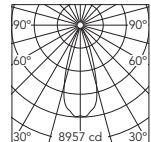
h(m)	E(lx)	D(m)
1	15618 0.44	
2	3904 0.88	
3	1735 1.32	
4	976 1.76	
5	625 2.20	

Luminous flux luminaire
15618 cd
3221 lm

3000K - CRI 80

On board dimmer

- 09.7326.40
- 09.7326.14



Beam Angle: 37°

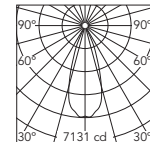
h(m)	E(lx)	D(m)
1	8957 0.66	
2	2239 1.32	
3	995 1.98	
4	560 2.65	
5	358 3.31	

Luminous flux luminaire
8957 cd
3321 lm

3000K - CRI 90

On board dimmer

- 09.7327.40
- 09.7327.14



Beam Angle: 37°

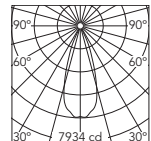
h(m)	E(lx)	D(m)
1	7131 0.66	
2	1783 1.32	
3	792 1.98	
4	446 2.65	
5	285 3.31	

Luminous flux luminaire
7131 cd
2644 lm

4000K - CRI 90

On board dimmer

- 09.7328.40
- 09.7328.14



Beam Angle: 37°

h(m)	E(lx)	D(m)
1	7934 0.66	
2	1983 1.32	
3	882 1.98	
4	496 2.65	
5	317 3.31	






Luminous flux luminaire
7934 cd
2941 lm

UT PRO SURFACE

Accessories / Accesorios

Screening crosspiece, lenses and honeycomb directly installable on the head of the luminaire without needing any fastening accessory. Installation compatible with honeycomb + lense at the same time.

Cruceta de apantallamiento, lentes y honeycomb directamente instalables en la cabeza de la luminaria sin necesidad de accesorio de sujeción. Compatibilidad de instalación de honeycomb + lente al mismo tiempo.

Screening crosspiece.	Cruceta de apantallamiento.		UT Pro Surface 150 08.8429.00 UT Pro Surface 175 08.9108.00
Elliptical lens.	Lente elíptica.		UT Pro Surface 150 08.8431.00 UT Pro Surface 175 08.9109.00
Flood lens.	Lente flood.		UT Pro Surface 150 08.8432.00 UT Pro Surface 175 08.9110.00
Honeycomb.	Honeycomb.		UT Pro Surface 150 08.8428.00 UT Pro Surface 175 08.9107.00
Snoot shielding cone.	Cono apantallador.		UT Pro Surface 150 08.0526.00 UT Pro Surface 175 08.9111.00

KAP SURFACE / SUSPENSION

DESIGNED BY FLOS ARCHITECTURAL



Outside / Exterior

- B1 White
B1 Blanco
- 14 Black
14 Negro
- 18 Deep Brown
18 Deep Brown

Inside / Interior

- White
Blanco
- Matt Gold
Oro Mate
- Copper
Cobre
- Black
Negro

**Kap 80
Round / Square**



Outside / Exterior

- 11 White
11 Blanco
- AS Brushed Aluminium
AS Aluminio Satinado
- AN Black
AN Negro
- B3 Brown
B3 Marrón

Inside / Interior

- White
Blanco
- Matt Gold
Oro Mate
- Blue
Azul
- Black
Negro

Kap Ø100



KAP SURFACE / SUSPENSION

Description

Family of luminaires with direct or indirect lighting depending on the version, to be installed on ceilings, walls or suspended. Version Ø80 comes with round or square lighting modules.

The main body of the luminaire is made of extruded aluminum.

Kap 80 Surface version is available in three external finishes (black, white and deep brown) and four internal finishes (white, matt gold, copper and black).

The other versions are available in four external finishes (white, polished aluminium, black and brown) and four internal finishes (white, matt gold, blue and black).

Reflectors

Version Ø100 has an internal reflector in painted polycarbonate in its internal part, while version Ø80 has a reflector in painted aluminum. Furthermore, both versions incorporate a diffusing lens in opal polycarbonate to ensure uniform light distribution.

Versions for halogen lamps have a reflector in painted aluminium and glass diffuser made of sand-blasted glass.

Power Supply

Electronic transformer incorporated.

Additional Information

IP20 protection grade.

Insulation class I.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de luminarias con iluminación directa o iluminación directa e indirecta según versión, para ser instalada a techo, a pared o suspendida. La versión Ø80 cuenta con módulos de iluminación redondos y cuadrados.

El cuerpo principal de la luminaria está realizado en aluminio extruido.

La versión Kap 80 Surface está disponible en tres acabados exteriores (blanco, negro y deep brown) y cuatro acabados interiores (blanco, oro mate, cobre y negro).

El resto de versiones están disponibles en 4 acabados exteriores (blanco, aluminio pulido, negro y marrón) y 4 acabados interiores (blanco, oro mate, azul y negro).

Reflectores

La versión Ø100 dispone de un reflector interior realizado en policarbonato pintado por la parte interna, mientras que la versión Ø80 cuenta con un reflector realizado en aluminio pintado. Además, ambas versiones incorporan una lente difusora realizada en policarbonato opal para ofrecer una luz uniforme.

Las versiones para lámpara halógena disponen de reflector realizado en aluminio pintado y cristal difusor realizado en cristal con acabado arenado.

Unidades de Alimentación

Transformador electrónico incorporado.

Información Adicional

Índice de protección IP20.

Clase de aislamiento I.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



Ceiling



Suspension

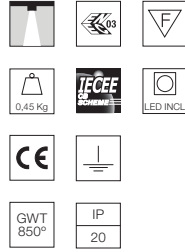
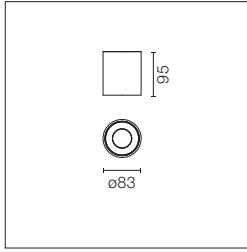


Wall

KAP SURFACE

Kap 80 Surface Ceiling Round - Optic Spot / Optic Medium

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90



Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/ Push dimmable 220/240V.

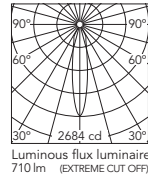
E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/ Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

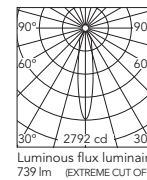
E	I	Non Dimmable
■	■	03.6020.B1
■	■	03.6020.14
■	■	03.6020.18
Mains Dimming		
■	■	03.5920.B1
■	■	03.5920.14
■	■	03.5920.18
Dali/ Push Version		
■	■	03.6020.B1.DA
■	■	03.6020.14.DA
■	■	03.6020.18.DA



Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2684	0.34	
2	671	0.68	
3	298	1.02	
4	168	1.36	
5	107	1.70	

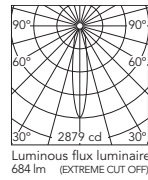
Optic Spot 3000K

E	I	Non Dimmable
■	■	03.6024.B1
■	■	03.6024.14
■	■	03.6024.18
Mains Dimming		
■	■	03.5924.B1
■	■	03.5924.14
■	■	03.5924.18
Dali/ Push Version		
■	■	03.6024.B1.DA
■	■	03.6024.14.DA
■	■	03.6024.18.DA



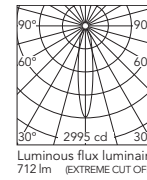
Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2792	0.34	
2	698	0.68	
3	310	1.02	
4	175	1.36	
5	112	1.70	

E	I	Non Dimmable
■	■	03.6021.B1
■	■	03.6021.14
■	■	03.6021.18
Mains Dimming		
■	■	03.5921.B1
■	■	03.5921.14
■	■	03.5921.18
Dali/ Push Version		
■	■	03.6021.B1.DA
■	■	03.6021.14.DA
■	■	03.6021.18.DA



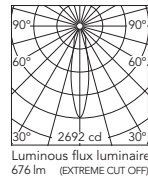
Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2879	0.33	
2	720	0.67	
3	320	1.00	
4	180	1.33	
5	115	1.66	

E	I	Non Dimmable
■	■	03.6025.B1
■	■	03.6025.14
■	■	03.6025.18
Mains Dimming		
■	■	03.5925.B1
■	■	03.5925.14
■	■	03.5925.18
Dali/ Push Version		
■	■	03.6025.B1.DA
■	■	03.6025.14.DA
■	■	03.6025.18.DA



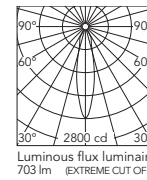
Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2995	0.33	
2	749	0.67	
3	333	1.00	
4	187	1.33	
5	120	1.66	

E	I	Non Dimmable
■	■	03.6022.B1
■	■	03.6022.14
■	■	03.6022.18
Mains Dimming		
■	■	03.5922.B1
■	■	03.5922.14
■	■	03.5922.18
Dali/ Push Version		
■	■	03.6022.B1.DA
■	■	03.6022.14.DA
■	■	03.6022.18.DA



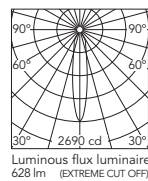
Beam Angle: 22°	h(m)	E(lx)	D(m)
1	2692	0.40	
2	673	0.79	
3	299	1.19	
4	168	1.58	
5	108	1.98	

E	I	Non Dimmable
■	■	03.6026.B1
■	■	03.6026.14
■	■	03.6026.18
Mains Dimming		
■	■	03.5926.B1
■	■	03.5926.14
■	■	03.5926.18
Dali/ Push Version		
■	■	03.6026.B1.DA
■	■	03.6026.14.DA
■	■	03.6026.18.DA



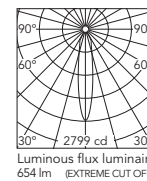
Beam Angle: 22°	h(m)	E(lx)	D(m)
1	2800	0.40	
2	700	0.79	
3	311	1.19	
4	175	1.58	
5	112	1.98	

E	I	Non Dimmable
■	■	03.6023.B1
■	■	03.6023.14
■	■	03.6023.18
Mains Dimming		
■	■	03.5923.B1
■	■	03.5923.14
■	■	03.5923.18
Dali/ Push Version		
■	■	03.6023.B1.DA
■	■	03.6023.14.DA
■	■	03.6023.18.DA



Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2690	0.33	
2	673	0.66	
3	299	0.99	
4	168	1.31	
5	108	1.64	

E	I	Non Dimmable
■	■	03.6027.B1
■	■	03.6027.14
■	■	03.6027.18
Mains Dimming		
■	■	03.5927.B1
■	■	03.5927.14
■	■	03.5927.18
Dali/ Push Version		
■	■	03.6027.B1.DA
■	■	03.6027.14.DA
■	■	03.6027.18.DA



Beam Angle: 19°	h(m)	E(lx)	D(m)
1	2799	0.33	
2	700	0.66	
3	311	0.99	
4	175	1.31	
5	112	1.64	

KAP SURFACE

Optic Medium 2700K

E	I
■	■
■	■
■	■

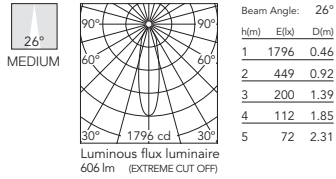
 Non Dimmable
 03.6000.B1
 03.6000.14
 03.6000.18
 Mains Dimming

■	■
■	■
■	■

 03.5900.B1
 03.5900.14
 03.5900.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6000.B1.DA
 03.6000.14.DA
 03.6000.18.DA



Optic Medium 3000K

E	I
■	■
■	■
■	■

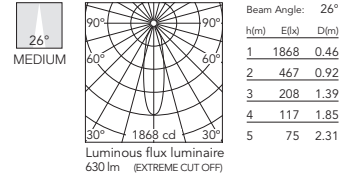
 Non Dimmable
 03.6004.B1
 03.6004.14
 03.6004.18
 Mains Dimming

■	■
■	■
■	■

 03.5904.B1
 03.5904.14
 03.5904.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6004.B1.DA
 03.6004.14.DA
 03.6004.18.DA



■	■
■	■
■	■

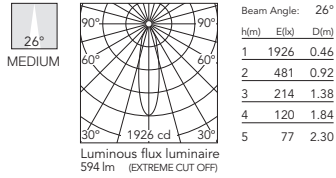
 Non Dimmable
 03.6001.B1
 03.6001.14
 03.6001.18
 Mains Dimming

■	■
■	■
■	■

 03.5901.B1
 03.5901.14
 03.5901.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6001.B1.DA
 03.6001.14.DA
 03.6001.18.DA



■	■
■	■
■	■

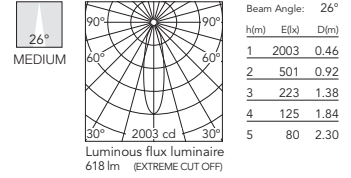
 Non Dimmable
 03.6005.B1
 03.6005.14
 03.6005.18
 Mains Dimming

■	■
■	■
■	■

 03.5905.B1
 03.5905.14
 03.5905.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6005.B1.DA
 03.6005.14.DA
 03.6005.18.DA



■	■
■	■
■	■

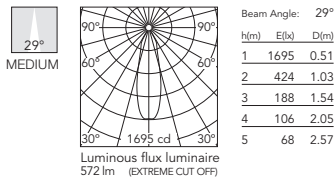
 Non Dimmable
 03.6002.B1
 03.6002.14
 03.6002.18
 Mains Dimming

■	■
■	■
■	■

 03.5902.B1
 03.5902.14
 03.5902.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6002.B1.DA
 03.6002.14.DA
 03.6002.18.DA



■	■
■	■
■	■

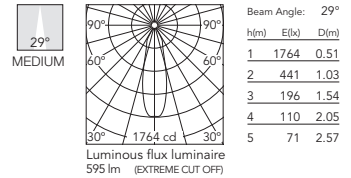
 Non Dimmable
 03.6006.B1
 03.6006.14
 03.6006.18
 Mains Dimming

■	■
■	■
■	■

 03.5906.B1
 03.5906.14
 03.5906.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6006.B1.DA
 03.6006.14.DA
 03.6006.18.DA



■	■
■	■
■	■

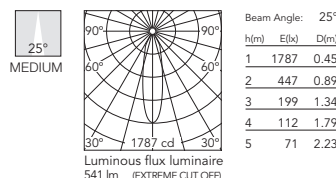
 Non Dimmable
 03.6003.B1
 03.6003.14
 03.6003.18
 Mains Dimming

■	■
■	■
■	■

 03.5903.B1
 03.5903.14
 03.5903.18
 Dali/ Push Version

■	■
■	■
■	■

 03.6003.B1.DA
 03.6003.14.DA
 03.6003.18.DA



■	■
■	■
■	■

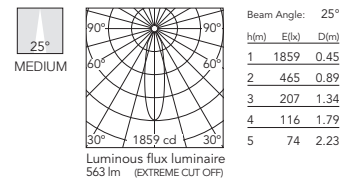
 Non Dimmable
 03.6007.B1
 03.6007.14
 03.6007.18
 Mains Dimming

■	■
■	■
■	■

 03.5907.B1
 03.5907.14
 03.5907.18
 Dali/ Push Version

■	■
■	■
■	■

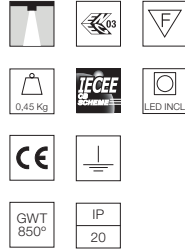
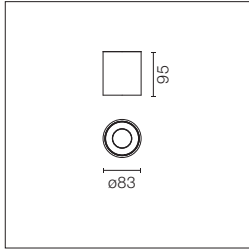
 03.6007.B1.DA
 03.6007.14.DA
 03.6007.18.DA



KAP SURFACE

Kap 80 Surface Ceiling Round - Optic Flood

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90



Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

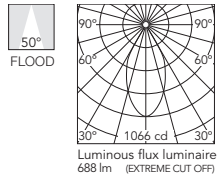
E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

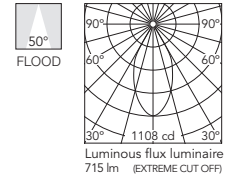
Optic Flood 2700K

- | | | |
|-------------------|---|---------------|
| E | I | Non Dimmable |
| ■ | ■ | 03.6040.B1 |
| ■ | ■ | 03.6040.14 |
| ■ | ■ | 03.6040.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5940.B1 |
| ■ | ■ | 03.5940.14 |
| ■ | ■ | 03.5940.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6040.B1.DA |
| ■ | ■ | 03.6040.14.DA |
| ■ | ■ | 03.6040.18.DA |

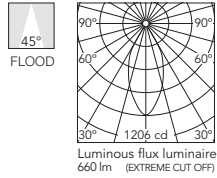


Optic Flood 3000K

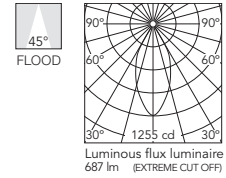
- | | | |
|-------------------|---|---------------|
| E | I | Non Dimmable |
| ■ | ■ | 03.6044.B1 |
| ■ | ■ | 03.6044.14 |
| ■ | ■ | 03.6044.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5944.B1 |
| ■ | ■ | 03.5944.14 |
| ■ | ■ | 03.5944.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6044.B1.DA |
| ■ | ■ | 03.6044.14.DA |
| ■ | ■ | 03.6044.18.DA |



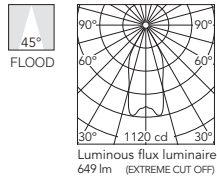
- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6041.B1 |
| ■ | ■ | 03.6041.14 |
| ■ | ■ | 03.6041.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5941.B1 |
| ■ | ■ | 03.5941.14 |
| ■ | ■ | 03.5941.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6041.B1.DA |
| ■ | ■ | 03.6041.14.DA |
| ■ | ■ | 03.6041.18.DA |



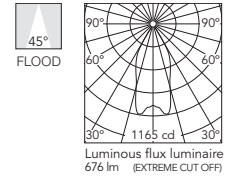
- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6045.B1 |
| ■ | ■ | 03.6045.14 |
| ■ | ■ | 03.6045.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5945.B1 |
| ■ | ■ | 03.5945.14 |
| ■ | ■ | 03.5945.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6045.B1.DA |
| ■ | ■ | 03.6045.14.DA |
| ■ | ■ | 03.6045.18.DA |



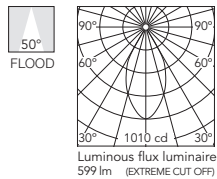
- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6042.B1 |
| ■ | ■ | 03.6042.14 |
| ■ | ■ | 03.6042.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5942.B1 |
| ■ | ■ | 03.5942.14 |
| ■ | ■ | 03.5942.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6042.B1.DA |
| ■ | ■ | 03.6042.14.DA |
| ■ | ■ | 03.6042.18.DA |



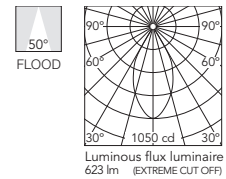
- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6046.B1 |
| ■ | ■ | 03.6046.14 |
| ■ | ■ | 03.6046.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5946.B1 |
| ■ | ■ | 03.5946.14 |
| ■ | ■ | 03.5946.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6046.B1.DA |
| ■ | ■ | 03.6046.14.DA |
| ■ | ■ | 03.6046.18.DA |



- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6043.B1 |
| ■ | ■ | 03.6043.14 |
| ■ | ■ | 03.6043.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5943.B1 |
| ■ | ■ | 03.5943.14 |
| ■ | ■ | 03.5943.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6043.B1.DA |
| ■ | ■ | 03.6043.14.DA |
| ■ | ■ | 03.6043.18.DA |



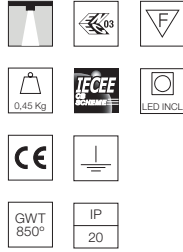
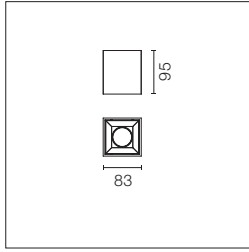
- | | | |
|-------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6047.B1 |
| ■ | ■ | 03.6047.14 |
| ■ | ■ | 03.6047.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5947.B1 |
| ■ | ■ | 03.5947.14 |
| ■ | ■ | 03.5947.18 |
| Dali/Push Version | | |
| ■ | ■ | 03.6047.B1.DA |
| ■ | ■ | 03.6047.14.DA |
| ■ | ■ | 03.6047.18.DA |



KAP SURFACE

Kap 80 Surface Ceiling Square - Optic Spot

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90



Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

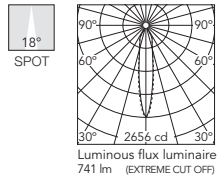
E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Spot 2700K

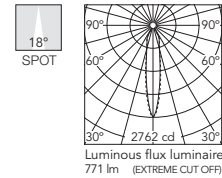
E	I	Non Dimmable
□	□	03.6030.B1
■	□	03.6030.14
■	■	03.6030.18
Mains Dimming		
□	□	03.5930.B1
■	□	03.5930.14
■	■	03.5930.18
Dali/Push Version		
□	□	03.6030.B1.DA
■	□	03.6030.14.DA
■	■	03.6030.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2656	0.31	
2	664	0.62	
3	295	0.94	
4	166	1.25	
5	106	1.56	

Optic Spot 3000K

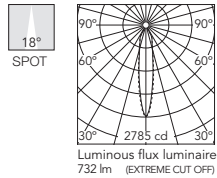
E	I	Non Dimmable
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■	□	03.6034.14
■	■	03.6034.18
Mains Dimming		
□	□	03.5934.B1
■	□	03.5934.14
■	■	03.5934.18
Dali/Push Version		
□	□	03.6034.B1.DA
■	□	03.6034.14.DA
■	■	03.6034.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2762	0.31	
2	691	0.62	
3	307	0.94	
4	173	1.25	
5	110	1.56	

Non Dimmable

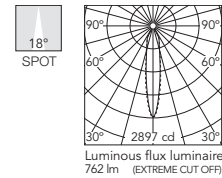
□	■	03.6031.B1
■	■	03.6031.14
■	■	03.6031.18
Mains Dimming		
□	■	03.5931.B1
■	■	03.5931.14
■	■	03.5931.18
Dali/Push Version		
□	■	03.6031.B1.DA
■	■	03.6031.14.DA
■	■	03.6031.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2785	0.31	
2	696	0.63	
3	309	0.94	
4	174	1.26	
5	111	1.57	

Non Dimmable

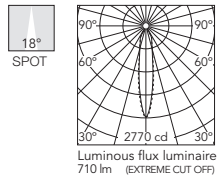
□	■	03.6035.B1
■	■	03.6035.14
■	■	03.6035.18
Mains Dimming		
□	■	03.5935.B1
■	■	03.5935.14
■	■	03.5935.18
Dali/Push Version		
□	■	03.6035.B1.DA
■	■	03.6035.14.DA
■	■	03.6035.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2897	0.31	
2	724	0.63	
3	322	0.94	
4	181	1.26	
5	116	1.57	

Non Dimmable

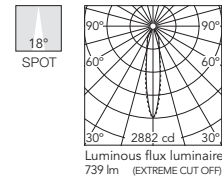
□	■	03.6032.B1
■	■	03.6032.14
■	■	03.6032.18
Mains Dimming		
□	■	03.5932.B1
■	■	03.5932.14
■	■	03.5932.18
Dali/Push Version		
□	■	03.6032.B1.DA
■	■	03.6032.14.DA
■	■	03.6032.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2770	0.31	
2	693	0.62	
3	308	0.94	
4	173	1.25	
5	111	1.56	

Non Dimmable

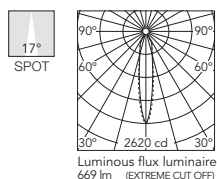
□	■	03.6036.B1
■	■	03.6036.14
■	■	03.6036.18
Mains Dimming		
□	■	03.5936.B1
■	■	03.5936.14
■	■	03.5936.18
Dali/Push Version		
□	■	03.6036.B1.DA
■	■	03.6036.14.DA
■	■	03.6036.18.DA



Beam Angle: 18°	h(m)	E(lx)	D(m)
1	2882	0.31	
2	720	0.62	
3	320	0.94	
4	180	1.25	
5	115	1.56	

Non Dimmable

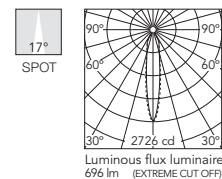
□	■	03.6033.B1
■	■	03.6033.14
■	■	03.6033.18
Mains Dimming		
□	■	03.5933.B1
■	■	03.5933.14
■	■	03.5933.18
Dali/Push Version		
□	■	03.6033.B1.DA
■	■	03.6033.14.DA
■	■	03.6033.18.DA



Beam Angle: 17°	h(m)	E(lx)	D(m)
1	2620	0.30	
2	655	0.60	
3	291	0.90	
4	164	1.20	
5	105	1.50	

Non Dimmable

□	■	03.6037.B1
■	■	03.6037.14
■	■	03.6037.18
Mains Dimming		
□	■	03.5937.B1
■	■	03.5937.14
■	■	03.5937.18
Dali/Push Version		
□	■	03.6037.B1.DA
■	■	03.6037.14.DA
■	■	03.6037.18.DA

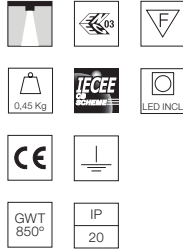
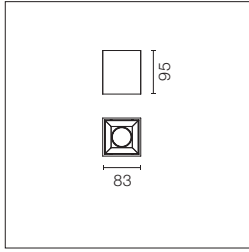


Beam Angle: 17°	h(m)	E(lx)	D(m)
1	2726	0.30	
2	681	0.60	
3	303	0.90	
4	170	1.20	
5	109	1.50	

KAP SURFACE

Kap 80 Surface Ceiling Square - Optic Medium / Optic Flood

Light Source: LED Array 9,2W - 935 lm - 2700K/CRI 90 / 9,2W - 974 lm - 3000K/CRI 90



Luminaire for mounting on the ceiling with LED light source. Power source incorporated into luminaire body. Non dimmable 110/240V - Main&Dali/ Push dimmable 220/240V.

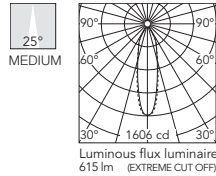
E= External Finish
I= Internal Finish

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación integrada en el cuerpo de la luminaria. Non dimmable 110/240V - Main&Dali/ Push dimmable 220/240V.

E= Acabado Externo
I= Acabado Interno

Optic Medium 2700K

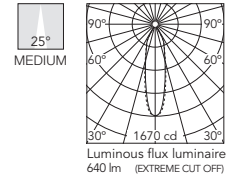
- | | | |
|--------------------|---|---------------|
| E | I | Non Dimmable |
| ■ | ■ | 03.6010.B1 |
| ■ | ■ | 03.6010.14 |
| ■ | ■ | 03.6010.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5910.B1 |
| ■ | ■ | 03.5910.14 |
| ■ | ■ | 03.5910.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6010.B1.DA |
| ■ | ■ | 03.6010.14.DA |
| ■ | ■ | 03.6010.18.DA |



h(m)	E(lx)	D(m)
1	1606	0.45
2	401	0.90
3	178	1.34
4	100	1.79
5	64	2.24

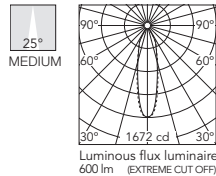
Optic Medium 3000K

- | | | |
|--------------------|---|---------------|
| E | I | Non Dimmable |
| ■ | ■ | 03.6014.B1 |
| ■ | ■ | 03.6014.14 |
| ■ | ■ | 03.6014.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5914.B1 |
| ■ | ■ | 03.5914.14 |
| ■ | ■ | 03.5914.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6014.B1.DA |
| ■ | ■ | 03.6014.14.DA |
| ■ | ■ | 03.6014.18.DA |



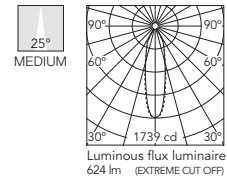
h(m)	E(lx)	D(m)
1	1670	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6011.B1 |
| ■ | ■ | 03.6011.14 |
| ■ | ■ | 03.6011.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5911.B1 |
| ■ | ■ | 03.5911.14 |
| ■ | ■ | 03.5911.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6011.B1.DA |
| ■ | ■ | 03.6011.14.DA |
| ■ | ■ | 03.6011.18.DA |



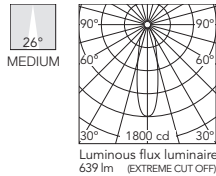
h(m)	E(lx)	D(m)
1	1672	0.45
2	418	0.90
3	186	1.34
4	104	1.79
5	67	2.24

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6015.B1 |
| ■ | ■ | 03.6015.14 |
| ■ | ■ | 03.6015.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5915.B1 |
| ■ | ■ | 03.5915.14 |
| ■ | ■ | 03.5915.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6015.B1.DA |
| ■ | ■ | 03.6015.14.DA |
| ■ | ■ | 03.6015.18.DA |



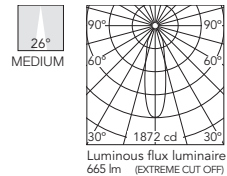
h(m)	E(lx)	D(m)
1	1739	0.45
2	435	0.90
3	193	1.34
4	109	1.79
5	70	2.24

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6012.B1 |
| ■ | ■ | 03.6012.14 |
| ■ | ■ | 03.6012.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5912.B1 |
| ■ | ■ | 03.5912.14 |
| ■ | ■ | 03.5912.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6012.B1.DA |
| ■ | ■ | 03.6012.14.DA |
| ■ | ■ | 03.6012.18.DA |



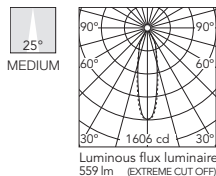
h(m)	E(lx)	D(m)
1	1800	0.46
2	450	0.93
3	200	1.39
4	112	1.86
5	72	2.32

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6016.B1 |
| ■ | ■ | 03.6016.14 |
| ■ | ■ | 03.6016.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5916.B1 |
| ■ | ■ | 03.5916.14 |
| ■ | ■ | 03.5916.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6016.B1.DA |
| ■ | ■ | 03.6016.14.DA |
| ■ | ■ | 03.6016.18.DA |



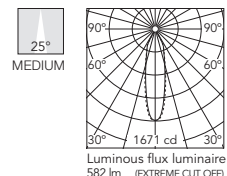
h(m)	E(lx)	D(m)
1	1872	0.46
2	468	0.93
3	208	1.39
4	117	1.86
5	75	2.32

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6013.B1 |
| ■ | ■ | 03.6013.14 |
| ■ | ■ | 03.6013.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5913.B1 |
| ■ | ■ | 03.5913.14 |
| ■ | ■ | 03.5913.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6013.B1.DA |
| ■ | ■ | 03.6013.14.DA |
| ■ | ■ | 03.6013.18.DA |



h(m)	E(lx)	D(m)
1	1606	0.44
2	402	0.88
3	178	1.32
4	100	1.76
5	64	2.20

- | | | |
|--------------------|---|---------------|
| Non Dimmable | | |
| ■ | ■ | 03.6017.B1 |
| ■ | ■ | 03.6017.14 |
| ■ | ■ | 03.6017.18 |
| Mains Dimming | | |
| ■ | ■ | 03.5917.B1 |
| ■ | ■ | 03.5917.14 |
| ■ | ■ | 03.5917.18 |
| Dali/ Push Version | | |
| ■ | ■ | 03.6017.B1.DA |
| ■ | ■ | 03.6017.14.DA |
| ■ | ■ | 03.6017.18.DA |

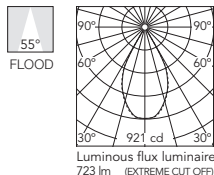


h(m)	E(lx)	D(m)
1	1671	0.44
2	418	0.88
3	186	1.32
4	104	1.76
5	67	2.20

K AP SURFACE

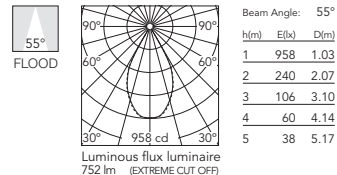
Optic Flood 2700K

Non Dimmable
 03.6050.B1
 03.6050.14
 03.6050.18
 Mains Dimming
 03.5950.B1
 03.5950.14
 03.5950.18
 Dali/ Push Version
 03.6050.B1.DA
 03.6050.14.DA
 03.6050.18.DA

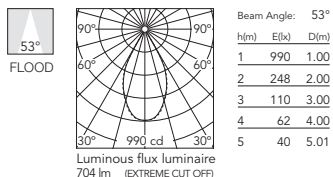


Optic Flood 3000K

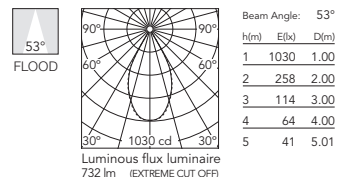
Non Dimmable
 03.6054.B1
 03.6054.14
 03.6054.18
 Mains Dimming
 03.5954.B1
 03.5954.14
 03.5954.18
 Dali/ Push Version
 03.6054.B1.DA
 03.6054.14.DA
 03.6054.18.DA



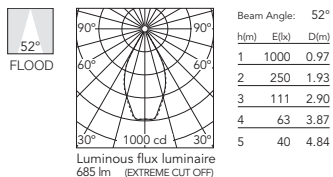
Non Dimmable
 03.6051.B1
 03.6051.14
 03.6051.18
 Mains Dimming
 03.5951.B1
 03.5951.14
 03.5951.18
 Dali/ Push Version
 03.6051.B1.DA
 03.6051.14.DA
 03.6051.18.DA



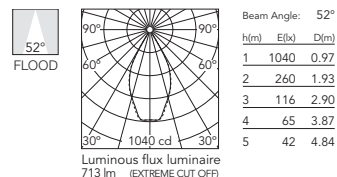
Non Dimmable
 03.6055.B1
 03.6055.14
 03.6055.18
 Mains Dimming
 03.5955.B1
 03.5955.14
 03.5955.18
 Dali/ Push Version
 03.6055.B1.DA
 03.6055.14.DA
 03.6055.18.DA



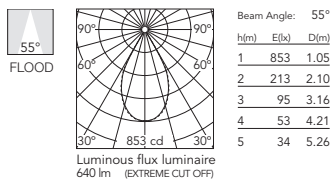
Non Dimmable
 03.6052.B1
 03.6052.14
 03.6052.18
 Mains Dimming
 03.5952.B1
 03.5952.14
 03.5952.18
 Dali/ Push Version
 03.6052.B1.DA
 03.6052.14.DA
 03.6052.18.DA



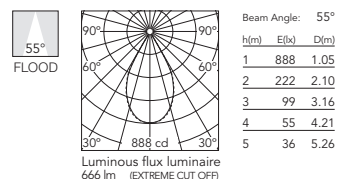
Non Dimmable
 03.6056.B1
 03.6056.14
 03.6056.18
 Mains Dimming
 03.5956.B1
 03.5956.14
 03.5956.18
 Dali/ Push Version
 03.6056.B1.DA
 03.6056.14.DA
 03.6056.18.DA



Non Dimmable
 03.6053.B1
 03.6053.14
 03.6053.18
 Mains Dimming
 03.5953.B1
 03.5953.14
 03.5953.18
 Dali/ Push Version
 03.6053.B1.DA
 03.6053.14.DA
 03.6053.18.DA



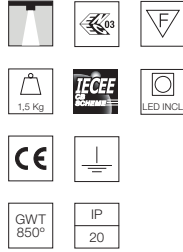
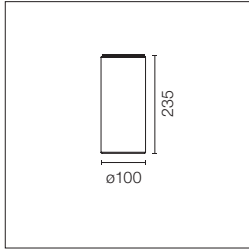
Non Dimmable
 03.6057.B1
 03.6057.14
 03.6057.18
 Mains Dimming
 03.5957.B1
 03.5957.14
 03.5957.18
 Dali/ Push Version
 03.6057.B1.DA
 03.6057.14.DA
 03.6057.18.DA



KAP SURFACE

Kap Surface Ceiling

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80



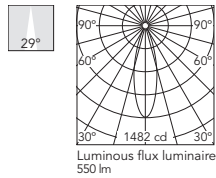
Luminaire for mounting on the ceiling with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

Luminaria para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= External Finish
I= Internal Finish

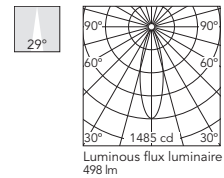
E= Acabado Externo
I= Acabado Interno

E	I	Code
White	White	03.4520.11B
White	Black	03.4520.ASB
White	Blue	03.4520.ANB
Black	Black	03.4520.B3B



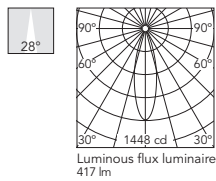
h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

E	I	Code
White	White	03.4521.11B
White	Black	03.4521.ASB
White	Blue	03.4521.ANB
Black	Black	03.4521.B3B



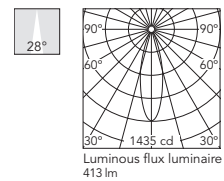
h(m)	E(lx)	D(m)
1	1485	0.52
2	371	1.05
3	165	1.57
4	93	2.09
5	59	2.62

E	I	Code
White	White	03.4522.11B
White	Black	03.4522.ASB
White	Blue	03.4522.ANB
Black	Black	03.4522.B3B



h(m)	E(lx)	D(m)
1	1448	0.51
2	362	1.02
3	161	1.52
4	91	2.03
5	58	2.54

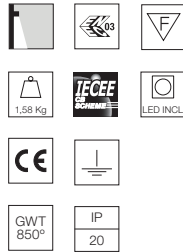
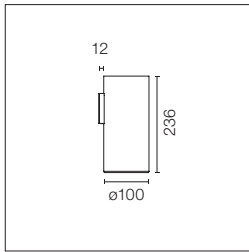
E	I	Code
White	White	03.4523.11B
White	Black	03.4523.ASB
White	Blue	03.4523.ANB
Black	Black	03.4523.B3B



h(m)	E(lx)	D(m)
1	1435	0.51
2	359	1.02
3	159	1.52
4	90	2.03
5	57	2.54

Kap Surface Wall

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80



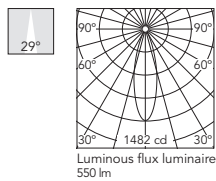
Luminaire for wall mounting with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

Luminaria para ser instalada a pared con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

E= External Finish
I= Internal Finish

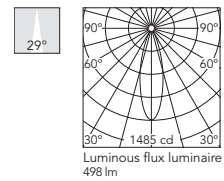
E= Acabado Externo
I= Acabado Interno

E	I	Code
White	White	03.5730.11B
White	Black	03.5730.ASB
White	Blue	03.5730.ANB
Black	Black	03.5730.B3B



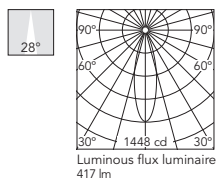
h(m)	E(lx)	D(m)
1	1482	0.52
2	371	1.04
3	165	1.56
4	93	2.08
5	59	2.61

E	I	Code
White	White	03.5731.11B
White	Black	03.5731.ASB
White	Blue	03.5731.ANB
Black	Black	03.5731.B3B



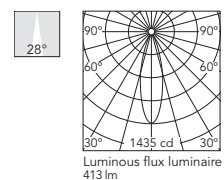
h(m)	E(lx)	D(m)
1	1485	0.52
2	371	1.05
3	165	1.57
4	93	2.09
5	59	2.62

E	I	Code
White	White	03.5732.11B
White	Black	03.5732.ASB
White	Blue	03.5732.ANB
Black	Black	03.5732.B3B



h(m)	E(lx)	D(m)
1	1448	0.51
2	362	1.02
3	161	1.52
4	91	2.03
5	58	2.54

E	I	Code
White	White	03.5733.11B
White	Black	03.5733.ASB
White	Blue	03.5733.ANB
Black	Black	03.5733.B3B

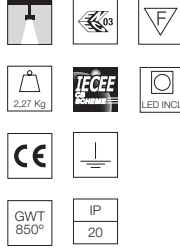
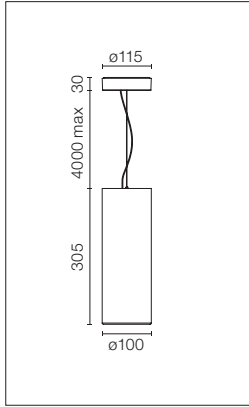


h(m)	E(lx)	D(m)
1	1435	0.51
2	359	1.02
3	159	1.52
4	90	2.03
5	57	2.54

KAP SURFACE / SUSPENSION

Kap Suspension

Light Source: Power LED 9W - 1000 lm - 3000K/CRI 80



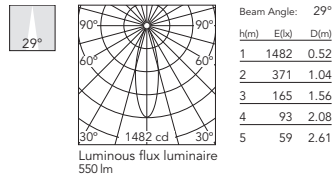
Suspended ceiling-mounted luminaire with LED light source. Non-adjustable 110/240V - 50/60Hz power supply integrated into luminaire body.

Luminaria suspendida para ser instalada a techo con fuente de luz LED. Fuente de alimentación 110/240V - 50/60Hz no regulable integrada en el cuerpo de la luminaria.

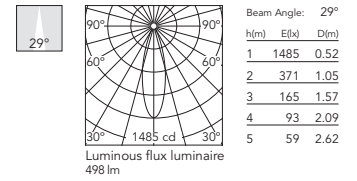
E= External Finish
I= Internal Finish

E= Acabado Externo
I= Acabado Interno

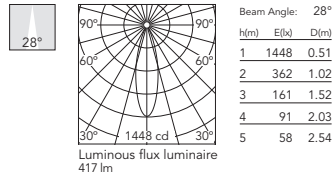
E	I	Code
White	White	03.5810.11B
White	Black	03.5810.ASB
White	Grey	03.5810.ANB
Black	Black	03.5810.B3B



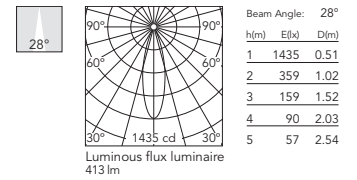
E	I	Code
White	White	03.5811.11B
White	Black	03.5811.ASB
White	Grey	03.5811.ANB
Black	Black	03.5811.B3B



E	I	Code
White	Blue	03.5812.11B
White	Black	03.5812.ASB
White	Grey	03.5812.ANB
Black	Black	03.5812.B3B



E	I	Code
White	Black	03.5813.11B
White	Black	03.5813.ASB
White	Grey	03.5813.ANB
Black	Black	03.5813.B3B



COMPASS BOX

DESIGNED BY FLOS ARCHITECTURAL

SMALL
1L / 2L / 4L /
4L SQUARE



LIGHT SOURCE
LED ARRAY
6,2W
860 lm
3000K/CRI 80

SMALL
1L / 2L / 4L



LIGHT SOURCE
QR-CBC 51
GX5.3
max 35W

LARGE H:135
1L / 2L / 4L /
4L SQUARE



LIGHT SOURCE
QR-111
G53
max 75W



LED Retrofit Compatible*

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

□ 30 Matt White
30 Blanco Mate/RAL 9001



■ 14 Matt Black
14 Negro Mate/RAL 9005



▒ 29 Anodized Aluminium
29 Aluminio Anodizado



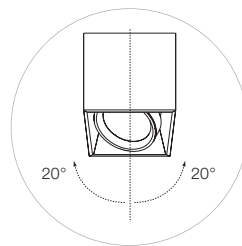
■ WG Wenge
WG Wenge



■ TK Teak
TK Teca



Can be swivelled 20°.
Puede ser orientado 20°.



COMPASS BOX

Description

Wall or ceiling luminaires with 1, 2 or 4 adjustable lights. Prepared for low-voltage halogen light sources and LED. Pressed steel, black-painted optical body and extruded-aluminum outer structure with fixing system. Electrical connection and control devices incorporated in the luminaire.

Power Supply

LED:

- Built-in, non-regulable constant current power supply of 220/240V, 50/60Hz. 350 mA current.

Halogen:

- Electronic transformer of 20/105W – 220/240V - 50/60Hz with intensity regulation through "leading and trailing edge" device.

Accessories

- Screening cylinder and black thermoplastic rotating pin.
- Honeycomb.

Additional Information

Two heights.

0-20° adjustment in all directions.

IP20 protection grade.

Insulation class I, II depending on the versions.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Sistema de iluminación de uno, dos y cuatro focos orientables para ser instalados a pared o a techo. Preparado para fuentes de iluminación halógenas a baja tensión y LED.

Cuerpo óptico en acero estampado pintado con pintura negra y estructura exterior realizada en extrusión de aluminio con sistema de fijación a techo.

Conexión eléctrica y equipos de control incorporados en la luminaria.

Unidades de Alimentación

LED:

- Fuente de alimentación de corriente constante 220/240V, 50/60Hz no regulable integrada. Alimentación a 350 mA.

Halógenas:

- Transformador electrónico de 20/105W - 220/240V

- 50/60Hz con regulación de intensidad mediante dispositivo "trailing edge".

Accesorios

- Cilindro de apantallamiento con cruceta rotacional.

- Honeycomb.

Información Adicional

Disponible en dos alturas.

Sistema de orientación que permite la orientación a 40° en todas las direcciones.

Índice de protección IP20.

Clase de aislamiento I,II, según las versiones.

Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

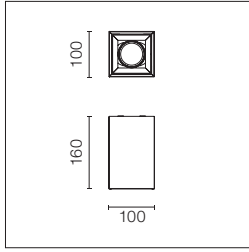
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



COMPASS BOX

Compass Box Small 1L

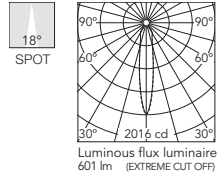
Light Source: LED Array 6,2W - 860 lm - 3000K/CRI 80



Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

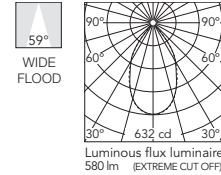
- 03.2630.30A
- 03.2630.29A
- 03.2630.14A
- 03.2630.WGA
- 03.2630.TKA



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

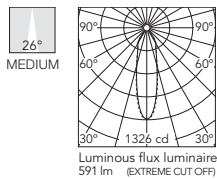
- 03.2632.30A
- 03.2632.29A
- 03.2632.14A
- 03.2632.WGA
- 03.2632.TKA



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2631.30A
- 03.2631.29A
- 03.2631.14A
- 03.2631.WGA
- 03.2631.TKA

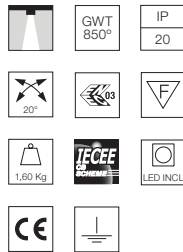
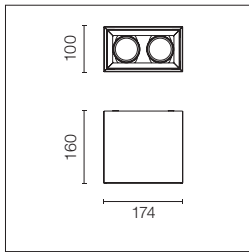


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 2L

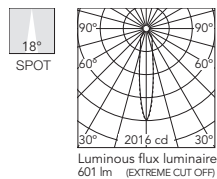
Light Source: LED Array 2x6,2W - 2x860 lm - 3000K/CRI 80



Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

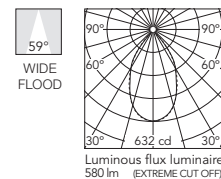
- 03.2635.30A
- 03.2635.29A
- 03.2635.14A
- 03.2635.WGA
- 03.2635.TKA



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

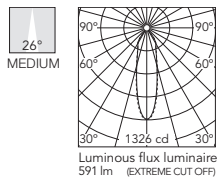
- 03.2637.30A
- 03.2637.29A
- 03.2637.14A
- 03.2637.WGA
- 03.2637.TKA



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2636.30A
- 03.2636.29A
- 03.2636.14A
- 03.2636.WGA
- 03.2636.TKA



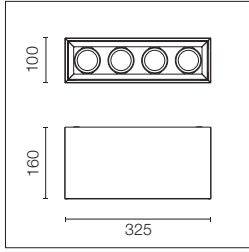
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

COMPASS BOX

Compass Box Small 4L

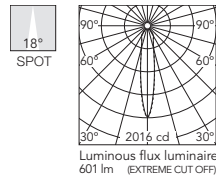
Light Source: LED Array 4x6,2W - 4x860 lm - 3000K/CRI 80



Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

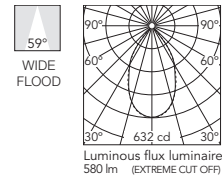
- 03.2640.30A
- 03.2640.29A
- 03.2640.14A
- 03.2640.WGA
- 03.2640.TKA



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

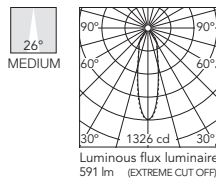
- 03.2642.30A
- 03.2642.29A
- 03.2642.14A
- 03.2642.WGA
- 03.2642.TKA



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2641.30A
- 03.2641.29A
- 03.2641.14A
- 03.2641.WGA
- 03.2641.TKA

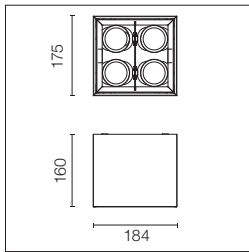


Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

Compass Box Small 4L Square

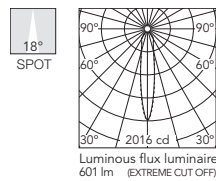
Light Source: LED Array 4x6,2W - 4x860 lm - 3000K/CRI 80



Surface spotlight to be installed on ceiling/wall with LED light source. Non-regulable 220-240V, 50-60Hz power supply integrated in luminaire body.

Proyector de superficie para ser instalado a techo/pared con fuente de luz LED. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada en el cuerpo de la luminaria.

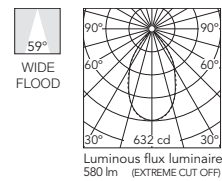
- 03.2645.30A
- 03.2645.29A
- 03.2645.14A
- 03.2645.WGA
- 03.2645.TKA



Beam Angle: 18°

h(m)	E(lx)	D(m)
1	2016	0.31
2	504	0.62
3	224	0.93
4	126	1.23
5	81	1.54

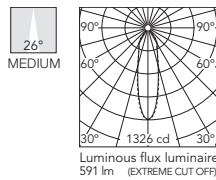
- 03.2647.30A
- 03.2647.29A
- 03.2647.14A
- 03.2647.WGA
- 03.2647.TKA



Beam Angle: 59°

h(m)	E(lx)	D(m)
1	632	1.14
2	158	2.28
3	70	3.42
4	39	4.56
5	25	5.70

- 03.2646.30A
- 03.2646.29A
- 03.2646.14A
- 03.2646.WGA
- 03.2646.TKA



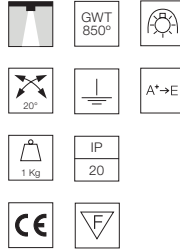
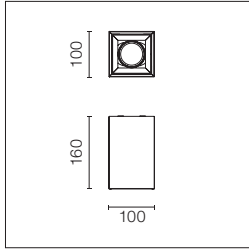
Beam Angle: 26°

h(m)	E(lx)	D(m)
1	1326	0.47
2	332	0.93
3	147	1.40
4	83	1.87
5	53	2.34

COMPASS BOX

Compass Box Small 1L

Light Source: QR-CBC 51 GX5.3 - max 1x35W



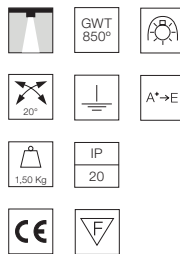
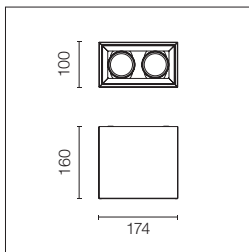
Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "leading and trailing edge" en lámparas halógenas.

- 03.2600.30
- 03.2600.29
- 03.2600.14
- 03.2600.WG
- 03.2600.TK

Compass Box Small 2L

Light Source: QR-CBC 51 GX5.3 - max 2x35W



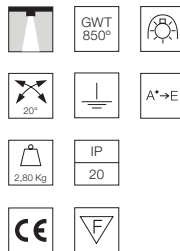
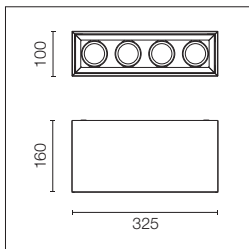
Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

- 03.2601.30
- 03.2601.29
- 03.2601.14
- 03.2601.WG
- 03.2601.TK

Compass Box Small 4L

Light Source: QR-CBC 51 GX5.3 - max 4x35W



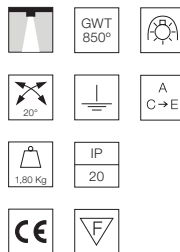
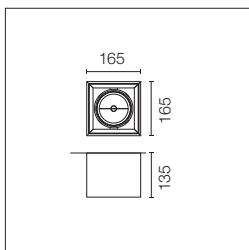
Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

- 03.2603.30
- 03.2603.29
- 03.2603.14
- 03.2603.WG
- 03.2603.TK

Compass Box Large 1L H:135

Light Source: QR-111 G53 - max 75W (LED Retrofit Compatible*)



Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

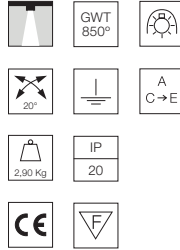
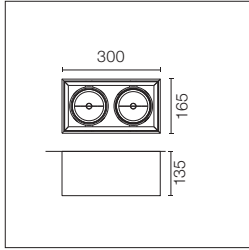
- 03.1060.30
- 03.1060.29
- 03.1060.14
- 03.1060.WG
- 03.1060.TK

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

COMPASS BOX

Compass Box Large 2L H:135

Light Source: QR-111 G53 - max 2x75W (LED Retrofit Compatible*)



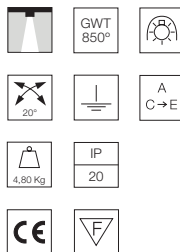
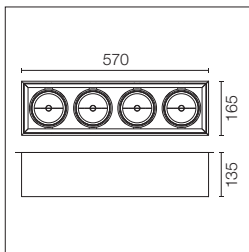
Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

- 03.1061.30
- 03.1061.29
- 03.1061.14
- 03.1061.WG
- 03.1061.TK

Compass Box Large 4L H:135

Light Source: QR-111 G53 - max 4x75W (LED Retrofit Compatible*)



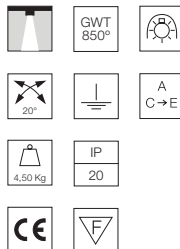
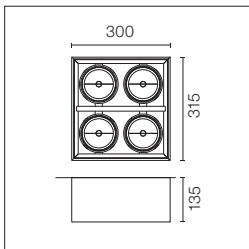
Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

- 03.1063.30
- 03.1063.29
- 03.1063.14
- 03.1063.WG
- 03.1063.TK

Compass Box Large 4L H:135 Square

Light Source: QR-111 G53 - max 4x75W (LED Retrofit Compatible*)



Surface spotlight to be installed on ceiling/wall. Electronic transformer integrated 220/240V – 12V, 50/60Hz. The intensity of the lighting may be adjusted via leading and trail edge modulation in halogen lamps.

Proyector de superficie para ser instalado a techo/pared. Transformador electrónico integrado 220/240V – 12V, 50/60Hz. La intensidad luminosa puede ser ajustada mediante regulación "trailing edge" en lámparas halógenas.

- 03.1064.30
- 03.1064.29
- 03.1064.14
- 03.1064.WG
- 03.1064.TK

Accessories / Accesorios

Compass Box Small: QR-CBC 51

Screening crosspiece
Cruceta de apantallamiento



08.8238.14

Honeycomb
Honeycomb



08.8196.14

Compass Box Large: QR-111

Screening crosspiece
Cruceta de apantallamiento



08.8034.14

Honeycomb
Honeycomb



08.8036.14

* Please get in touch with us for compatible LED Retrofit bulb list / Por favor póngase en contacto con nosotros para obtener una lista de bombillas LED Retrofit compatibles.

SUPER LINE&PRO

DESIGNED BY FLOS ARCHITECTURAL

**SUPER LINE
UP&DOWN
INDIRECT**



LIGHT SOURCE
TOP LED
58W
4488 lm UP
2160 lm DOWN
3000K/CRI 90

4794 lm UP
2280 lm DOWN
4000K/CRI 90

**SUPER LINE
UP&DOWN
DIRECT**



LIGHT SOURCE
TOP LED
58W
2268 lm UP
4488 lm DOWN
3000K/CRI 90

2376 lm UP
4794 lm DOWN
4000K/CRI 90

**SUPER LINE
DOWN**



LIGHT SOURCE
TOP LED
38,6W
4488 lm
3000K/CRI 90
4794 lm
4000K/CRI 90

**SUPER LINE PRO
UP&DOWN**



LIGHT SOURCE
TOP LED
60W
UP TO 4075 lm UP
UP TO 4605 lm DOWN
3000K/CRI 90

UP TO 4337 lm UP
UP TO 4900 lm DOWN
4000K/CRI 90

**SUPER LINE PRO
DOWN**



LIGHT SOURCE
TOP LED
40W
UP TO 5072 lm
3000K/CRI 90
UP TO 4765 lm
4000K/CRI 90

□ 40 White
40 Blanco

■ 02 Grey
02 Gris

■ 14 Black
14 Negro

Super Line



Super Line Pro



Super Line



Super Line Pro



Description

Collection of suspended luminaries for general lighting with a signature minimalist shape, designed to offer high-performance lighting, light quality and visual comfort combined in a very compact size.

The Super Line Pro version was designed to meet all requirements to reduce glare and improve visual comfort in offices, complying with the most restrictive conditions. A UGR less than 14 and a maximum intensity value less than 3000 cd/m² at an angle of 65° according to the standard, guarantee the best conditions for workplaces and make it perfect for many other applications. (Refer to the UGR chart in the accessories section).

The main body of the lights is made from extruded aluminium. Super Line is equipped with a multilayer diffusion filter which, thanks to its combination of elliptical and prism-shaped filters, ensures that the light is perfectly distributed and improves the overall visual effect, as well as providing comfort with its anti-glare properties.

Super Line Up&Down is available in two different versions:

- Indirect: a version which is better for emitting light indirectly upwards, with a greater intensity of indirect luminosity that homogenizes the lighting area, designed to provide UGR<19 and the perfect lighting conditions for offices.

- Direct: a version which is better for direct lighting and maximises efficiency, but at the same time prevents any "cave effect" with its indirect intensity, guaranteeing a high level of comfort.

Super Line Pro Up&Down comes in only one version that can be adjusted using the corresponding driver to offer a higher flux in the upper or lower part.

To minimise the visual impact of the collection, the suspension cables are also the wires, which eliminates the need for a power supply cable. Suspension length: 4.25 meters.

Installation Information

The Super Line is constructed combining the selected light source module with one of the three existing installation kits:

- Surface Kit: includes surface mounted box including the power supply driver.
- Integrated Kit: includes flush-recessed installation box, including power supply driver.
- Remote Power Supply Kit: includes an accessory as pass-through cable protection as well as a power supply driver for a remote accessible installation.

All installation kits are available either in DALI version or in a non dimmable version.

Super Line Pro uses the same power kits. For the Up&Down version, the power sources have two outputs to the light fitting, each with an amount of current (mA). By connecting each of these outputs to an input of the light fitting (Up or Down), a higher or lower flux can be chosen for each part.

The non dimmable versions are equipped with a multi-current driver that can be set during the installation in order to achieve the required illumination conditions. The Super Line installation kits come from factory at 100% of their nominal power.

All luminaries host a high-precision circular level, simplifying the installation of the luminaire, controlling calibration in both axes.

Additional Information

Insulation class I.

IP20 protection grade.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Colección de luminarias suspendidas para una iluminación general con una distintiva forma minimalista y diseñadas para ofrecer una iluminación de calidad y alto rendimiento, así como un confort visual, combinados en un tamaño realmente compacto.

La versión Super Line Pro ha sido diseñada para cumplir todos los requisitos contra deslumbramiento y confort visual en oficinas, que son las condiciones más restrictivas. Ofreciendo un UGR menor de 14 y un valor de intensidad máxima en un ángulo de 65° acorde a la norma menor de 3000 cd/m², lo que garantiza las mejores condiciones en espacios de trabajo y la hace perfecta para muchas otras aplicaciones. (Ver tablas UGR en el apartado de Accesorios).

El cuerpo principal de las luminarias está fabricado en aluminio extruido. Super Line está equipado con un filtro difusor técnico multicapa que, gracias a su combinación de filtros prismáticos y elípticos, asegura una distribución perfecta de la luz y mejora el efecto óptico y el confort visual mediante sus propiedades antideslumbramiento.

Super Line Up&Down está disponible en dos versiones:

- Indirect: versión que privilegia la emisión indirecta hacia arriba, con una intensidad luminosa indirecta más importante que homogeneiza el entorno de iluminación, diseñada para ofrecer un UGR<19 y la condición luminosa ideal requerida en espacios de trabajo.

- Direct: versión que privilegia la iluminación directa y maximiza la eficiencia, pero al mismo tiempo previene el "efecto cueva" con su intensidad indirecta garantizando un alto nivel de confort.

Super Line Pro Up&Down solo tiene una versión que se puede ajustar mediante el driver correspondiente para ofrecer mayor cantidad de flujo en su parte superior o inferior.

Para minimizar el impacto visual de la colección los propios cables de suspensión son los conductores, por lo que se elimina la manguera de alimentación. La longitud de suspensión es de 4,25 m.

Información de Instalación

Super Line se ha creado combinando el módulo de fuente de luz seleccionado con uno de los tres kits de instalación existentes:

- Surface Kit: incluye caja para ser instalada en superficie que incluye la fuente de alimentación.
- Integrated Kit: incluye caja de instalación a ras o encastrada que incluye la fuente de alimentación.
- Remote Power Supply Kit: incluye accesorio pasamuro para proteger los cables. Incluye fuente de alimentación para una instalación accesible a distancia.

Todos los kits de instalación están disponibles en versión DALI o en versión no regulable.

Super Line PRO dispone de los mismos kits de alimentación. Para la versión Up&Down las fuentes de alimentación disponen de dos salidas hacia la luminaria, cada una con una intensidad de corriente (mA).

Conectando estas salidas a cada una a las entradas (Up o Down) de la luminaria se selecciona el flujo mayoritario y minoritario en cada parte. Las versiones no regulables están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación necesarias. Los kits de instalación de Super Line vienen regulados desde nuestra fábrica con el 100% de su potencia nominal.

Todas las luminarias disponen de un nivel circular de alta precisión que simplifica la instalación de la misma y controla la calibración en ambos ejes.

Información Adicional

Clase de aislamiento I.

índice de protección IP20.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

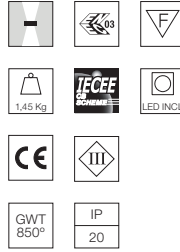
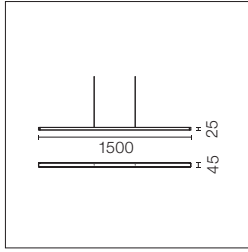
FLOS
CONTROL BY CASAMBI



SUPER LINE & PRO

Super Line Up&Down Indirect

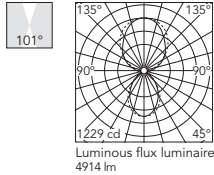
Light Source: Top LED 58W - 4488 lm UP - 2160 lm DOWN - 3000K/CRI 90 / 58W - 4794 lm UP - 2280 lm DOWN - 4000K/CRI 90



LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

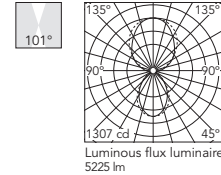
- 3000K**
- 03.9502.40
 - 03.9502.02
 - 03.9502.14



Beam Angle DIR: 101°

h(m)	Ef(x)	D(m)
1	1229	2.39
2	307	4.78
3	137	7.17
4	77	9.57
5	49	11.96

- 4000K**
- 03.9503.40
 - 03.9503.02
 - 03.9503.14

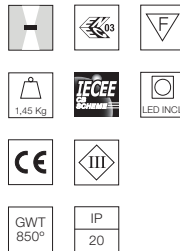
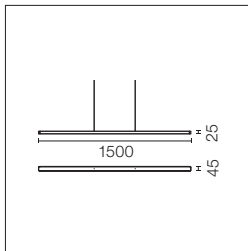


Beam Angle DIR: 101°

h(m)	Ef(x)	D(m)
1	1307	2.39
2	327	4.78
3	145	7.17
4	82	9.57
5	52	11.96

Super Line Up&Down Direct

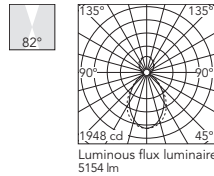
Light Source: Top LED 58W - 2268 lm UP - 4488 lm DOWN - 3000K/CRI 90 / 58W - 2376 lm UP - 4794 lm DOWN - 4000K/CRI 90



LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

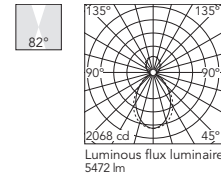
- 3000K**
- 03.9500.40
 - 03.9500.02
 - 03.9500.14



Beam Angle DIR: 82°

h(m)	Ef(x)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

- 4000K**
- 03.9501.40
 - 03.9501.02
 - 03.9501.14

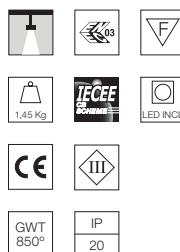
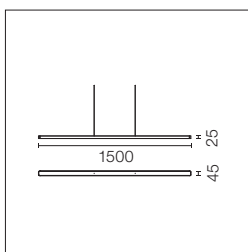


Beam Angle DIR: 82°

h(m)	Ef(x)	D(m)
1	2068	1.57
2	517	3.13
3	230	4.70
4	129	6.27
5	83	7.84

Super Line Down

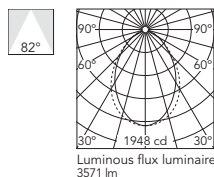
Light Source: Top LED 38,5W - 4488 lm - 3000K/CRI 90 / 38,5W- 4794 lm - 4000K/CRI 90



LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado.

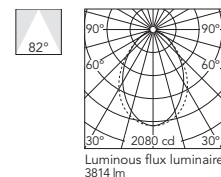
- 3000K**
- 03.9510.40
 - 03.9510.02
 - 03.9510.14



Beam Angle: 82°

h(m)	Ef(x)	D(m)
1	1948	1.57
2	487	3.13
3	216	4.70
4	122	6.27
5	78	7.84

- 4000K**
- 03.9511.40
 - 03.9511.02
 - 03.9511.14



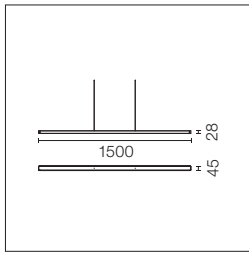
Beam Angle: 82°

h(m)	Ef(x)	D(m)
1	2080	1.57
2	520	3.13
3	231	4.70
4	130	6.27
5	83	7.84

SUPER LINE & PRO

Super Line Pro Up&Down

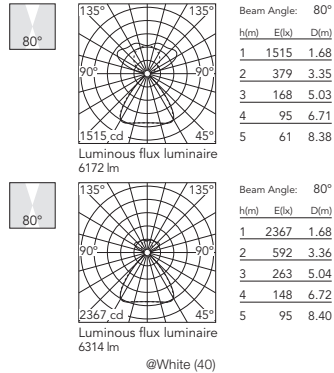
Light Source: Majority UP - Top LED 60W - 4075 lm UP - 2500 lm DOWN - 3000K/CRI 90 / 60W - 4335 lm UP - 2660 lm DOWN - 4000K/CRI 90
Majority DOWN - Top LED 60W - 2590 lm UP - 4605 lm DOWN - 3000K/CRI 90 / 60W - 2755 lm UP - 4900 lm DOWN - 4000K/CRI 90



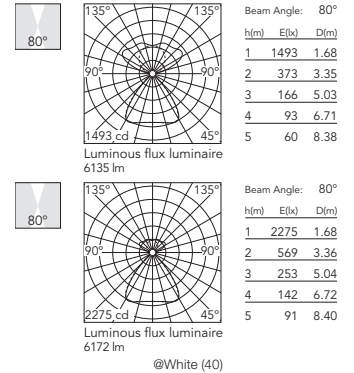
LED luminaire for direct and indirect lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately. Greater Up or Down intensity can be selected using power kits with a device with two independent outputs.

Luminaria LED de iluminación general directa e indirecta con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado. La selección del de mayor intensidad Up o Down, se realiza en los Kits de alimentación que disponen de un equipo con dos salidas independientes.

- 3000K**
- 03.9560.40
 - 03.9560.02
 - 03.9560.14

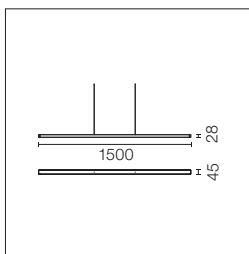


- 4000K**
- 03.9561.40
 - 03.9561.02
 - 03.9561.14



Super Line Pro Down

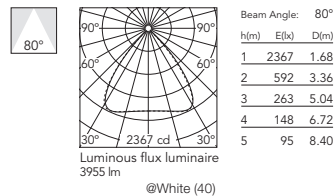
Light Source: Top LED 40W - 4765 lm - 3000K/CRI 90 / 40W- 5070 lm - 4000K/CRI 90



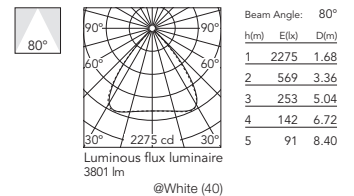
LED luminaire for general lighting with a signature minimalist and compact design, to be installed on ceilings by means of suspension. Power source included in installation kits must be ordered separately, allowing the maximum brightness to be selected.

Luminaria LED de iluminación general con un distintivo diseño minimalista y compacto para ser instalada a techo mediante suspensión. Fuente de alimentación incluida en los distintos kits de instalación, que se han de pedir por separado, pudiendo seleccionar la intensidad máxima.

- 3000K**
- 03.9570.40
 - 03.9570.02
 - 03.9570.14



- 4000K**
- 03.9571.40
 - 03.9571.02
 - 03.9571.14



Accessories / Accesorios

The non-adjustable versions of Super Line and Super Line Pro Down are equipped with a multi-current driver, that can be set during the installation in order to achieve the required illumination conditions and comfort levels. Installation kits come from factory at 100% of their nominal power (1050 mA). At maximum power, all versions of Super Line Pro comply with the requirements UGR<19 and L 65°<3000 cd.

Las versiones no regulables de Super Line y Super Line Pro Down están equipadas con una alimentación de corriente múltiple que puede configurarse durante la instalación para conseguir las condiciones de iluminación y los niveles de confort requeridos. Los kits de instalación vienen de fábrica con el 100% de su potencia nominal (1050 mA). Super Line Pro cumple en todas sus versiones y a máxima potencia con los requisitos de UGR<19 y L 65°<3000 cd.

Super Line

Driver setting	Light emission	Indirect		Direct	
		UGR*	L 65° < 3000 cd	UGR*	L 65° < 3000 cd
1050 mA	100%	UGR < 19			
850 mA	80%	UGR < 19			
700 mA	70%	UGR < 19			
550 mA	55%	UGR < 19	√		
500 mA	50%	UGR < 19	√	UGR < 19	√
350 mA	36%	UGR < 19	√	UGR < 19	√

*X=4H, Y=8H, S=0.25H, reflections 70/50/20

Super Line Pro

Light emission	UGR*	L 65° < 3000 cd
Up & Down Majority Up	UGR < 14	√
Up & Down Majority Down	UGR < 17	√
Down	UGR < 18	√

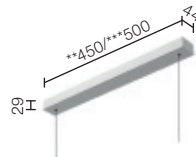
Surface Power Supply Kit

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.

80W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

Incluye fuente de alimentación 80W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



** Super Line / *** Super Line Pro

Super Line/Super Line Pro Down
Non Dimmable

- 08.0520.40
- 08.0520.02
- 08.0520.14
- Dali Version*
- 08.0521.40
- 08.0521.02
- 08.0521.14

Super Line Pro Up&Down
Non Dimmable/Dali Version

- 08.0640.40
- 08.0640.02
- 08.0640.14

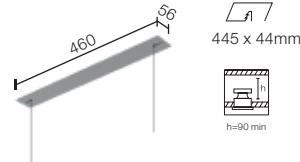
Recessed Power Supply Kit

60W – 220/240V power supply included. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye fuente de alimentación 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.

80W – 220/240V power supply included. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

Incluye fuente de alimentación 80W - 220/240V. Los Kits para Super Line Pro Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.



Super Line/Super Line Pro Down
Non Dimmable

- 08.0522.40
- 08.0522.02
- 08.0522.14
- Dali Version*
- 08.0523.40
- 08.0523.02
- 08.0523.14

Super Line Pro Up&Down
Non Dimmable/Dali Version

- 08.0641.40
- 08.0641.02
- 08.0641.14

* For 1-10V and Push versions, please ask the Front Office/Technical Department / Para versiones 1-10V y Push consultar al Front Office/Departamento técnico.

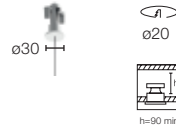
SUPER LINE&PRO

Accessories / Accesorios

Remote Power Supply Kit

Includes two suspension kits and a 60W - 220/240V power supply. Kits for Super Line and Super Line Pro Down are equipped with a dip-switch driver to select the maximum intensities.

Incluye dos kits de suspensión y una fuente de alimentación de 60W - 220/240V. Los Kits para Super Line y Super Line Pro Down, disponen de driver con dip-switch para seleccionar las intensidades máximas.



- Super Line/Super Line Pro Down
Non Dimmable
- 08.0524.40
 - 08.0524.02
 - 08.0524.14
- Dali Version*
- 08.0525.40
 - 08.0525.02
 - 08.0525.14

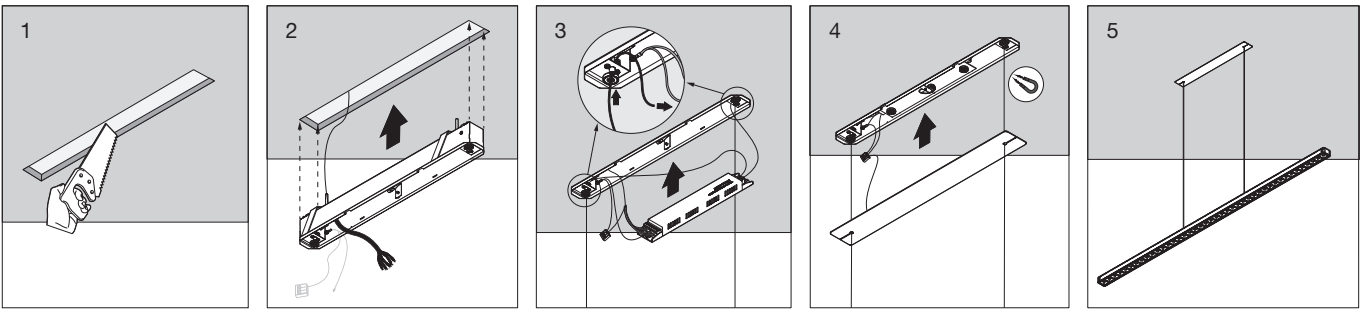
Includes two suspension kits and a 80W - 220/240V power supply. Kits for Super Line Pro Up&Down are equipped with two outputs to select which part (Up or Down) is brighter.

Incluye dos kits de suspensión y una fuente de alimentación de 80W - 220/240V. Los Kits para Super Line PRO Up&Down disponen de dos salidas para seleccionar qué parte (Up o Down) dispone de mayor intensidad.

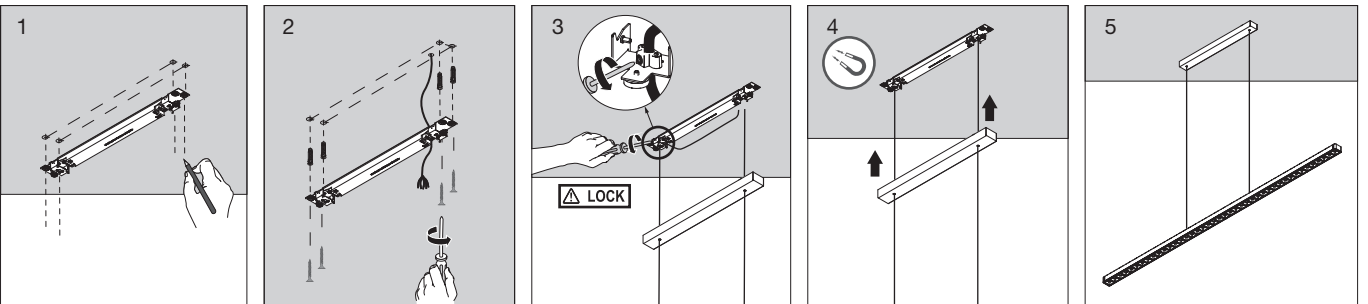
- Super Line Pro Up&Down
Non Dimmable/Dali Version
- 08.0642.40
 - 08.0642.02
 - 08.0642.14

Installation Sequence

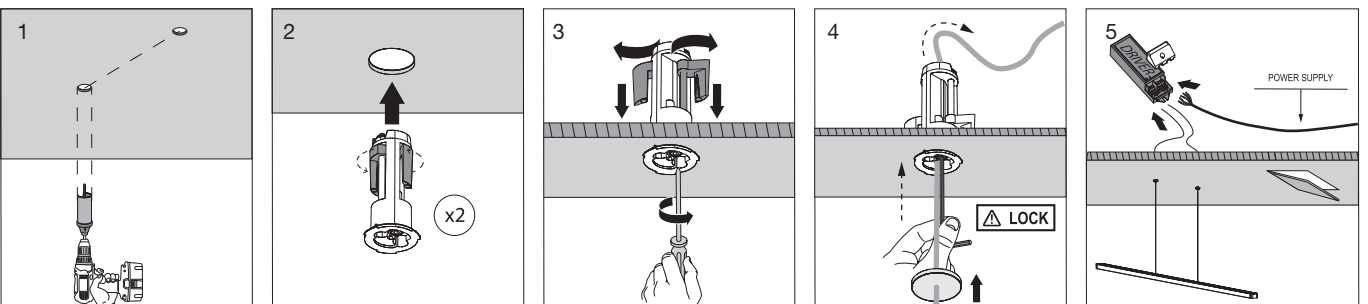
Recessed Power Supply Kit



Surface Power Supply Kit



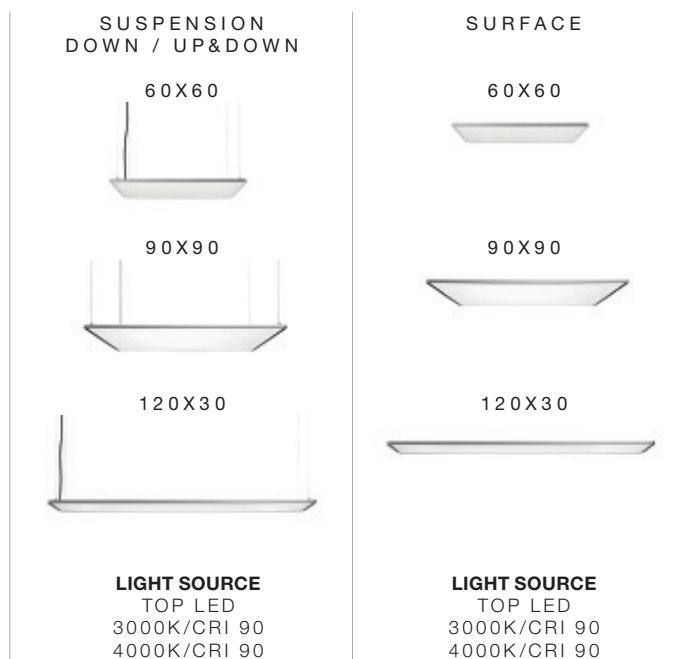
Remote Power Supply Kit



* For 1-10V and Push versions, please ask the Front Office/Technical Department / Para versiones 1-10V y Push consultar al Front Office/Departamento técnico.

SUPER FLAT

DESIGNED BY FLOS ARCHITECTURAL



□ 30 White
30 Blanco

■ 02 Grey
02 Gris

■ 14 Black
14 Negro



Description

Family of general lighting luminaires with direct and indirect light distribution. The Super Flat family has several square and rectangular versions, all of which are made of extruded aluminium and with angle brackets made of injected aluminium.

Super Flat has some especially designed guides, guaranteeing optimal light flow and great visual comfort. Energy losses are minimised with this efficient and innovative lighting system.

The entire Super Flat family has been developed in suspended and surface mounted versions for greater product versatility.

Power Supply

The luminaire is supplied with integrated 220/240 V constant current power supply sources.

Additional Information

- Version 30x30:

Insulation class II, IP20 protection grade.

- Versions 60x60/90x90/120x20/120x30:

Insulation class I, IP20 protection grade.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de luminarias de iluminación general con distribución luminosa directa e indirecta. La familia Super Flat consta de varias versiones en forma cuadrada y rectangular, todas ellas realizadas en aluminio extruido y escuadras realizadas en aluminio de inyección.

Super Flat cuenta con unas guías especialmente diseñadas asegurando un flujo luminoso óptimo y un gran confort visual. La eficacia de este innovador sistema de iluminación permite reducir al mínimo las pérdidas de energía.

Para una mayor versatilidad del producto, toda la familia Super Flat se ha desarrollado en versiones suspendida y de superficie.

Unidades de Alimentación

La luminaria se suministra con las fuentes de alimentación de corriente constante 220/240V incluidas.

Información Adicional

- Versión 30x30:

Clase de aislamiento II, índice de protección IP20.

- Versiones 60x60/90x90/120x20/120x30:

Clase de aislamiento I, índice de protección IP20.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

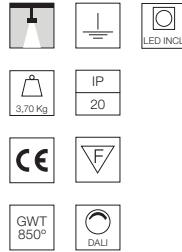
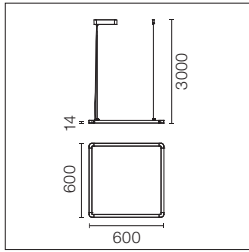


reddot design award
winner 2013

SUPER FLAT

Super Flat Suspension 60x60 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 4821 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W

4000K
Light Source:
Max. 5303 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

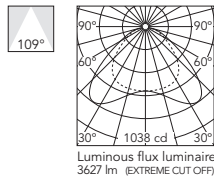
3000K
Light Source:
Max. 4821 lm.
Eficiencia de la luminaria:
Max. 115 lm/W

4000K
Light Source:
Max. 5303 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Total consumption of the system:
40W.

Consumo total del sistema:
40W.

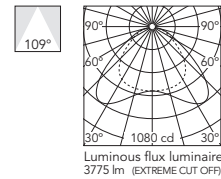
- 3000K**
Non Dimmable
- 09.5010.30B
 - 09.5010.02B
 - 09.5010.14B
- Dali Version
- 09.5010.30BDA
 - 09.5010.02BDA
 - 09.5010.14BDA



Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1038	2.81
2	259	5.63
3	115	8.44
4	65	11.25
5	42	14.06

- 4000K**
Non Dimmable
- 09.5011.30B
 - 09.5011.02B
 - 09.5011.14B
- Dali Version
- 09.5011.30BDA
 - 09.5011.02BDA
 - 09.5011.14BDA

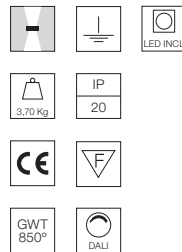
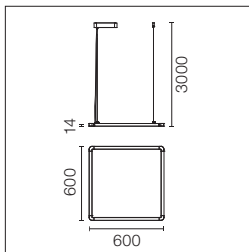


Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1080	2.81
2	270	5.63
3	120	8.44
4	68	11.25
5	43	14.06

Super Flat Suspension 60x60 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Up: Max. 2410 lm.
Down: Max. 2410 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W

4000K
Light Source:
Up: Max. 2651 lm.
Down: Max. 2651 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

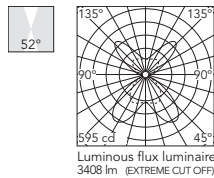
3000K
Light Source:
Up: Max. 2410 lm.
Down: Max. 2410 lm.
Eficiencia de la luminaria:
Max. 115 lm/W

4000K
Light Source:
Up: Max. 2651 lm.
Down: Max. 2651 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Total consumption of the system:
40W.

Consumo total del sistema:
40W.

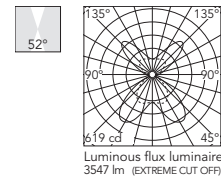
- 3000K**
Non Dimmable
- 09.5015.30B
 - 09.5015.02B
 - 09.5015.14B
- Dali Version
- 09.5015.30BDA
 - 09.5015.02BDA
 - 09.5015.14BDA



Beam Angle DIR: 52°

h(m)	E(lx)	D(m)
1	595	1.37
2	149	2.73
3	66	4.10
4	37	5.47
5	24	6.83

- 4000K**
Non Dimmable
- 09.5016.30B
 - 09.5016.02B
 - 09.5016.14B
- Dali Version
- 09.5016.30BDA
 - 09.5016.02BDA
 - 09.5016.14BDA



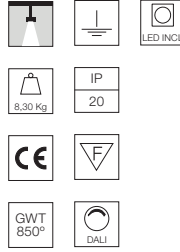
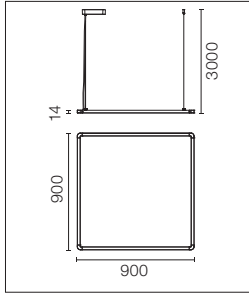
Beam Angle DIR: 52°

h(m)	E(lx)	D(m)
1	619	1.37
2	155	2.73
3	69	4.10
4	39	5.47
5	25	6.83

SUPER FLAT

Super Flat Suspension 90x90 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

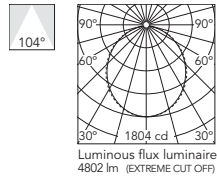
3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Total consumption of the system:
55W.

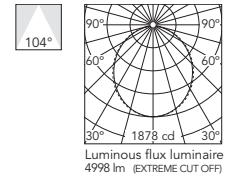
Consumo total del sistema:
55W.

- 3000K**
Non Dimmable
- 09.5020.30B
 - 09.5020.02B
 - 09.5020.14B
- Dali Version
- 09.5020.30BDA
 - 09.5020.02BDA
 - 09.5020.14BDA



h(m)	E(lx)	D(m)
1	1804	2.58
2	451	5.15
3	200	7.73
4	113	10.31
5	72	12.88

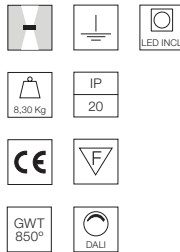
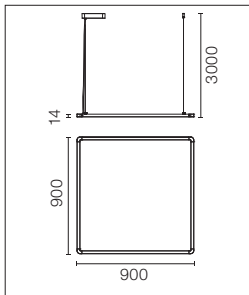
- 4000K**
Non Dimmable
- 09.5021.30B
 - 09.5021.02B
 - 09.5021.14B
- Dali Version
- 09.5021.30BDA
 - 09.5021.02BDA
 - 09.5021.14BDA



h(m)	E(lx)	D(m)
1	1878	2.58
2	469	5.15
3	209	7.73
4	117	10.31
5	75	12.88

Super Flat Suspension 90x90 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W

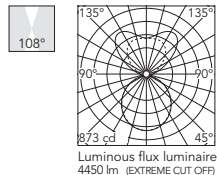
3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Eficiencia de la luminaria:
Max. 151 lm/W

Total consumption of the system:
55W.

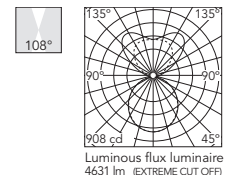
Consumo total del sistema:
55W.

- 3000K**
Non Dimmable
- 09.5025.30B
 - 09.5025.02B
 - 09.5025.14B
- Dali Version
- 09.5025.30BDA
 - 09.5025.02BDA
 - 09.5025.14BDA



h(m)	E(lx)	D(m)
1	873	2.75
2	218	5.49
3	97	8.24
4	55	10.98
5	35	13.73

- 4000K**
Non Dimmable
- 09.5026.30B
 - 09.5026.02B
 - 09.5026.14B
- Dali Version
- 09.5026.30BDA
 - 09.5026.02BDA
 - 09.5026.14BDA

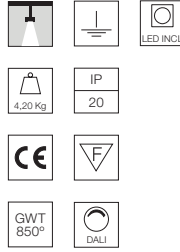
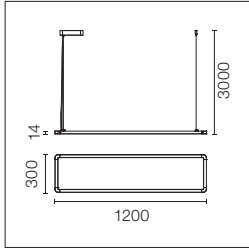


h(m)	E(lx)	D(m)
1	908	2.75
2	227	5.49
3	101	8.24
4	57	10.98
5	36	13.73

SUPER FLAT

Super Flat Suspension 120x30 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

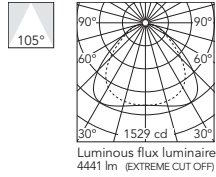
4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Total consumption of the system:
56W.

Consumo total del sistema:
56W.

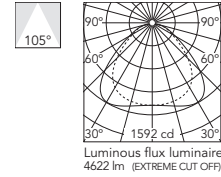
- 3000K**
Non Dimmable
- 09.5040.30B
 - 09.5040.02B
 - 09.5040.14B
- Dali Version
- 09.5040.30BDA
 - 09.5040.02BDA
 - 09.5040.14BDA



Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1529	2.62
2	382	5.25
3	170	7.87
4	96	10.49
5	61	13.12

- 4000K**
Non Dimmable
- 09.5041.30B
 - 09.5041.02B
 - 09.5041.14B
- Dali Version
- 09.5041.30BDA
 - 09.5041.02BDA
 - 09.5041.14BDA

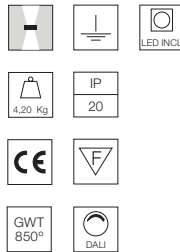
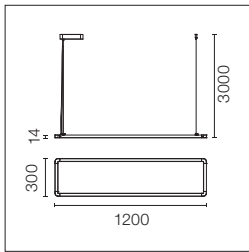


Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1592	2.62
2	398	5.25
3	177	7.87
4	99	10.49
5	64	13.12

Super Flat Suspension 120x30 Up&Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



General lighting LED luminaire, direct and indirect beam, to be suspended from ceiling. Power supply 220/240V included.

Luminaria LED de iluminación general indirecta y directa para ser instalada a techo mediante suspensión. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

3000K
Light Source:
Up: Max. 3482 lm.
Down: Max. 3482 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

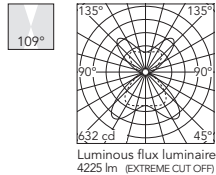
4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W

4000K
Light Source:
Up: Max. 3830 lm.
Down: Max. 3830 lm.
Eficiencia de la luminaria:
Max. 151 lm/W

Total consumption of the system:
56W.

Consumo total del sistema:
56W.

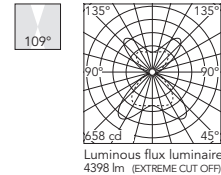
- 3000K**
Non Dimmable
- 09.5045.30B
 - 09.5045.02B
 - 09.5045.14B
- Dali Version
- 09.5045.30BDA
 - 09.5045.02BDA
 - 09.5045.14BDA



Beam Angle DIR: 109°

h(m)	E(lx)	D(m)
1	632	2.82
2	158	5.64
3	70	8.46
4	40	11.27
5	25	14.09

- 4000K**
Non Dimmable
- 09.5046.30B
 - 09.5046.02B
 - 09.5046.14B
- Dali Version
- 09.5046.30BDA
 - 09.5046.02BDA
 - 09.5046.14BDA



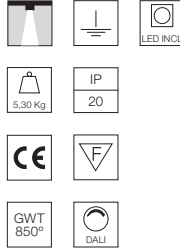
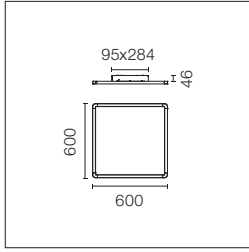
Beam Angle DIR: 109°

h(m)	E(lx)	D(m)
1	658	2.82
2	165	5.64
3	73	8.46
4	41	11.27
5	26	14.09

SUPER FLAT

Super Flat Surface 60x60 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



Surface mounted general lighting LED luminaire. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 4821 lm.
Luminous efficiency of luminaire:
Max. 115 lm/W

4000K
Light Source:
Max. 5303 lm.
Luminous efficiency of luminaire:
Max. 126 lm/W.

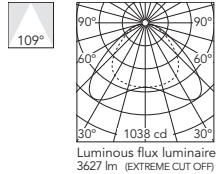
3000K
Light Source:
Max. 4821 lm.
Eficiencia de la luminaria:
Max. 115 lm/W

4000K
Light Source:
Max. 5303 lm.
Eficiencia de la luminaria:
Max. 126 lm/W.

Total consumption of the system:
40W.

Consumo total del sistema:
40W.

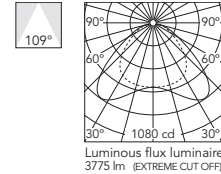
- 3000K**
Non Dimmable
- 09.6010.30B
 - 09.6010.02B
 - 09.6010.14B
- Dali Version
- 09.6010.30BDA
 - 09.6010.02BDA
 - 09.6010.14BDA



Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1038	2.81
2	259	5.63
3	115	8.44
4	65	11.25
5	42	14.06

- 4000K**
Non Dimmable
- 09.6011.30B
 - 09.6011.02B
 - 09.6011.14B
- Dali Version
- 09.6011.30BDA
 - 09.6011.02BDA
 - 09.6011.14BDA

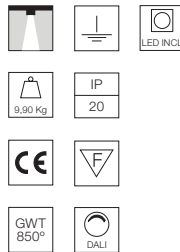
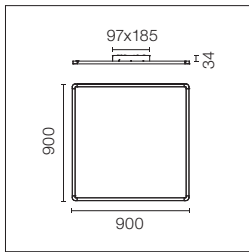


Beam Angle: 109°

h(m)	E(lx)	D(m)
1	1080	2.81
2	270	5.63
3	120	8.44
4	68	11.25
5	43	14.06

Super Flat Surface 90x90 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



Surface mounted general lighting LED luminaire. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K
Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

4000K
Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

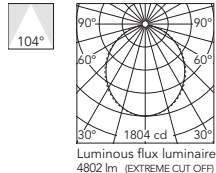
3000K
Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

4000K
Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Total consumption of the system:
55W.

Consumo total del sistema:
55W.

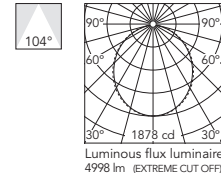
- 3000K**
Non Dimmable
- 09.6020.30B
 - 09.6020.02B
 - 09.6020.14B
- Dali Version
- 09.6020.30BDA
 - 09.6020.02BDA
 - 09.6020.14BDA



Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1804	2.58
2	451	5.15
3	200	7.73
4	113	10.31
5	72	12.88

- 4000K**
Non Dimmable
- 09.6021.30B
 - 09.6021.02B
 - 09.6021.14B
- Dali Version
- 09.6021.30BDA
 - 09.6021.02BDA
 - 09.6021.14BDA



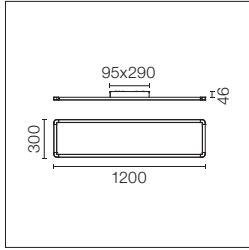
Beam Angle: 104°

h(m)	E(lx)	D(m)
1	1878	2.58
2	469	5.15
3	209	7.73
4	117	10.31
5	75	12.88

SUPER FLAT

Super Flat Surface 120x30 Down

Light Source: Top LED 3000K/CRI 90 / 4000K/CRI 90



Surface mounted general lighting LED luminaire. Power supply 220/240V included.

Luminaria LED de iluminación general para ser instalada a techo. Fuente de alimentación 220/240V incluida.

3000K

Light Source:
Max. 6964 lm.
Luminous efficiency of luminaire:
Max. 138 lm/W

4000K

Light Source:
Max. 7660 lm.
Luminous efficiency of luminaire:
Max. 151 lm/W.

Total consumption of the system:
56W.

3000K

Light Source:
Max. 6964 lm.
Eficiencia de la luminaria:
Max. 138 lm/W

4000K

Light Source:
Max. 7660 lm.
Eficiencia de la luminaria:
Max. 151 lm/W.

Consumo total del sistema:
56W.

3000K

Non Dimmable

09.6040.30B

09.6040.02B

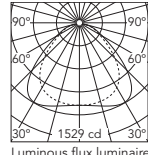
09.6040.14B

Dali Version

09.6040.30BDA

09.6040.02BDA

09.6040.14BDA



Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1529	2.62
2	382	5.25
3	170	7.87
4	96	10.49
5	61	13.12

4000K

Non Dimmable

09.6041.30B

09.6041.02B

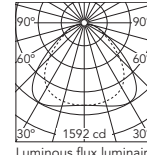
09.6041.14B

Dali Version

09.6041.30BDA

09.6041.02BDA

09.6041.14BDA



Beam Angle: 105°

h(m)	E(lx)	D(m)
1	1592	2.62
2	398	5.25
3	177	7.87
4	99	10.49
5	64	13.12

LIGHT BELL

DESIGNED BY PIERO LISSONI



LIGHT SOURCE
LED ARRAY
55W
6388 lm
2700K/CRI 90
6714 lm
3000K/CRI 90

Outside / Exterior

□ 70 Matt White
70 Blanco Mate

■ AP Polished Aluminium
AP Aluminio Pulido

■ AN Anodized Black
AN Negro Anodizado

Inside / Interior

■ Anodized Aluminium
Aluminio Anodizado

■ Anodized Aluminium
Aluminio Anodizado

■ Gold
Oro



Outside / Exterior

■ 18 Dark Brown
18 Marrón Oscuro

■ 7C Matt Black
7C Negro Mate

Inside / Interior

■ Gold
Oro

■ Galvanic Copper
Cobre Galvanizado



Outside / Inside
Exterior / Interior

□ 76 Transparent Glass
76 Cristal Transparente

■ CE Concrete
CE Cemento



LIGHT BELL

Description

Suspended general lighting luminaire for indoor mounting. It has a high efficiency latest generation LED light source and a low-loss technical thermoplastic diffuser. The reflector is supplied separately and is available in spun aluminium with different patterns, and in transparent glass, depending on the versions. Power supply source integrated into luminaire housing.

Power Supply

Integrated 220/240V constant voltage power supply source.

Additional Information

Available in Dali, and Dimmable Push versions.
IP20 protection grade.
Insulation class I.
Pin-block type dissipater.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria suspendida de iluminación general para ser instalada en interiores. Cuenta con una fuente de luz LED de última generación de alta eficiencia y difusor realizado en termoplástico técnico de bajas pérdidas. El reflector de la luminaria se sirve por separado, y está disponible en aluminio repulsado en distintos decorados y en cristal transparente según versiones. Fuente de alimentación integrada en el cuerpo de la luminaria.

Fuente de Alimentación

Fuente de alimentación de corriente constante 220/240V integrada.

Información Adicional

Disponible en versiones Dali, y Dimmable Push.
Índice de protección IP20.
Clase de aislamiento I.
Disipador tipo pin-block.

Cumplimiento de Normativa y Marcas de Calidad

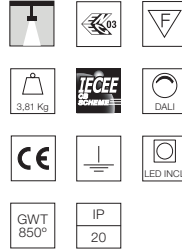
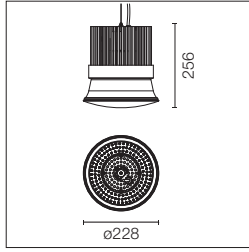
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



LIGHT BELL

Light Bell Light Source

Light Source: LED Array 55W - 6388 lm - 2700K/CRI 90 / 55W - 6714 lm - 3000K/CRI 90



Suspended luminaire for mounting on the ceiling with LED light source. (4 metres maximum distance to ceiling). Power supply source 220/240V integrated into luminaire housing. Reflector not included; supplied separately. Please ask us for a higher IP.

Luminaria suspendida para ser instalada a techo con fuente de luz LED (máxima distancia al techo 4 metros). Fuente de alimentación 220/240V integrada en el cuerpo de la luminaria. Reflector no incluido, se sirve por separado. Consultar para IP superior.

2700K

Non Dimmable

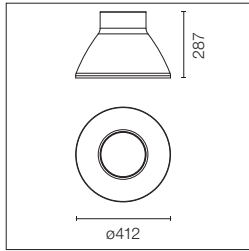
- 07.9641.14A Dimmable Push
- 07.9641.14ADP Dimmable Dali
- 07.9641.14ADA

3000K

Non Dimmable

- 07.9642.14A Dimmable Push
- 07.9642.14ADP Dimmable Dali
- 07.9642.14ADA

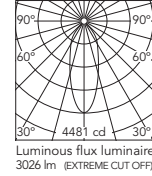
Light Bell Reflector



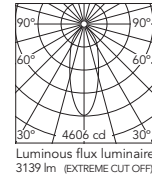
■ 07.9630.70



E I **2700K**
 ■ 07.9630.70 + 07.9641.14A



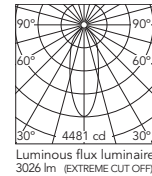
E I **3000K**
 ■ 07.9630.70 + 07.9642.14A



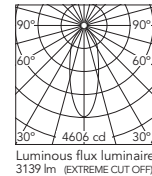
■ 07.9630.AP



E I **2700K**
 ■ 07.9630.AP + 07.9641.14A



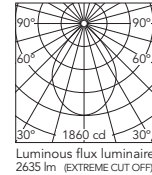
E I **3000K**
 ■ 07.9630.AP + 07.9642.14A



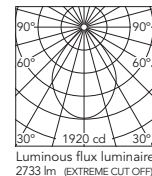
■ 07.9630.AN



E I **2700K**
 ■ 07.9630.AN + 07.9641.14A



E I **3000K**
 ■ 07.9630.AN + 07.9642.14A



E= External Finish
 I= Internal Finish

E= Acabado Externo
 I= Acabado Interno

LIGHT BELL

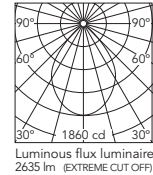
Light Bell Reflector



07.9630.18

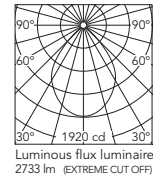


E I 2700K
07.9630.18
+
07.9641.14A



Beam Angle: 78°		
h(m)	E(lx)	D(m)
1	1860	1.61
2	465	3.22
3	207	4.84
4	116	6.45
5	74	8.06

E I 3000K
07.9630.18
+
07.9642.14A



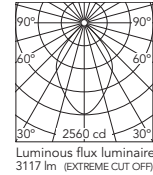
Beam Angle: 78°		
h(m)	E(lx)	D(m)
1	1920	1.62
2	480	3.23
3	213	4.85
4	120	6.47
5	77	8.08



07.9630.7C

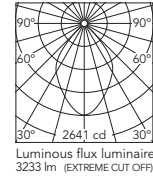


E I 2700K
07.9630.7C
+
07.9641.14A



Beam Angle: 74°		
h(m)	E(lx)	D(m)
1	2560	1.49
2	640	2.98
3	284	4.47
4	160	5.97
5	102	7.46

E I 3000K
07.9630.7C
+
07.9642.14A



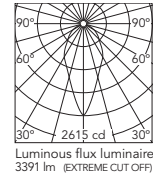
Beam Angle: 74°		
h(m)	E(lx)	D(m)
1	2641	1.50
2	660	2.99
3	293	4.49
4	165	5.98
5	106	7.48



07.9630.76

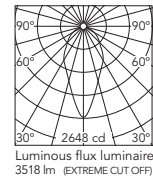


2700K
07.9630.76
+
07.9641.14A



Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	2615	0.81
2	654	1.63
3	291	2.44
4	163	3.26
5	105	4.07

3000K
07.9630.76
+
07.9642.14A



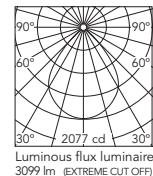
Beam Angle: 46°		
h(m)	E(lx)	D(m)
1	2648	0.85
2	662	1.71
3	294	2.56
4	166	3.41
5	106	4.27



07.9630.CE

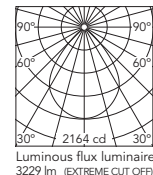


2700K
07.9630.CE
+
07.9641.14A



Beam Angle: 79°		
h(m)	E(lx)	D(m)
1	2077	1.66
2	519	3.32
3	231	4.97
4	130	6.63
5	83	8.29

3000K
07.9630.CE
+
07.9642.14A



Beam Angle: 79°		
h(m)	E(lx)	D(m)
1	2164	1.66
2	541	3.32
3	240	4.97
4	135	6.63
5	87	8.29

Accessories / Accesorios

Rosette for indoors. IP20. It does not include the suspension cable.

Rosetón de alimentación para interiores. IP20. No incluye cable de suspensión.



Non Dimmable
F0556020
Dimmable Push/'Dali
F0557020

* The F0557020 Dali version has a 4-meter cable, 5 poles and a 0.75mm² section.

* La versión Dali F0557020 lleva cable de 4m, 5 polos y sección 0.75mm².

Rosette. IP54.
Includes a 4-meter suspension cable.

Rosetón de alimentación. IP54.
Incluye cable de suspensión de 4m.



08.8775.40

FORT KNOX WALL

DESIGNED BY PHILIPPE STARCK

FORT KNOX WALL



LIGHT SOURCE
POWER LED
32W
2896 lm
3000K/CRI 90
3256 lm
4000K/CRI 90

FORT KNOX WALL MINI



LIGHT SOURCE
POWER LED
25W
1985 lm
3000K/CRI 90
2133 lm
4000K/CRI 90

□ 40 White
40 Blanco

◻ 05 Polished Aluminium
05 Aluminio Pulido

■ 14 Black/RAL 9005
14 Negro



Description

Luminaire for wall application designed for indirect lighting.

Die-cast aluminium alloy body with hand polished finish and protected with transparent liquid paint, or powder-coated white or matt black.

Wall support made in injected aluminium. Thanks to its innovative design, this holder allows both horizontal and vertical regulation up to 10 mm, ensuring a perfect installation on any type of surface. Additionally, this product includes a spirit level, allowing a perfect luminaire calibration.

Reflectors

Thanks to its adapted design, the asymmetrical lens allow luminaire's maximum efficiency and optimal light distribution.

Power Supply

Non Dimmable, Dimmable 1-10V or Dimmable Dali power source incorporated in the luminaire body.

Additional Information

IP20 protection grade.
Insulation class I.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria de pared para luz indirecta.

Cuerpo realizado en aleación de aluminio inyectado a presión con acabado pulido a mano y protegido por pintura líquida transparente o barniz en polvo de color blanco o negro mate.

Soporte de pared realizado en aluminio inyectado. Gracias a su novedoso diseño, este soporte permite la regulación tanto en horizontal como en vertical de hasta 10 mm, garantizando una perfecta instalación sobre cualquier superficie. Además, el producto incorpora un nivel de burbuja que permite una perfecta calibración de la luminaria.

Reflectores

Lente asimétrica que gracias a su diseño adaptado, permite una eficiencia de la luminaria máxima además de una distribución óptima de la luz.

Unidades de Alimentación

Fuente de alimentación No Dimmable, Dimmable 1-10V o Dimmable Dali incorporada en el cuerpo principal de la luminaria.

Información Adicional

Índice de protección IP20.
Clase de aislamiento I.

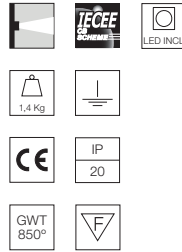
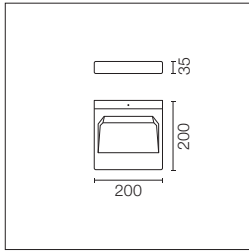
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

FORT KNOX WALL

Fort Knox Wall

Light Source: Power LED 32W - 2896 lm - 3000K/CRI 90 / 32W - 3256 lm - 4000K/CRI 90



Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria.

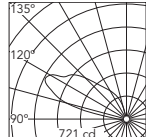
3000K

Dimmable 1-10V

- 09.2110.40A
- 09.2110.05A
- 09.2110.14A

Dali Version

- 09.2110.40ADA
- 09.2110.05ADA
- 09.2110.14ADA



Beam Angle: 39°

h(m)	E(lx)	D(m)
1	721	3.39
2	180	6.77
3	80	10.16
4	45	13.55
5	29	16.94

Luminous flux luminaire
2481 lm
39° - C180 _____ 0
62° - C270 _____ 90

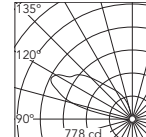
4000K

Dimmable 1-10V

- 09.2112.40A
- 09.2112.05A
- 09.2112.14A

Dali Version

- 09.2112.40ADA
- 09.2112.05ADA
- 09.2112.14ADA



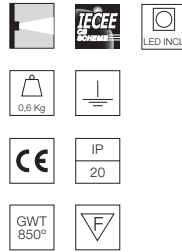
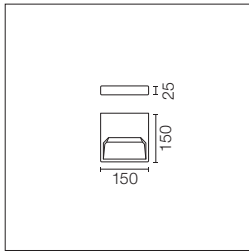
Beam Angle: 39°

h(m)	E(lx)	D(m)
1	778	3.39
2	194	6.77
3	86	10.16
4	49	13.55
5	31	16.94

Luminous flux luminaire
2676 lm
39° - C180 _____ 0
62° - C270 _____ 90

Fort Knox Wall Mini

Light Source: Power LED 25W - 1985 lm - 3000K/CRI 90 / 25W - 2133 lm - 4000K/CRI 90



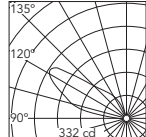
Wall-mounted LED luminaire for indirect lighting. Power source 220-240V incorporated into luminaire's body. Mains Dimming under request.

Luminaria LED de pared para luz indirecta. Fuente de alimentación 220-240V integrada en el cuerpo de la luminaria. Mains Dimming bajo petición.

3000K

Non Dimmable

- 09.2125.40
- 09.2125.05
- 09.2125.14



Beam Angle: 35°

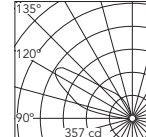
h(m)	E(lx)	D(m)
1	332	3.50
2	83	6.99
3	37	10.49
4	21	13.99
5	13	17.49

Luminous flux luminaire
1440 lm
35° - C180 _____ 0
90° - C270 _____ 90

4000K

Non Dimmable

- 09.2127.40
- 09.2127.05
- 09.2127.14



Beam Angle: 35°

h(m)	E(lx)	D(m)
1	357	3.50
2	89	6.99
3	40	10.49
4	22	13.99
5	14	17.49

Luminous flux luminaire
1548 lm
35° - C180 _____ 0
90° - C270 _____ 90

THIN LED

DESIGNED BY FLOS ARCHITECTURAL



LIGHT SOURCE
TOP LED
20W/m
24V
1822 lm/m
3000K/CRI 90

□ 30 White
30 Blanco

■ 29 Anodized Aluminium
29 Aluminio Anodizado

■ BZ Anodized Bronze
BZ Bronce Anodizado



Patented and registered model / Modelo patentado y registrado.

Description

Wall application luminaire for indirect lighting. Anodised aluminium housing with internal super-pure optical aluminium reflector. Very easy to install and extremely versatile. The printed circuit is made of jointed modules with double connector through silver contacts. This ensure a safe power supply avoiding damages which could be caused during assembling phase. The utilized LED, with a very tight pitch and a 120° emission, together with the reflection system, grant a very high and even lighting emission performance. Thanks to a patented light emission control system, the light fitting performance is really high, with an optimized and very comfortable light distribution.

Power Supply

24V power supplies available with a power of between 20W and 100W (3 metres in length). Control system with 1-10V dimmer or Dali available.

Additional Information

Led modules: 404 mm - 1201 mm - 1034 mm - 2040 mm - 2541 mm- 3042 mm.
Blind module: 1034 mm.
Max connection length 3044 mm.
Side covers included.
IP20 protection grade.
Classe d'isolation III.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Aparato de iluminación indirecta para ser instalado en la pared. Cuerpo en aluminio anodizado con reflector interior óptico realizado en aluminio super-puro. Muy fácil de instalar y extremadamente versátil. El circuito impreso está realizado con módulos articulados con un doble conector a través de contactos de plata. Esto asegura un alimentador de corriente seguro evitando daños que podrían originarse durante la fase de montaje. Los LEDs utilizados con una ajustada frecuencia y una emisión de 120°, junto con el sistema reflector, garantizan unas prestaciones elevadas y una iluminación uniforme. Gracias a un sistema patentado de control de emisiones de luz, el rendimiento de las lámparas es muy alto, con una distribución de iluminación óptima y muy confortable.

Unidades de Alimentación

Fuentes de alimentación de 24V disponibles desde 20W hasta 100W de potencia (3 metros de longitud). Sistema de control con dimmer 1-10V o Dali disponibles.

Información Adicional

Módulos de LED: 404 mm - 1201 mm - 1034 mm - 2040 mm - 2541 mm- 3042 mm.
Módulo deslumbramiento: 1034 mm.
Máxima longitud de conexión 3044 mm.
Cubiertas laterales incluidas.
Grado de protección IP20.
Clase de aislamiento III.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

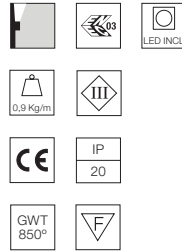
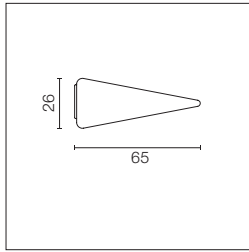
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



THIN LED

Thin LED

Light Source: Top LED 20W/m - 24V - 1822 lm/m - 3000K/CRI 90



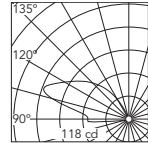
Wall application luminaire for indirect lighting with LED. Remote transformer not included.

Luminaria de pared de iluminación indirecta con LED. Transformador remoto no incluido.

L: 404 mm

6,8W - 711 lm - 16 LEDs

- 09.0045.30B
- 09.0045.29B
- 09.0045.BZB



Beam Angle: 101°

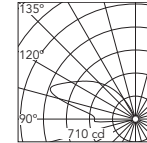
h(m)	E(lx)	D(m)
1	118	6.46
2	30	12.92
3	13	19.38
4	7	25.84
5	5	32.30

Luminous flux luminaire 621 lm

L: 2040 mm

41W - 4266 lm - 84 LEDs

- 09.0101.30B
- 09.0101.29B
- 09.0101.BZB



Beam Angle: 101°

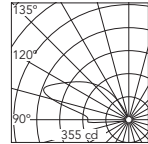
h(m)	E(lx)	D(m)
1	710	6.46
2	178	12.92
3	79	19.38
4	44	25.84
5	28	32.30

Luminous flux luminaire 3726 lm

L: 1034 mm

20,5W - 2133 lm - 42 LEDs

- 09.0100.30B
- 09.0100.29B
- 09.0100.BZB



Beam Angle: 101°

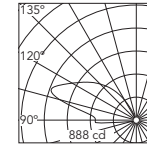
h(m)	E(lx)	D(m)
1	355	6.46
2	89	12.92
3	39	19.38
4	22	25.84
5	14	32.30

Luminous flux luminaire 1863 lm

L: 2541 mm

47,8W - 5250 lm - 105 LEDs

- 09.0102.30B
- 09.0102.29B
- 09.0102.BZB



Beam Angle: 101°

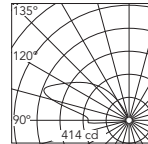
h(m)	E(lx)	D(m)
1	888	6.46
2	222	12.92
3	99	19.38
4	55	25.84
5	36	32.30

Luminous flux luminaire 4657 lm

L: 1201 mm

23,9W - 2450 lm - 55 LEDs

- 09.0120.30B
- 09.0120.29B
- 09.0120.BZB



Beam Angle: 101°

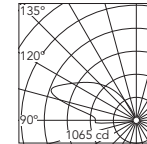
h(m)	E(lx)	D(m)
1	414	6.46
2	104	12.92
3	46	19.38
4	26	25.84
5	17	32.30

Luminous flux luminaire 2173 lm

L: 3042 mm

61,5W - 6399 lm - 126 LEDs

- 09.0103.30B
- 09.0103.29B
- 09.0103.BZB



Beam Angle: 101°

h(m)	E(lx)	D(m)
1	1065	6.46
2	266	12.92
3	118	19.38
4	67	25.84
5	43	32.30

Luminous flux luminaire 5588 lm

L: 1034 mm BLIND*

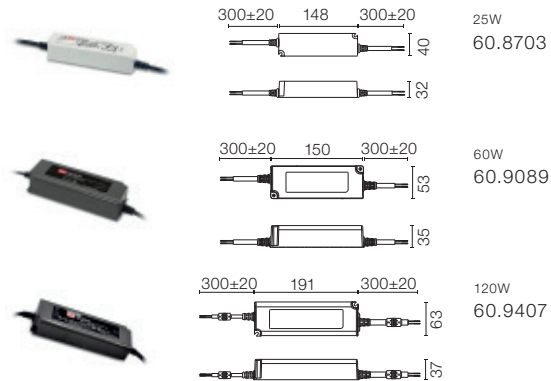
- 09.0104.30A
- 09.0104.29A
- 09.0104.BZA

* To create continuous profile lines / Para crear líneas de perfil continuas.

Drivers / Equipos

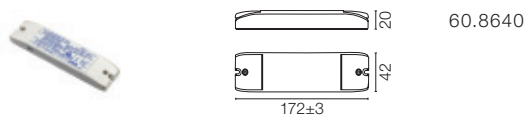
Electronic transformer with constant voltage (24V) for LED. 100/240V.

Transformador electrónico de tensión constante (24V) para LED. 100/240V.



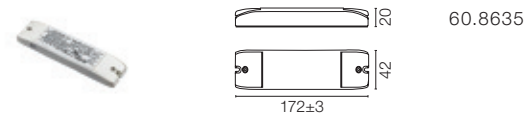
Dimmable 1-10V control unit with 1 channel for 24V LED modules. Power supply not included. Max. 120W - 5A.

Unidad de control dimable 1-10V de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Max. 120W - 5A.



Dimmable Dali control unit with 1 channel for 24V LED modules. Power supply not included. Maximum length 5 m/92,5W.

Unidad de control dimable Dali de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación. Máxima longitud 5 m/92,5W.



WALL SYSTEM

DESIGNED BY ANTONIO CITTERIO

BACK 1	BACK 1 OPTICAL SWITCH	BACK 2	UP&DOWN	MINIKELVIN WALL FLEX	MINIKELVIN FLEX
LIGHT SOURCE TOP LED 6W 426 lm 3000K/CRI 80		LIGHT SOURCE TOP LED 8W 553 lm 3000K/CRI 80	LIGHT SOURCE POWER LED 4W 2X150 lm 3000K/CRI 82		LIGHT SOURCE TOP LED 4W 216 lm 3000K/CRI 85

Wall System

■ 57 Chrome
■ 57 Cromo



Minikelvin

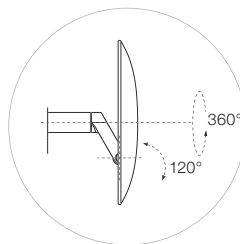
□ 09 White
□ 09 Blanco

■ 57 Chrome
■ 57 Cromo

■ 30 Black
■ 30 Negro



Can be rotated 360° and swivelled 120°.
Puede ser rotado 360° y orientado 120°.



WALL SYSTEM

Description

Range of indirect-illumination (Wall System Back), dual-emission, direct-illumination (Wall System up&down) and diffuse illumination (Wall System Minikelvin Flex and Minikelvin Wall Flex) wall-mounted lighting devices.

- Wall System Back and Wall System Up&Down:

Body in die-cast aluminium with chrome finish, wall attachment in injection-stamped PC. The diffuser is in injection-stamped, internally photo-etched methacrylate.

- Wall System Minikelvin Flex:

Die-cast head in chrome finish or painted (black / white) mounted on flexible tube, diffuser in methacrylate externally photo-etched with aluminate frame.

For the Back, Up&Down and Minikelvin Flex models, two versions are available: recessed with integrated driver, which takes round wall ornamentals (ø125) in aluminium, white or black colour, or recessed with remote driver, flush with wall without ornamental. The version with integrated driver uses as casing either masonry boxes or plaster board, widely available all over Europe. For the US market, housing in the standard J-box is envisaged.

- Minikelvin Wall Flex:

Die-cast head in chrome finish or painted (black / white) mounted on flexible tube, diffuser in methacrylate externally photo-etched with aluminate frame. Wall attachment in injection-stamped PC.

Power Supply

Versions with integrated driver have a latest-generation electronic transformer.

Additional Information

IP20 protection grade.

Insulation class III.

Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de aparatos de iluminación para su instalación a pared y de luz indirecta (Wall System Back), directa con doble haz de luz (Wall System up&down) y de luz difusa (Wall System Minikelvin Flex y Minikelvin Wall Flex).

- Wall System Back y Wall System Up&Down:

Cuerpo de aluminio fundido a presión con acabado cromado, sujeción a pared de PC estampado por inyección. El difusor es de metacrilato fotograbado internamente y estampado por inyección.

- Wall System Minikelvin Flex:

Cabeza de aluminio fundido a presión, acabado cromado o pintado (blanco/negro). Va montada sobre un tubo flexible, difusor en metacrilato fotograbado externamente con moldura aluminizada.

Para los modelos Back, Up&Down y Minikelvin Flex, hay dos versiones disponibles: empotrado con controlador integrado, que está equipado con embellecedor de pared redondo (ø125), color aluminio, blanco o negro, o, empotrado con controlador remoto, a ras de la pared sin embellecedor. La versión con controlador integrado utiliza indistintamente como encofrado las cajas para pared de mampostería o de pladur, que pueden encontrarse fácilmente en todos los mercados europeos. En el caso del mercado americano, se prevé su colocación en una "J-box" estándar.

- Minikelvin Wall Flex:

Cabeza de aluminio fundido a presión cromado o pintado (blanco/negro) montado sobre un tubo flexible, difusor de metacrilato fotograbado externamente con moldura aluminizada. Fijación a pared en PC estampado por inyección.

Unidades de Alimentación

Las versiones con controlador integrado disponen de un transformador electrónico de última generación.

Información Adicional

Índice de protección IP20.

Clase de aislamiento III.

Instalable sobre superficies normalmente inflamables.

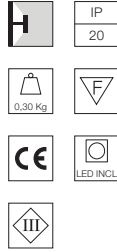
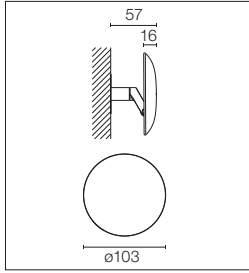
Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

WALL SYSTEM

Wall System Back 1 Remote Power Supply

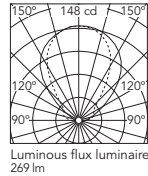
Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



Indirect-illumination lighting device for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.

F9492057

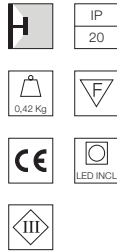
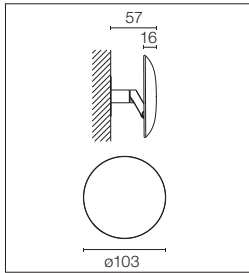


Beam Angle: 70°

h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Wall System Back 1 Power Supply Integrated

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



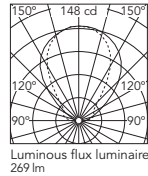
Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (125).

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (125).

See available accessories. For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Ver accesorios disponibles. Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9494057

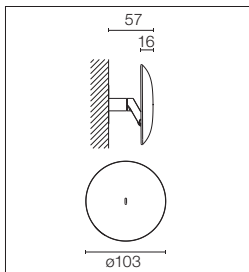


Beam Angle: 70°

h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Wall System Back 1 Remote Power Supply Optical Switch

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



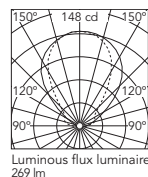
Indirect-illumination lighting device for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.

ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

F9493057



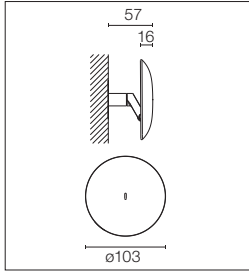
Beam Angle: 70°

h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

WALL SYSTEM

Wall System Back 1 Power Supply Integrated Optical Switch

Light Source: Top LED 6W - 426 lm - 3000K/CRI 80



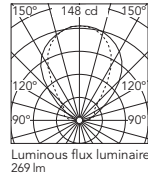
Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (ø125). ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (ø125). Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%)

See available accessories.

Ver accesorios disponibles.

F9497057

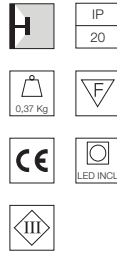
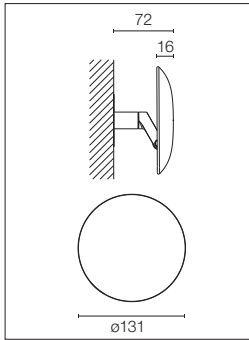


Beam Angle: 70°

h(m)	E(lx)	D(m)
1	148	2.05
2	37	4.10
3	16	6.16
4	9	8.21
5	6	10.26

Wall System Back 2 Remote Power Supply

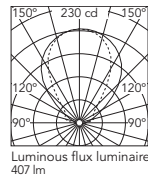
Light Source: Top LED 8W - 553 lm - 3000K/CRI 80



Indirect-illumination lighting device for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con luz indirecta y controlador remoto.

F9466057

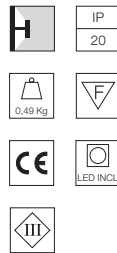
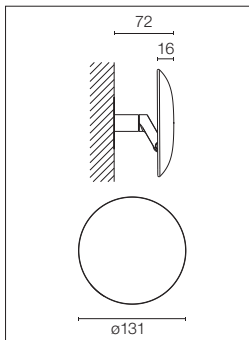


Beam Angle: 70°

h(m)	E(lx)	D(m)
1	230	2.07
2	57	4.14
3	26	6.21
4	14	8.28
5	9	10.35

Wall System Back 2 Power Supply Integrated

Light Source: Top LED 8W - 553 lm - 3000K/CRI 80



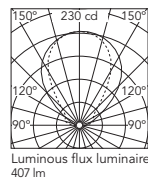
Indirect-illumination lighting device for wall mounting with integrated driver and with round ornamental (ø125).

Aparato de iluminación para su instalación en la pared con luz indirecta y controlador integrado. Se complementa con un embellecedor redondo (ø125).

See available accessories. For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Ver accesorios disponibles. Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

F9467057



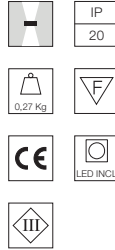
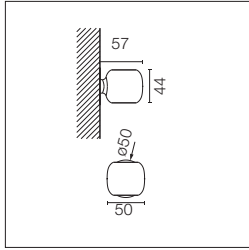
Beam Angle: 70°

h(m)	E(lx)	D(m)
1	230	2.07
2	57	4.14
3	26	6.21
4	14	8.28
5	9	10.35

WALL SYSTEM

Wall System Up&Down Remote Power Supply

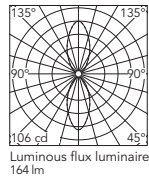
Light Source: Power LED 4W - 2x150 lm - 3000K/CRI 82



Lighting device with dual emission bulb for installation flush with the wall with remote driver.

Aparato de iluminación para su instalación a ras de la pared con doble emisión de luz y controlador remoto.

■ F9477057

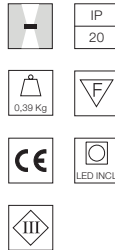
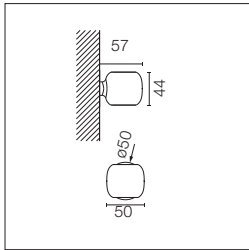


Beam Angle DIR: 49°

h(m)	E(lx)	D(m)
1	106	0.92
2	26	1.83
3	12	2.75
4	7	3.66
5	4	4.58

Wall System Up&Down Power Supply Integrated

Light Source: Power LED 4W - 2x150 lm - 3000K/CRI 82



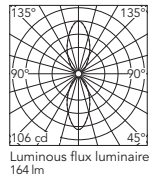
Lighting device with dual emission bulb for wall mounting with remote driver and with round ornamental (ø125).

Aparato de iluminación para su instalación en la pared con doble emisión de luz y controlador integrado. Se complementa con un embellecedor redondo (ø125).

See available accessories. For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Ver accesorios disponibles. Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

■ F9474057

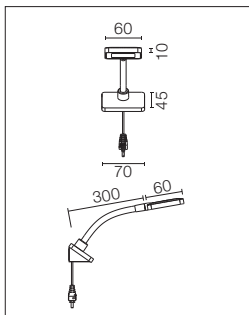


Beam Angle DIR: 49°

h(m)	E(lx)	D(m)
1	106	0.92
2	26	1.83
3	12	2.75
4	7	3.66
5	4	4.58

Minikelvin Wall Flex

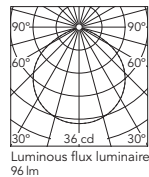
Light Source: Top LED 4W - 216 lm - 3000K/CRI 85



Diffuse illumination lighting device for wall mounting Wall attachment in die-cast aluminium. The adaptor is on the plug and the useful cable length is 200 cm. ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación en la pared con luz difusa. Fijación a la pared de aluminio fundido a presión. El transformador se encuentra en el enchufe y el cable presenta una longitud útil de 200 cm. Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% - 50% - 0%).

■ F4185009
■ F4185057
■ F4185030



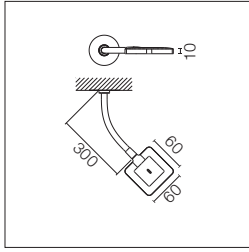
Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

WALL SYSTEM

Wall System Minikelvin Flex Remote Power Supply

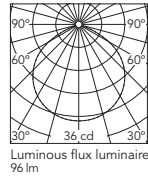
Light Source: Top LED 4W - 216 lm - 3000K/CRI 85



Diffuse illumination lighting device for installation flush with the wall with remote driver. ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación a ras de la pared con luz difusa y controlador remoto. Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

- F9478009
- F9478057
- F9478030

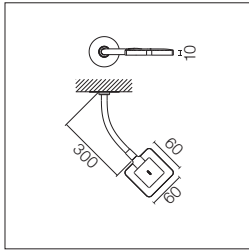


Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

Wall System Minikelvin Flex Power Supply Integrated

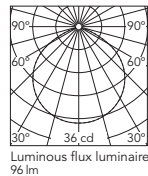
Light Source: Top LED 4W - 216 lm - 3000K/CRI 85



Diffuse illumination lighting device for installation flush with the wall with integrated driver and with round ornamental (ø125). ON/OFF switch with Soft Touch technology and light flow adjustment to 2 intensities (100% - 50% - 0%).

Aparato de iluminación para su instalación en la pared con luz difusa y controlador integrado. Se complementa con un embellecedor redondo (ø125). Interruptor ON/OFF con tecnología Soft Touch y regulación del flujo luminoso de doble intensidad (100% -50%- 0%).

- F9463009
- F9463057
- F9463030



Beam Angle: 111°

h(m)	E(lx)	D(m)
1	36	2.89
2	9	5.77
3	4	8.66
4	2	11.55
5	1	14.44

See available accessories. For installation on plasterboard, a box of minimum size 110.2 x 68.8 x 53.7 mm must be used.

Ver accesorios disponibles. Para instalaciones en pladur se debe usar caja de dimensiones mínimas 110,2x68,8x53,7 mm.

Accessories / Accesorios

3-Module flush mounted box for masonry, measuring 119x80x50 mm.

Caja para empotrar con 3 módulos para mampostería, con dimensiones 119x80x50 mm.

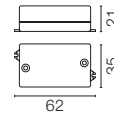


80.8067

Drivers / Equipos

Electronic transformer with constant voltage (24V) for LED. 220/240V, 50/60Hz.

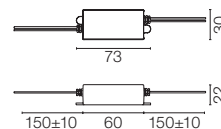
Transformador electrónico de tensión constante (24V) para LED. 220/240V, 50/60Hz.



8W - Remote installation
60.8079

Electronic transformer with constant voltage (24V) for LED. 110/240V, 50/60Hz.

Transformador electrónico de tensión constante (24V) para LED. 110/240V, 50/60Hz.



60.9157

G - O

DESIGNED BY JORGE HERRERA



LIGHT SOURCE
TOP LED
1,2W
105 lm
3000K/CRI 90

□ 30 White
30 Blanco

■ 29 Anodized
Aluminium
29 Aluminio
Anodizado

■ 55 Stainless
Steel
55 Acero
Inoxidable

■ BZ Bronze
BZ Bronce

■ AN Anodized
Black
AN Negro
Anodizado



Light Colours
Colores de la Luz

□ White Light
Luz Blanca

■ Amber Light
Luz Ámbar



Description

Embedded light fixture for indoor use in all its finishes, except stainless steel which is suitable for outdoor use. Available with next-generation LED light source, suitable for responding to diverse signalling needs on pathways or stairways. Available in different light shades, through coloured internal diffuser. Light body made of aluminium, stainless steel or machined bronze.

Power Supply

Constant voltage power supply not included, available as an accessory.
Up to 6 or 15 G-O can be installed with the recommended power sources.

Accessories

With extruded aluminium accessories for embedding in concrete walls.

Additional Information

IP65 protection grade.
Insulation class III.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria empotrada concebida para uso interior en todos sus acabados, excepto el acero inoxidable que es apto también para uso exterior. Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras. Disponible en diferentes colores de luz mediante un difusor interno coloreado. El cuerpo de la luminaria está realizado en aluminio, acero inoxidable o bronce mecanizado.

Unidades de Alimentación

Fuente de alimentación de tensión constante no incluida, disponible como accesorio.
Es posible instalar hasta 6 ó 15 G-O con las fuentes de alimentación recomendadas.

Accesorios

Dispone de accesorio para empotrar en paredes de hormigón realizado en aluminio extruido.

Información Adicional

Índice de protección IP65.
Clase de aislamiento III.
Instalable sobre superficie normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

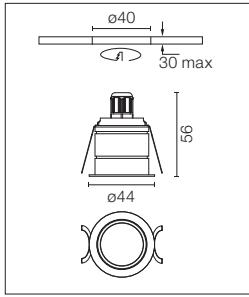
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



G - O

G-O

Light Source: Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90



Semi recessed signalling lamp for indoor use on ceiling/wall. Power supply not included. 1000 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior a techo/pared. Fuente de alimentación no incluida. Incluye cable de alimentación de 1000 mm.

Equipment for remote installation in an accesible place: it does not fit through the luminarie installation hole.

Equipo para instalación remota en lugar accesible: no cabe a través del agujero de empotramiento de la luminaria.

Recommended power supply / Equipos recomendados*:
 Non Dimmable 110-240V 60.9157 (8W)
 Non Dimmable 220-240V 60.8703 (25W)
 Dali Controler 60.8635

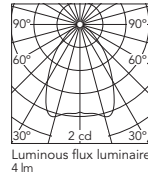
* Refer to the Drivers chapter / Ver capítulo Drivers

For Dali installation, the non-dimmable kit and the Dali controller are needed.

Para instalación Dali es necesario el equipo no dimable y el controlador Dali.

White Light/Luz Blanca

- 09.3200.30A
- 09.3200.29A
- 09.3200.55A
- 09.3200.BZA
- 09.3200.ANA



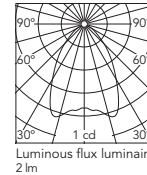
Beam Angle: 74°

h(m)	E(lx)	D(m)
1	2	1.51
2	1	3.03
3	0	4.54
4	0	6.06
5	0	7.57

Luminous flux luminaire 4 lm

Amber Light/Luz Ámbar

- 09.3201.30A
- 09.3201.29A
- 09.3201.55A
- 09.3201.BZA
- 09.3201.ANA



Beam Angle: 72°

h(m)	E(lx)	D(m)
1	1	1.46
2	0	2.92
3	0	4.38
4	0	5.85
5	0	7.31

Luminous flux luminaire 2 lm

Accessories / Accesorios

Housing for recessed installation made in anodized aluminium for outdoor installation.

Cuerpo de empotramiento realizado en aluminio anodizado para instalación en exterior.



08.8422.00

THEBLOCKOFLIGHT

DESIGNED BY KNUD HOLSCHER



LIGHT SOURCE
POWER LED
2,2W
154 lm
3000K/CRI 80

01 Matt White
01 Blanco Mate

72 Grey
72 Gris

04 Matt Black
04 Negro Mate



Description

Embedded light fixture designed for indoor or outdoor use (IP65 protection grade). Available with next-generation LED light source in response to diverse signalling needs on pathways or stairways. Front made of aluminium with finish in matt white, grey or matt black.

Power Supply

Built-in, non-regulable constant current power supply of 100/240V, 50/60Hz. 700 mA current.

Accessories

Has galvanised steel accessories for embedding in concrete walls.

Additional Information

IP65 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Luminaria empotrada concebida para uso interior o exterior (grado de protección IP65). Disponible con fuente de luz LED de última generación apta para responder a las diversas necesidades de señalizadores a lo largo de caminos de paso o escaleras. Frontal realizado en aluminio con acabado en pintura blanco mate, gris o negro mate.

Unidades de Alimentación

Fuente de alimentación de corriente constante 100/240V, 50/60Hz no regulable integrada. Alimentación a 700 mA.

Accesorios

Dispone de accesorio para empotrar en paredes de hormigón realizado en acero galvanizado.

Información Adicional

Índice de protección IP65.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

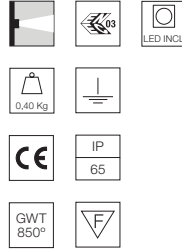
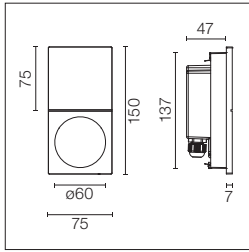
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



THEBLOCKOFLIGHT

TheBlockofLight

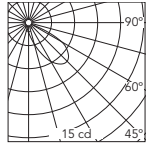
Light Source: Power LED 2,2W - 154 lm - 3000K/CRI 80



Semi-recessed signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply and 500 mm power cable included.

Luminaria de señalización semiempotrada para aplicación interior o exterior. Fuente de alimentación no regulable 100-240V, 50-60Hz integrada. Incluye cable de alimentación de 500 mm.

□ 09.3310.01C

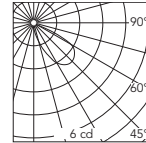


Luminous flux luminaire 85 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	15	1.79
2	4	3.58
3	2	5.37
4	1	7.16
5	1	8.95

■ 09.3310.72C

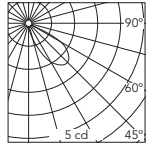


Luminous flux luminaire 50 lm

Beam Angle: 45°

h(m)	E(lx)	D(m)
1	6	1.85
2	2	3.70
3	1	5.55
4	0	7.40
5	0	9.25

■ 09.3310.04C



Luminous flux luminaire 40 lm

Beam Angle: 41°

h(m)	E(lx)	D(m)
1	5	1.64
2	1	3.28
3	1	4.92
4	0	6.55
5	0	8.19

Accessories / Accesorios

Can for embedding in concrete.

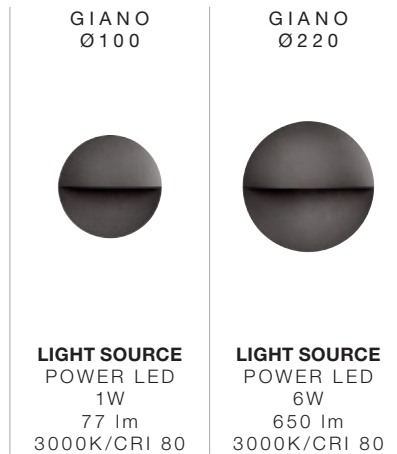
Can para empotrar en hormigón.



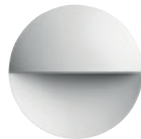
08.8423.00

GIANO

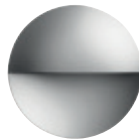
DESIGNED BY RODOLFO DORDONI



□ 01 Matt White
01 Blanco Mate
RAL 9010



■ 72 Grey
72 Gris
RAL 9006



■ 04 Matt Black
04 Negro Mate
RAL 9011



■ 18 Dark Brown
18 Marrón Oscuro



Description

Family of luminaires for both interior and exterior signaling available in two sizes 100 mm and 220 mm. Main body injected in alloy aluminium under pressure. Anti-rust paint finish made in high resistance to corrosion. It has an opal polycarbonate diffuser to obtain a uniform light.

Power Supply

Constant current non-adjustable electronic transformer 100/240V – 50/60Hz.

Accessories

Thermoplastic housing for concrete wall installation.

Additional Information

IP65 protection grade.
Insulation class I.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de luminarias de señalización para exterior e interior disponible en dos diámetros 100 mm y 220 mm. Cuerpo principal inyectado en aleación de aluminio a presión. Acabado realizado en pintura antioxidante de alta resistencia a la corrosión. Dispone de un difusor de policarbonato opal para obtener una luz uniforme.

Unidades de Alimentación

Transformador electrónico de corriente constante no regulable 100/240V - 50/60Hz.

Accesorios

Cuerpo de empotramiento realizado en plástico para instalaciones en paredes de hormigón.

Información Adicional

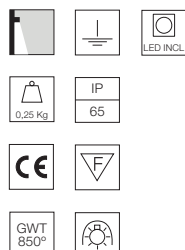
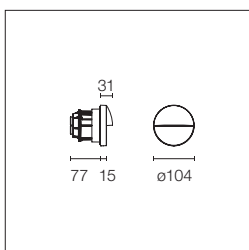
Índice de protección IP65.
Clase de aislamiento I.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.

Giano Ø100

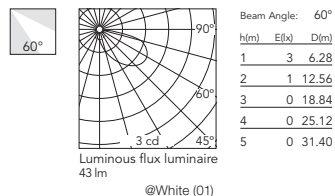
Light Source: Power LED 1W - 77 lm - 3000K/CRI 80



Recessed signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply included.

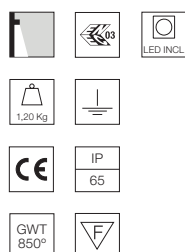
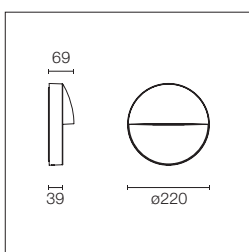
Luminaria de señalización empotrable para aplicación interior o exterior. Fuente de alimentación no regulable 100-240V, 50-60Hz integrada.

- 09.3000.01C
- 09.3000.72C
- 09.3000.04C
- 09.3000.18C



Giano Ø220

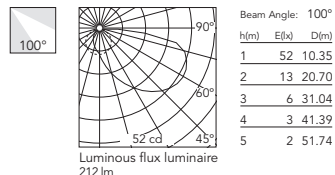
Light Source: Power LED 6W - 650 lm - 3000K/CRI 80



Surface signalling lamp for indoor or outdoor use. Non-regulable 100-240V, 50-60Hz power supply included.

Luminaria de señalización de superficie para aplicación interior o exterior. Fuente de alimentación no regulable 100-240V, 50-60Hz integrada.

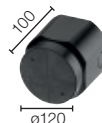
- 09.3001.01B
- 09.3001.72B
- 09.3001.04B
- 09.3001.18B



Accessories / Accesorios

Accessory for concrete instalation for Giano Ø100.

Accesorio de instalación en hormigón para Giano Ø100.



08.8261.00

BOX

DESIGNED BY PIERO LISSONI

BOX



LIGHT SOURCE
POWER LED
5W
500 lm
3000K/CRI 80

LIGHT SOURCE
TC-DEL
G24Q
18/26W

MINI BOX



LIGHT SOURCE
POWER LED
2W
110 lm
3000K/CRI 80

LIGHT SOURCE
QT-14
G9
max 25W

LIGHT SOURCE
QT-9
G4
20W

□ 01 Matt White
01 Blanco Mate
RAL 9010

■ 72 Grey
72 Gris
RAL 9006

■ 04 Matt Black
04 Negro Mate
RAL 9011

■ 18 Dark Brown
18 Marrón Oscuro



BOX

Description

Range of indoor and outdoor guidelights in two sizes: 100x100 mm and 236x256mm. Die-cast aluminum front ring. High corrosion-resistance anti-oxidizing paint. High-resistance injection-moulded engineering plastic. Polycarbonate diffuser for lamp protection. Silicone seals. Stainless steel screws. PG7 or PG11 cable glands.

Reflectors

Anodized aluminum asymmetrical reflectors painted silver with glossy finish.

Power Supply

- The LED versions incorporate an electronic transformer of last generation.
- Conventional feeding low loss unit included in fluorescence versions of and QT-9.

Accessories

Installation accessory embedded or leveled to wall for the Box and the Mini Box.

Accessory made of iron powder-coated painted with plastic reversible front. The Box/Mini Box will be leveled to wall or on surface depending on the position of the front accessory.

Additional Information

IP65 protection grade.
Insulation class I, II depending on the versions.
Suitable for installation on normally inflammable surfaces.

Standard Compliance and Quality Marks

EN60598-1 European Technical Standards and any subsequent additions.

Descripción

Familia de luminarias de señalización para exteriores e interiores disponible en dos tamaños: 100x100 mm y 236x256 mm. Cuerpo principal inyectado en aleación de aluminio a presión. Pintura antioxidante de alta resistencia a la corrosión. Cuerpo trasero inyectado en policarbonato de alta resistencia.

Difusor de policarbonato para la protección de la fuente de luz. Juntas de silicona.

Tornillos de acero inoxidable. Prensacables tipo PG7 o PG11.

Reflectores

Reflectores asimétricos de aluminio anodizado color plateado con acabado brillante.

Unidades de Alimentación

- Las versiones LED disponen de transformador electrónico de última generación incorporado.
- Unidad de alimentación convencional de muy bajas pérdidas incluida en las versiones de fluorescencia y QT-9.

Accesorios

Accesorio de instalación empotrado o enrasado a pared para el Box y el Mini Box.

Accesorio realizado en hierro pintado con pintura polvo con frontal reversible de plástico. En función de la posición del frontal del accesorio el Box/Mini Box quedará instalado enrasado en la pared o en superficie.

Información Adicional

Índice de protección IP65.
Clase de aislamiento I, II, según las versiones.
Instalable sobre superficies normalmente inflamables.

Cumplimiento de Normativa y Marcas de Calidad

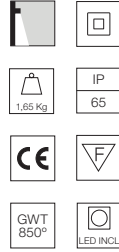
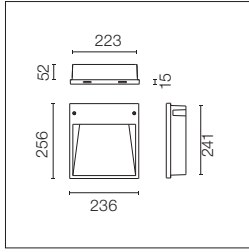
Luminaria conforme con la Normativa Técnica Europea EN60598-1 y partes segundas.



BOX

Box

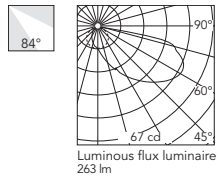
Light Source: Power LED 5W - 500 lm - 3000K/CRI 80



Semi-recessed signalling lamp for indoor or outdoor use. 220-240V, 50-60Hz non-regulable power supply included.

Luminaria de señalización semiempotrada para aplicación interior o exterior. Fuente de alimentación 220-240V, 50-60Hz no regulable integrada.

- 07.9007.01B
- 07.9007.72B
- 07.9007.04B
- 07.9007.18B

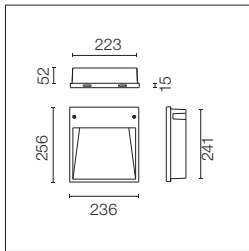


Beam Angle: 84°

h(m)	E(lx)	D(m)
1	67	5.27
2	17	10.54
3	7	15.81
4	4	21.07
5	3	26.34

Box

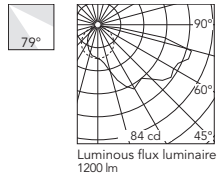
Light Source: TC-DEL G24Q - 18/26W



Recessed signalling lamp for indoor or outdoor use. Electronic control gear integrated.

Luminaria de señalización empotrable para aplicación interior o exterior. Balasto electrónico integrado.

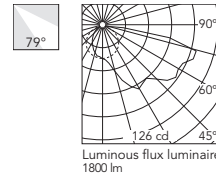
- 18W**
- 07.9000.01.E3
 - 07.9000.72.E3
 - 07.9000.04.E3
 - 07.9000.18.E3



Beam Angle: 79°

h(m)	E(lx)	D(m)
1	84	6.73
2	21	13.47
3	9	20.20
4	5	26.93
5	3	33.66

- 26W**
- 07.9001.01.E3
 - 07.9001.72.E3
 - 07.9001.04.E3
 - 07.9001.18.E3

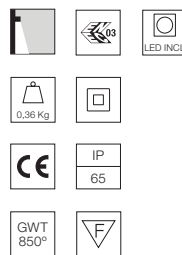
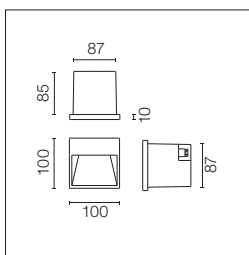


Beam Angle: 79°

h(m)	E(lx)	D(m)
1	126	6.73
2	31	13.47
3	14	20.20
4	8	26.93
5	5	33.66

Mini Box

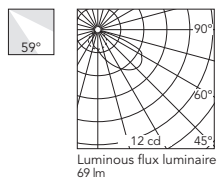
Light Source: Power LED 2W - 110 lm - 3000K/CRI 80



Semi-recessed signalling lamp for indoor or outdoor use. 100-240V, 50-60Hz non-regulable power supply included.

Luminaria de señalización semiempotrada para aplicación interior o exterior. Fuente de alimentación 100-240V, 50-60Hz no regulable integrada.

- 07.9006.01C
- 07.9006.72C
- 07.9006.04C
- 07.9006.18C



Beam Angle: 59°

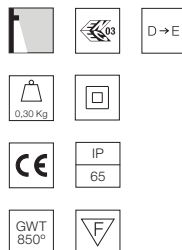
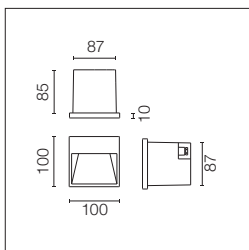
h(m)	E(lx)	D(m)
1	12	2.67
2	3	5.35
3	1	8.02
4	1	10.69
5	0	13.36

@White (01)

BOX

Mini Box

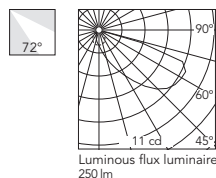
Light Source: QT-14 G9 - max 25W



Recessed signalling lamp for indoor or outdoor use. Main voltage light source.

Luminaria de señalización empotrable para aplicación interior o exterior. Alimentación directa a red.

- 07.9005.01
- 07.9005.72
- 07.9005.04
- 07.9005.18

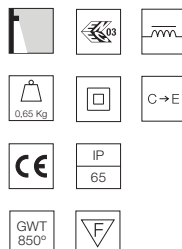
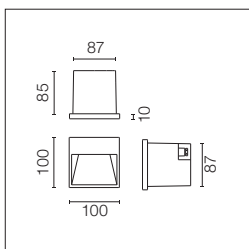


Beam Angle: 72°

h(m)	E(lx)	D(m)
1	11	3.05
2	3	6.11
3	1	9.16
4	1	12.22
5	0	15.27

Mini Box

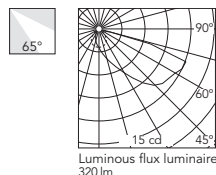
Light Source: QT-9 G4 - 20W



Recessed signalling lamp for indoor or outdoor use. Conventional transformer integrated.

Luminaria de señalización empotrable para aplicación interior o exterior. Transformador convencional integrado.

- 07.9004.01
- 07.9004.72
- 07.9004.04
- 07.9004.18



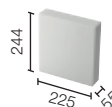
Beam Angle: 65°

h(m)	E(lx)	D(m)
1	15	3.31
2	4	6.63
3	2	9.94
4	1	13.26
5	1	16.57

Accessories / Accesorios

High density polystyrene matched die for installation on cement.

Contramolde para su instalación sobre cemento realizado en poliuretano de alta densidad.



80.1318

High density polystyrene matched die for installation on cement.

Contramolde para su instalación sobre cemento realizado en poliuretano de alta densidad.



80.1332

IP67 junction box: to be used for the power connection.

Caja de derivación estanca IP67 para facilitar la instalación eléctrica y garantizar el grado de protección.



08.8012.00

Accessory for flush wall installation for Box.

Accesorio de instalación para enrasar en la pared para el Box.



08.8256.00

Accessory for flush wall installation for Mini Box.

Accesorio de instalación para enrasar en la pared para el Mini Box.



08.8246.00

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

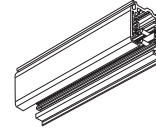
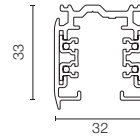
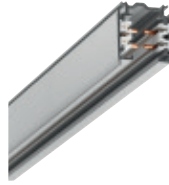
Three Phase Track

GLOBAL TRACK offers benefits for advanced installations: the main connectors are feedable and the feeding cable can be hidden under the elegant suspension accessories. GLOBAL TRACK lighting tracks are designed for easy surface mounting on ceilings and walls, or recessed mounting in suspended ceilings. Lighting tracks can be suspended at any desired height. Other advantages of the three-circuit system are its high loading capacity and the possibility of forming independent fixture groups in all three circuits. This permits illumination of the most demanding environments.

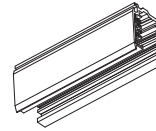
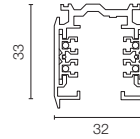
Carril Trifásico

GLOBAL TRACK ofrece ventajas para instalaciones avanzadas: los conectores principales son alimentables y el cable de alimentación puede ocultarse debajo de los elegantes accesorios de suspensión. Los carriles de iluminación GLOBAL TRACK están diseñados para facilitar su colocación superficial en paredes y techos, o empotrados en falsos techos. Los carriles pueden suspenderse a la altura deseada. Otras ventajas del sistema trifásico son su alta capacidad de carga y la posibilidad de formar grupos lumínicos independientes en cada uno de los tres circuitos. Esto permite la iluminación de los entornos más exigentes.

Surface



Surface Dali



1000 mm

- 60.3101.11
- 60.3101.29
- 60.3101.14
- Dali Version
- 60.3101.11ADA
- 60.3101.29ADA
- 60.3101.14ADA

2000 mm

- 60.3102.11
- 60.3102.29
- 60.3102.14
- Dali Version
- 60.3102.11ADA
- 60.3102.29ADA
- 60.3102.14ADA

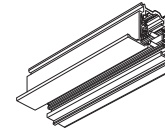
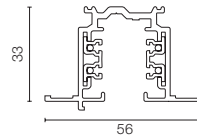
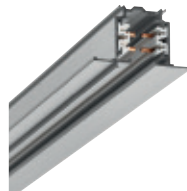
3000 mm

- 60.3103.11
- 60.3103.29
- 60.3103.14
- Dali Version
- 60.3103.11ADA
- 60.3103.29ADA
- 60.3103.14ADA

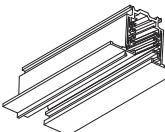
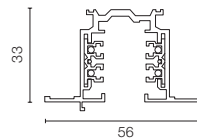
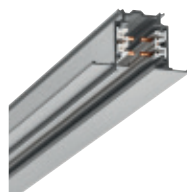
4000 mm

- 60.3104.11
- 60.3104.29
- 60.3104.14
- Dali Version
- 60.3104.11ADA
- 60.3104.29ADA
- 60.3104.14ADA

Recessed



Recessed Dali



1000 mm

- 60.3810.11
- 60.3810.29
- 60.3810.14
- Dali Version
- 60.3810.11ADA
- 60.3810.29ADA
- 60.3810.14ADA

2000 mm

- 60.3820.11
- 60.3820.29
- 60.3820.14
- Dali Version
- 60.3820.11ADA
- 60.3820.29ADA
- 60.3820.14ADA

3000 mm

- 60.3830.11
- 60.3830.29
- 60.3830.14
- Dali Version
- 60.3830.11ADA
- 60.3830.29ADA
- 60.3830.14ADA

4000 mm

- 60.3840.11
- 60.3840.29
- 60.3840.14
- Dali Version
- 60.3840.11ADA
- 60.3840.29ADA
- 60.3840.14ADA

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

Rigid rod to avoid the profile from tilting (rectilinear structures without corners) or to be installed in places where a more rigid fixing system is required.
Varillas rígidas para evitar la inclinación del perfil (estructuras rectilíneas sin esquinas) o para instalaciones donde se requiere sistema de fijación más rígido.

Suspension rod with 1000mm rose. m6 thread.



60.3014.11
60.3014.14

Varilla de suspensión con rosetón 1000 mm con fileteado m6.

1000 mm suspension rod extension set m6 thread.



60.3097.11
60.3097.14

Extensión para varilla de suspensión 1000 mm con fileteado m6.

Flexible suspension kit.



60.3008.11
60.3008.14

Kit de suspensión flexible.

Ceiling fitting with rose.



60.3094.11
60.3094.14

Conexión de techo con rosetón.

Attachment on track for rod suspension m6 thread.



60.3018.11
60.3018.14

Fijación a carril para suspensión con varilla con fileteado m6.

A steel cable is recommended if the structure, because of its dimensions, is stable and includes one or more angles, since in these structures the track does not tilt even if the weight of the luminaries is not balanced.

Cable de acero recomendado si la estructura por sus dimensiones está equilibrada, es estable e incluye una o más esquinas, ya que en estas estructuras el carril no se inclina, aunque no se equilibre el peso de las luminarias.

Lead-weighted wire without rose and ceiling fitting.



1500 mm
60.3095.29
3000 mm
60.3096.29

Cable de suspensión con plomo sin rosetón a techo.

Bracket for track fixing wall/ceiling or suspension with lead-weighted wire.



60.3025.11
60.3025.14
60.3025.29

Fijación a techo/pared o para cable de suspensión con plomo.

Bracket for fixing track to wall or ceiling.



60.3093.29

Fijación del carril a techo/pared lateral.

Attachment on track for wire suspension.



60.3057.11
60.3057.29

Fijación a carril para suspensión con cable.

Complete wall support 70mm.



60.3083.29

Soporte a pared completo con brazo 70mm.

Track cover strip L 3000mm.



60.3090.11

Cubre conductores 3000mm.

Power supply rose cover.



60.3092.11

Rosetón cubre alimentación.

Cover for power supply connectors recessed track.



60.3053.11
60.3053.14
Dali Version

Tapa para conexión de alimentación en los carriles empotrables.

Cover for connectors.



60.3091.11
60.3091.14
Dali Version

Tapa para las conexiones.

60.3146.11
60.3146.14

* Live end right.



60.3038.11
60.3038.14
60.3038.12
Dali Version
60.3038.11ADA
60.3038.14ADA
60.3038.12ADA

Conector alimentación derecha.

* Live end left.



60.3039.11
60.3039.14
60.3039.12
Dali Version
60.3039.11ADA
60.3039.14ADA
60.3039.12ADA

Conector alimentación izquierda.

* Feeding possible / Posibles puntos de alimentación.

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

Straght connector.



60.3044.11
 60.3044.14
 60.3044.12
 Dali Version
 60.3044.11ADA
 60.3044.14ADA
 60.3044.12ADA

Conector lineal.

* Cross coupling.



60.3036.11
 60.3036.14
 60.3036.29
 Dali Version
 60.3036.11ADA
 60.3036.14ADA
 60.3036.29ADA

Conexión en cruz.

* Mean connector.



60.3043.11
 60.3043.14
 60.3043.29
 Dali Version
 60.3043.11ADA
 60.3043.14ADA
 60.3043.29ADA

Conector alimentación central.

Blind end.



60.3016.11
 60.3016.14
 60.3016.12

Terminal de cierre.

* Connector 90°.



Inside/Interior
 60.3029.11
 60.3029.14
 60.3029.29
 Dali Version
 60.3029.11ADA
 60.3029.14ADA
 60.3029.29ADA

Conector 90°.

Outside/Exterior
 60.3028.11
 60.3028.14
 60.3028.29
 Dali Version
 60.3028.11ADA
 60.3028.14ADA
 60.3028.29ADA

DALI flexible couple.



60.3037.11
 60.3037.14
 60.3037.29
 Dali Version

Conexión flexible DALI.

60.3037.11ADA
 60.3037.14ADA
 60.3037.29ADA

* Connector 90°.



Inside/Interior
 60.3029.11
 60.3029.14
 60.3029.29
 Dali Version
 60.3029.11ADA
 60.3029.14ADA
 60.3029.29ADA

Conector 90°.

Outside/Exterior
 60.3028.11
 60.3028.14
 60.3028.29
 Dali Version
 60.3028.11ADA
 60.3028.14ADA
 60.3028.29ADA

Corner adjustable connector.



60.3046.11
 60.3046.14
 60.3046.29

Conexión articulada.

Recessed box for fix-point.



60.3022.11
 60.3022.14

Base empotrable para proyector.

* Connector T - inside.



Right/Derecha
 60.3047.11
 60.3047.14
 60.3047.29
 Dali Version
 60.3047.11ADA
 60.3047.14ADA
 60.3047.29ADA

Conexión en T - interior.

Left/Izquierda
 60.3048.11
 60.3048.14
 60.3048.29
 Dali Version
 60.3048.11ADA
 60.3048.14ADA
 60.3048.29ADA

Fix-point.



60.3023.11
 60.3023.14
 60.3023.29

Base de superficie para proyector.

Lead bending key.



60.3054

Llave para la manipulación de los conductores.

* Conector T - outside.



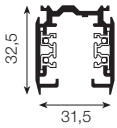
Right/Derecha
 60.3049.11
 60.3049.14
 60.3049.29
 Left/Izquierda
 60.3051.11
 60.3051.14
 60.3051.29

Conexión en T - exterior.

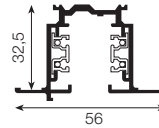
* Feeding possible / Posibles puntos de alimentación.

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

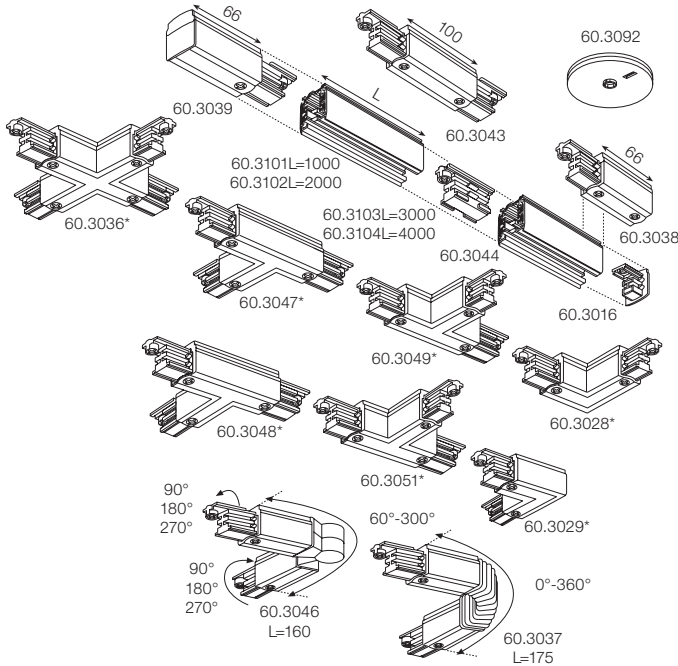
Installation Instructions for the Three-Phase Tracks / Instrucciones para la Instalación de los Carriles Trifásicos (3P+N+PE) Un 400v, In 16A, 50Hz, Clase I, IP 20



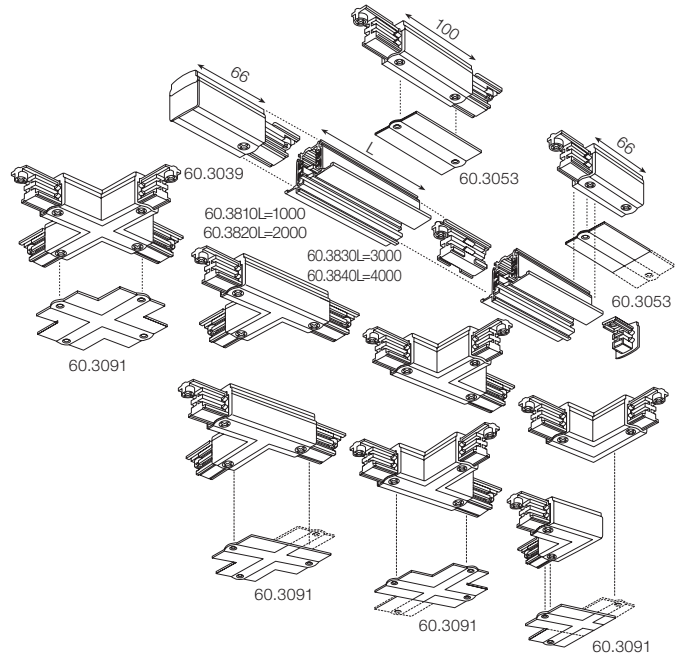
The position of the neutral lead is shown by the thick line.
La posición lateral del conductor neutro viene indicada por una línea larga.



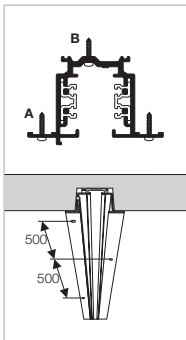
The position of the neutral lead is shown by the thick line.
La posición del conductor neutro viene indicada por una línea larga.



*Can be used as a power supply point / Puede ser usado como punto de alimentación

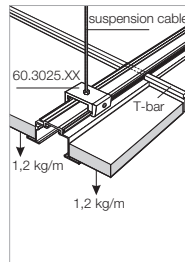


Mounting in a groove in the ceiling Montaje en ranura en el techo



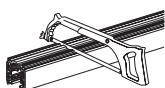
- tracks can be fixed through the flanges (A) or through the track bottom (B).
- manner A: with screws \varnothing 3,0 - 4,5, at distance of 500mm.
- manner B: with flat head screws \varnothing 3,0, supporting distance 1000mm-max. load 20 kg/m.
- los carriles se pueden fijar a través de las bridas (A) o a través de la parte inferior del carril (B).
- opción A: con tornillos \varnothing 3,0 - 4,5, a una distancia de 500 mm.
- opción B: con tornillos de cabeza plana \varnothing 3,0, distancia de apoyo 1000 mm-máx. carga 20 kg / m.

Mounting in suspended ceilings Montaje en techos suspendidos

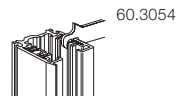


- with clamps 60.3025.XX.
- the ceiling plate structure must be easy to demount, the plates and the tracks are not fixed onto each others.
- hanging at max. 1000mm distance.
- plate load max. 1,2 kg/m per track flange.
- track hanging load max. 10 kg / hanging distance.
- con abrazaderas 60.3025.XX.
- la estructura de la placa del techo debe ser fácil de desmontar, las placas y los carriles no se fijan entre ellos.
- suspensión como máximo a 1000 mm de distancia.
- carga máx. de la placa 1,2 kg / m por brida en el carril.
- carga máx. de suspensión del carril 10 kg / distancia de suspensión.

Cutting Track / Corte de los Carriles a Medida



1 . Cutting the track
1 . Corte del carril



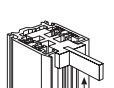
2 . Positioning bending key in the track
2 . Posicione la llave de manipulación del carril



3 . Lead bending
3 . Pliegue de los conductores



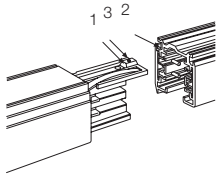
4 . Bent leads
4 . Conductores plegados



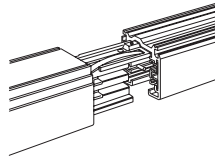
5 . Bent leads control
5 . Control del pliegue de los conductores

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

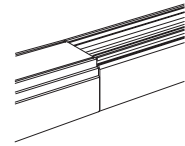
Connector Installation / Instalación de las Conexiones



1 . Guide flap
1 . Lengüeta de guía

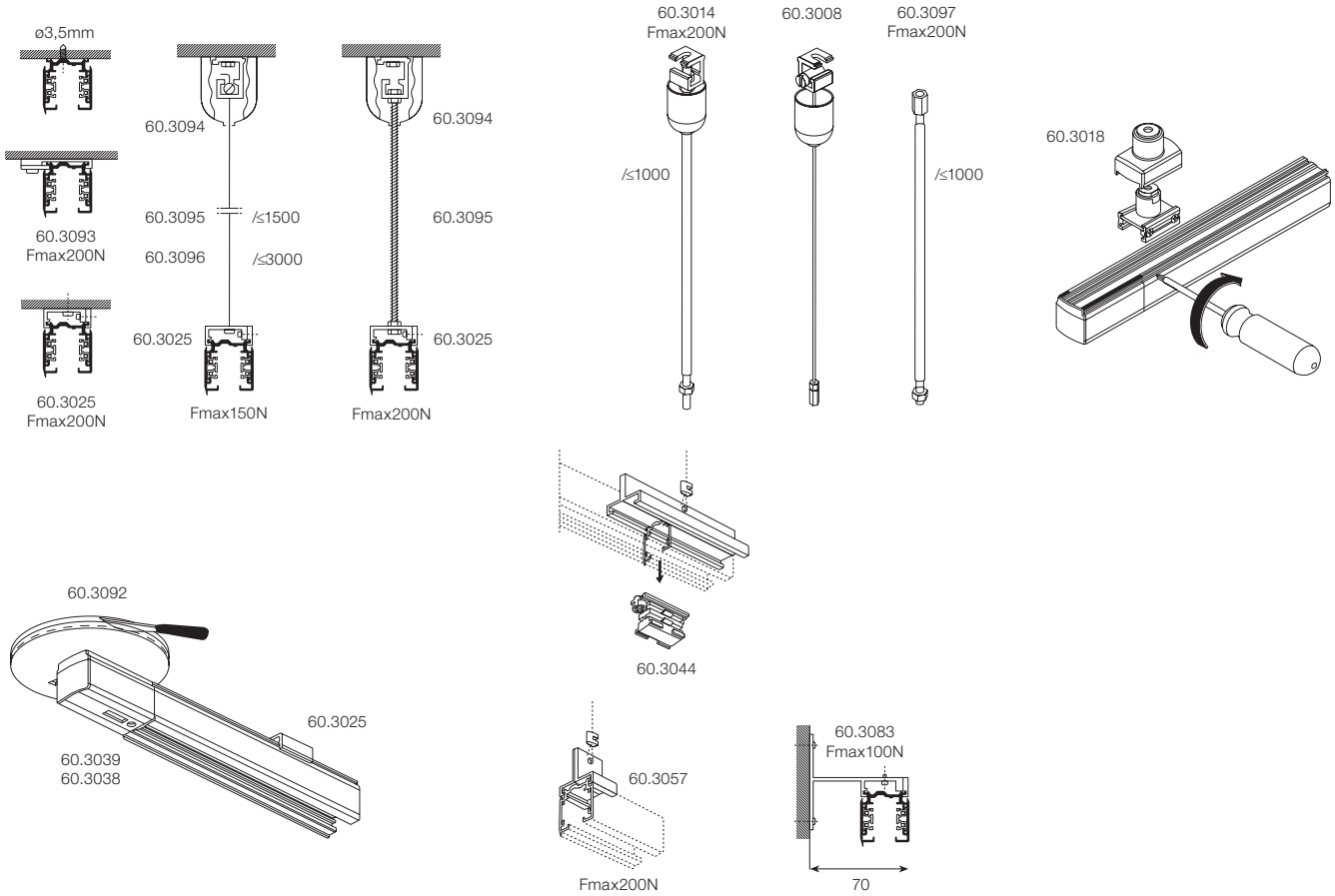


2 . Canal
2 . Guía



3 . Pressure fixing
3 . Fijación a presión

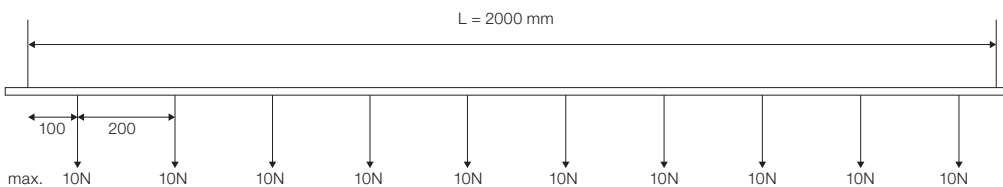
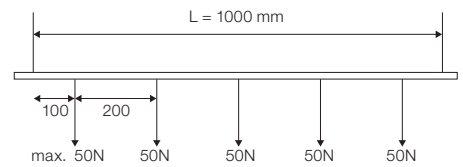
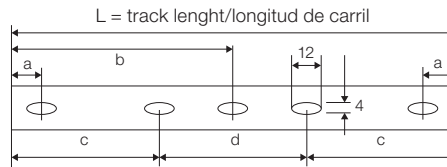
Fixing the Track and Load Capacity / Fijación del Carril y Capacidad de Carga



Fastening Distance and Loading Capacity
Recommended fastening distance L=1000mm.
The tracks have fastening holes.

Distancia de Anclaje y Capacidad
La distancia de anclaje recomendada es L=1000mm.

Los carriles van equipados con agujeros de anclaje.



L mm	a mm	b mm	c mm	d mm
1000	250	1000		
2000	250	1000	1000	1000
3000	250	1000	1500	1000
4000	250	1000	1500	1000

THREE PHASE TRACKS / CARRILES TRIFÁSICOS

Planning Information

When you install the track, you have to choose on which side you wish to have the ridge. The ridge will tell you which accessories to use with. Have a look at the following figures where the dotted line indicates the ridge on the track.

If you have only one track, you can choose on which side you connect it and use the corresponding parts. Figure 1. Track of length 1 mt. with end feed (A) and its mirror image (B).

Figure 2. Shows two different cases. You will notice that the ridge can be either inside or outside the installation system. You can use respectively either (C) & (D) or (E) & (F).

If the ridge is outside, first case, you have to use the T connector (C) with its mirror image (D). The L connectors are then the same for each corner, (H). Inversely, if you have the ridge inside, second case, you will have to use the T connector (E) with its mirror image (F). The corresponding L connector is in this case (I).

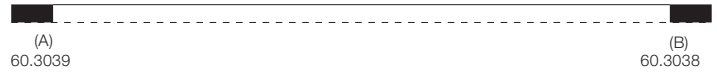
Notas para el Proyecto

La posición lateral del conductor de tierra hace la estructura de los carriles asimétrica, por lo que los accesorios de conexión deberán ser los correspondientes para cada caso. En las figuras que se presentan a continuación, la línea punteada indica la posición del conductor de tierra.

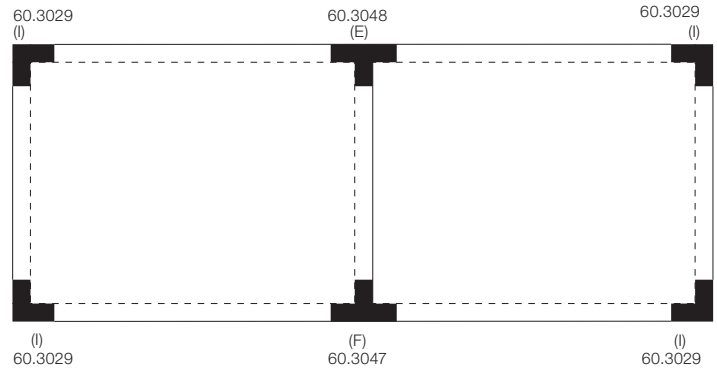
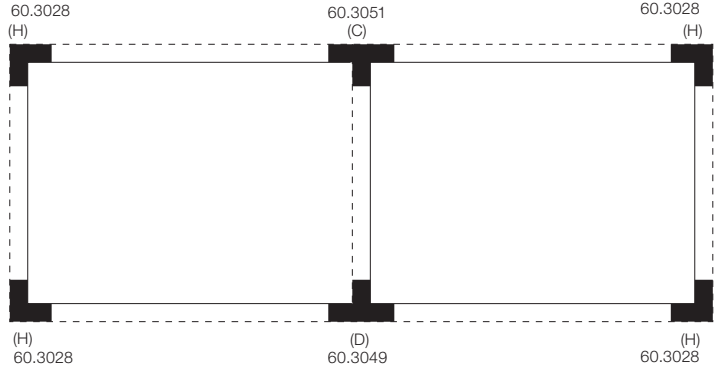
Figura 1. Carril con toma de alimentación (A) y toma de alimentación (B).

Figura 2. Si el conductor de tierra es exterior - primer caso - deben de usarse las conexiones, en T, (C) con las conexiones (D) correspondientes. Las conexiones en L deberán de ser las mismas para cada esquina, (H). Si, en cambio, el conductor de tierra es interior - segundo caso - deberán de utilizarse las conexiones, en T, (E), con las conexiones (F) correspondientes. Las conexiones en L en este caso serán los (I).

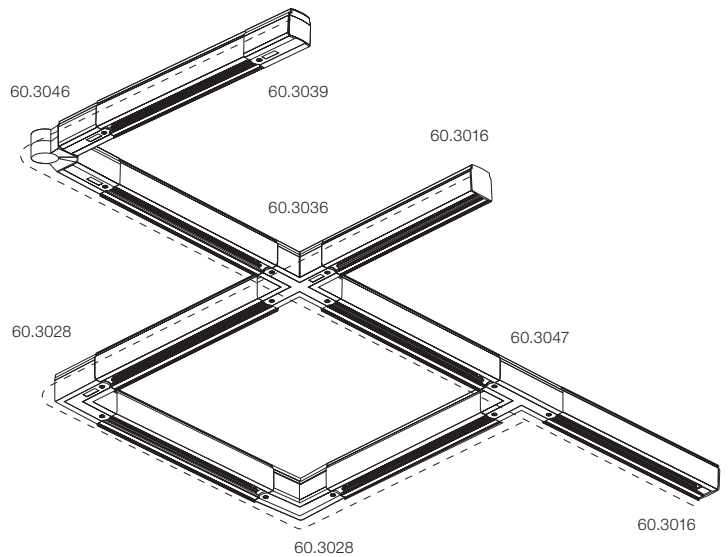
1.



2.


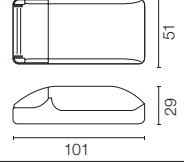

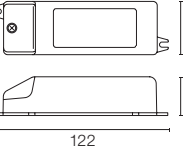

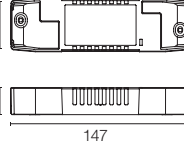

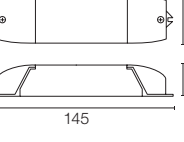

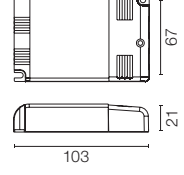

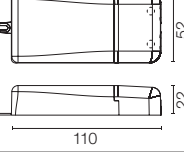

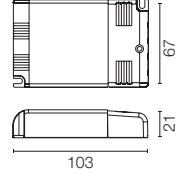

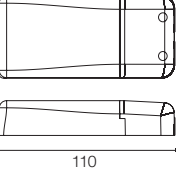

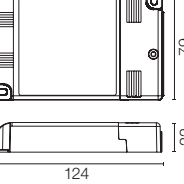


Example / Ejemplo



DRIVERS / EQUIPOS

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

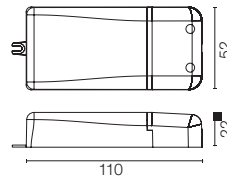
<p>Non dimmable continuous current power supply. 350mA - 17,5W / 500mA - 20W / 700mA - 20W - 220/240V - 50/60Hz.</p>	<p>Fuente de alimentación de corriente constante. 350mA - 17,5W / 500mA - 20W / 700mA - 20W - 220/240V - 50/60Hz. No regulable.</p>			<p>60.9312</p>
<p>Non dimmable continuous current power supply.</p>	<p>Fuente de alimentación de corriente constante no regulable.</p>			<p>17W / 700 mA *60.8655 20W / 500 mA *60.8650 22W / 1050 mA *60.8670 *110V = 12W</p>
<p>Non dimmable continuous current power supply. 15-30W, 220/240V -50/60Hz with power current selected through adjustable switch. 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W no regulable.</p>	<p>Fuente de alimentación de corriente constante 15-30W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 15W / 400mA - 17W / 450mA - 19W / 500mA - 22W / 550mA - 24W / 600mA - 26W / 650mA - 28W / 700mA - 30W no regulable.</p>			<p>60.9592</p>
<p>Non dimmable continuous current power supply of 25W, 110/240V - 50/60Hz with power current selected through adjustable 350mA - 12W / 500mA - 15W / 700 mA - 25W (18W*) switch. *110V.</p>	<p>Fuente de alimentación de corriente constante 25W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 12W / 500mA - 15W / 700 mA - 25W (18W*) no regulable. *110V.</p>			<p>60.8437</p>
<p>Non dimmable continuous current power supply of 110*/240V 32W, with power current selected through adjustable 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W. (*15W) switch.</p>	<p>Fuente de alimentación de corriente constante 110*/240V 32W, con corriente de alimentación seleccionable mediante switch 350 mA-17W /500 mA-24W /700 mA-32W /900 mA - 32W. (*15W) no regulable.</p>			<p>60.9233</p>
<p>Non dimmable continuous current power supply of 15-20W, 110*/240V - 50/60Hz, with power current selected through adjustable 350 mA-15W /500 mA / /550 / 700 / 850 mA / 900 mA - 20W switch. (*15W).</p>	<p>Fuente de alimentación de corriente constante 15-20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-15W /500 mA / /550 / 700 / 850 mA / 900 mA - 20W. No regulable. (*15W).</p>			<p>60.8911</p>
<p>Continuous current power supply of 25W, 110*/240V - 50/60Hz with power current selected through adjustable 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W switch. 1-10V or push dimming, synchronisation cables not included. (*15W).</p>	<p>Fuente de alimentación de corriente constante 25W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA-18W / 400 mA - 21W / 500mA - 25W /600mA - 30W /700/750/900 mA - 32W regulable. 1-10V o push dimming, requiere cables de sincronización no incluidos. (*15W).</p>			<p>60.8533</p>
<p>Continuous current power supply of max 20W, 110*/240V - 50/60Hz with power current selected through adjustable 350 mA - 15W /500/550/700/850/900 mA - 20W switch. 0/1-10V or push dimming, synchronisation cables not included. (*15W)</p>	<p>Fuente de alimentación de corriente constante max 20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA - 15W /500/550/700/850/900 mA - 20W regulable. 0/1-10V o push dimming, requiere cables de sincronización no incluidos. (*15W)</p>			<p>60.8668</p>
<p>Continuous current power supply of 25-50W, 110*/240V - 50/60Hz with power current selected through adjustable 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W switch. Dalí 2, 0/1-10V or push dimming, synchronisation cables not included. (*Max 40W)</p>	<p>Fuente de alimentación de corriente constante 25-50W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 25W /500mA - 35W/ 700mA - 50W /750mA - 54W /900/ 1050 mA - 60W regulable. Dalí 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos. (*Max 40W)</p>			<p>60.8530</p>

DRIVERS / EQUIPOS

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Continuous current power supply of 13-20W, 110*/240V - 50/60Hz with power current selected through adjustable 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650 /700/750/800/850/900 mA - 15W. switch. 0/1-10V or push dimming, synchronisation cables not included. *Max 15W.

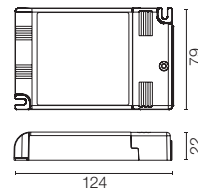
Fuente de alimentación de corriente constante 13-20W, 110*/240V -50/60Hz con corriente de alimentación seleccionable mediante switch 300 mA - 15W / 350 mA - 18W / 400/450/500/550/600/650/700/750/800/850/900 mA - 15W. 0/1-10V o push dimming, requiere cables de sincronización no incluidos. *Max 15W.



60.9188

Continuous current power supply of 30-50W, 110*/240V - 50/60Hz with power current selected through adjustable 300mA - 34W /350 mA -39W /400 mA - 45W /450 - mA - 50W /500 mA - 56W /550/600/650/700mA - 60W switch. Dali1, Dali 2, 0/1-10V or push dimming, synchronisation cables not included. *Max. 40W.

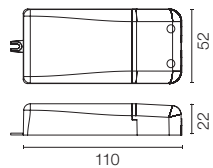
Fuente de alimentación de corriente constante 30-50W, 110*/240V -50/60Hz con corriente de alimentación seleccionable mediante switch 300mA - 34W /350 mA -39W /400 mA - 45W /450 - mA - 50W /500 mA - 56W /550/600/650/700mA - 60W regulable. Dali 1, Dali 2, 0/1-10V o push dimming, requiere cables de sincronización no incluidos. *Max. 40W.



60.8837

Continuous current power supply of 12-20W, 110*/240V - 50/60Hz with power current selected through adjustable 350mA - 17W / 400mA - 19W / 450 / 500 / 550 / 600 / 700mA - 20W regulable Dali 1 y Dali 2. *Max 15W.

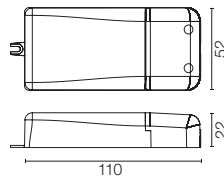
Fuente de alimentación de corriente constante 12-20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 400mA - 19W / 450 / 500 / 550 / 600 / 700mA - 20W regulable Dali 1 y Dali 2. *Max 15W.



60.9222

Continuous current power supply of 10-20W, 110*/240V - 50/60Hz with power current selected through adjustable 250 mA - 10W / 350 mA - 15W /400 mA - 17W /450 mA - 19W /500/550/600/700 mA - 20W, Dali 1 switch. *Max. 15W.

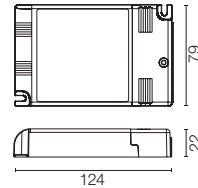
Fuente de alimentación de corriente constante 10-20W, 110*/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 250 mA - 10W / 350 mA - 15W /400 mA - 17W /450 mA - 19W /500/550/600/700 mA - 20W regulable Dali 1. *Max 15W.



60.8847

Continuous current power supply of 20-40W, 110/240V - 50/60Hz with power current selected through adjustable 350 mA -18,5W / 400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W switch. Dali 1, 0/1-10V or push dimming, synchronisation cables not included.

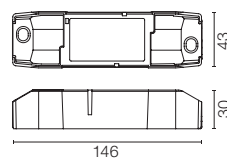
Fuente de alimentación de corriente constante 20-40W, 110/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA - 18,5W /400 mA - 21W / 500 mA - 26,5W / 600 mA - 31,5W /650 mA -34,5W /700 mA -37W /750 mA - 39,5W /800/850/900/950/1000/1050/1200 mA - 40W regulable. Dali 1, 0/1-10V o push dimming, requiere cables de sincronización no incluidos.



60.9276

Continuous current power supply of 13-42W, 220/240V - 50/60Hz with power current selected through adjustable 300 mA - 13W / 350 mA - 15W / 400 mA - 18W / 450 mA - 20W / 500 mA - 22W / 550 mA - 24W / 600 mA - 27W / 650 mA - 29W / 700 mA - 31W / 750 mA - 32W / 800 mA - 33W / 850 mA - 35W / 900 mA -38W / 950 mA - 40W / 1000/1050 mA - 42W switch.

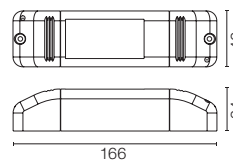
Fuente de alimentación de corriente constante 13-42W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 300 mA - 13W / 350 mA - 15W / 400 mA - 18W / 450 mA - 20W / 500 mA - 22W / 550 mA - 24W / 600 mA - 27W / 650 mA - 29W / 700 mA - 31W / 750 mA - 32W / 800 mA - 33W / 850 mA - 35W / 900 mA -38W / 950 mA - 40W / 1000/1050 mA - 42W.



60.9162

Continuous current power supply of 17/24/32W, 220/240V - 50/60Hz with power current selected through adjustable 350 mA -17W / 500 mA - 24W / 700 mA - 32W switch.

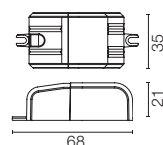
Fuente de alimentación de corriente constante 17/24/32W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350 mA -17W / 500 mA - 24W / 700 mA - 32W.



60.8656

Continuous current power supply of 6W, 100/240V - 50/60Hz with 500 mA supply voltage.

Fuente de alimentación de corriente constante 6W, 100/240V - 50/60Hz con corriente de alimentación 500 mA.



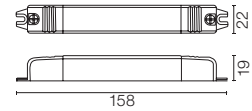
60.8654

DRIVERS / EQUIPOS

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Continuous current power supply of 6W, 100V / 14W, 240V - 50/60Hz with 500 mA supply voltage.

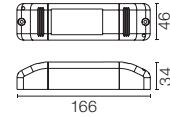
Fuente de alimentación de corriente constante 6W, 100V / 14W, 240V - 50/60Hz con corriente de alimentación 500 mA.



60.8880

Continuous current power supply of 7,2-24W, 220/240V - 50/60Hz with power current selected through adjustable 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W switch. Mains or push dimming.

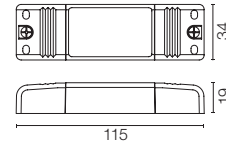
Fuente de alimentación de corriente constante 7,2-24W, 220/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 150 mA - 7,2W /200 mA - 9,5W /250 mA - 12W /300 mA -14,5W /350 mA -17W/400 mA - 19,5W /450 mA -21,5W /500 mA - 24W regulable. Mains o push dimming.



60.9421

Continuous current power supply of 10W, 110V / 12W, 240V - 50/60Hz with 700 mA supply voltage.

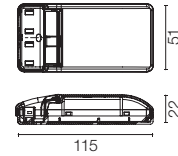
Fuente de alimentación de corriente constante 10W, 110V / 12W, 240V - 50/60Hz con corriente de alimentación 700 mA.



60.8529

Continuous current power supply of 18W, 220/240V - 50/60Hz with 450 mA supply voltage Mains dimming, trailing edge.

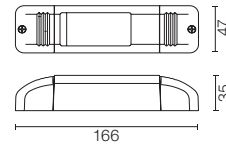
Fuente de alimentación de corriente constante 18W, 220/240V - 50/60Hz con corriente de alimentación 450 mA Mains dimming, trailing edge.



60.9268

Continuous current power supply of 32W, 230/240V - 50/60Hz with power current selected through adjustable 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W switch by trailing and leading edge dimming, mains dimming or push dimming.

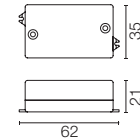
Fuente de alimentación de corriente constante 32W, 230/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 350mA - 17W / 500mA - 24W / 700/ 750 mA - 32W regulable mediante trailing and leading edge dimming, mains dimming o push dimming.



60.8534

Electronic transformer with constant voltage (24V) for LED. 8W, 220/240V, 50/60Hz.

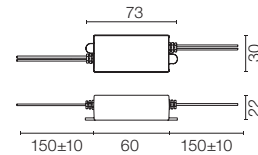
Transformador electrónico de tensión constante (24V) para LED. 8W, 220/240V, 50/60Hz.



60.8079

Electronic transformer with constant voltage (24V) for LED. 8W, 110/240V, 50/60Hz.

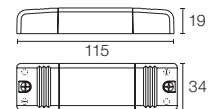
Transformador electrónico de tensión constante (24V) para LED. 8W, 110/240V, 50/60Hz.



60.9157

Constant voltage supply source of 10W, 100-240V - 50/60Hz with non adjustable 250 mA supply voltage.

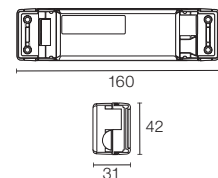
Fuente de alimentación de corriente constante 10W, 100-240V - 50/60Hz con corriente de alimentación 250 mA No regulable



60.9389

Constant voltage supply source of 20W, 100-240V - 50/60Hz with adjustable 250 mA supply voltage.

Fuente de alimentación de corriente constante 20W, 100-240V - 50/60Hz con corriente de alimentación 250 mA regulable.



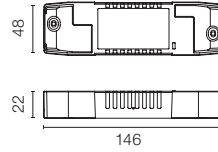
0-10V
60.9405
Dali
60.9601

DRIVERS / EQUIPOS

Constant Current Power Supply for LED / Fuente de Alimentación de Corriente Constante para LED

Non dimmable continuous current power supply of 220/240V - 50/60Hz with power current selected through adjustable with switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.

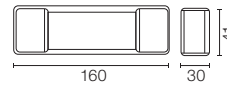
Fuente de alimentación no regulable, de corriente constante 200/240V - 50/60Hz con corriente de alimentación seleccionable mediante switch 200 mA - 8,5W / 300 mA - 13W / 350 mA - 15W / 400 mA - 17,5W / 450 mA - 19,5W / 500 mA - 22W.



60.9160

Continuous current power supply, 0-10V dimmable, 220/240V - 50/60Hz, 200mA - 20W.

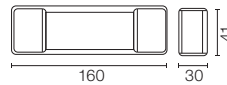
Fuente de alimentación de corriente constante, regulable 0-10V, 220/240V - 50/60Hz, 200mA - 20W.



60.9483

Continuous current power supply, dimmable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.

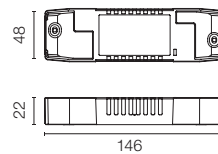
Fuente de alimentación de corriente constante, regulable Dali 2, 220/240V - 50/60Hz, 200mA - 20W.



60.9604

Continuous current power supply, 0/1-10V dimmable, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W / 700/750/800/900/1000/1050 mA - 36W.

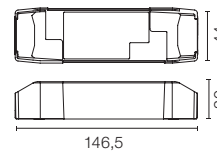
Fuente de alimentación de corriente constante, regulable 0/1-10V, 220/240V - 50/60Hz, 300 mA - 16W / 350 mA - 18W / 400 mA - 21W / 500 mA - 27W / 600 mA - 32W / 650 mA - 35W / 700/750/800/900/1000/1050 mA - 36W.



60.9439

Continuous current supply source of 240V - 50/60Hz with dimmable Dali 2, push dimming, 300mA - 16W / 350mA - 18W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700/750/800/900/1000/1050 mA - 36W.

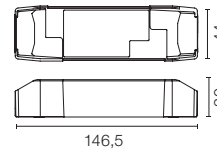
Fuente de alimentación de corriente constante, 240V - 50/60Hz con corriente de alimentación 300mA - 16W / 350mA - 18W / 400mA - 21W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700/750/800/900/1000/1050 mA - 36W regulable Dali 2, push dimming.



60.9186

Continuous current power supply, dimmable Casambi, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700 mA - 36W / 750/800/900/1000/1050 mA - 38W.

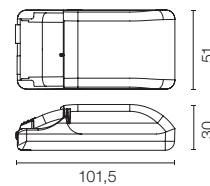
Fuente de alimentación de corriente constante, regulable Casambi, 220/240V - 50/60Hz, 300mA - 16W / 350mA - 18,5W / 400mA - 21,5W / 450 mA - 24W / 500mA - 27W / 600mA - 32W / 650 mA - 35W 700 mA - 36W / 750/800/900/1000/1050 mA - 38W.



60.9207

Continuous current power supply, 1-10V, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 500mA - 10W.

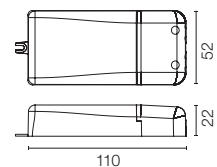
Fuente de alimentación de corriente constante, 1-10V, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 500mA - 10W.



60.9411

Continuous current power supply, Mains dimming, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.

Fuente de alimentación de corriente constante, regulable Mains, leading & trailing edge 220/240V - 50/60Hz, 300mA - 14W / 350 mA - 17W / 400 mA - 19W / 450/500/600/650/700/750/800/900 mA - 20W.



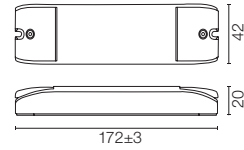
60.9467

DRIVERS / EQUIPOS

Constant Voltage Power Source for LED / Fuente de Alimentación de Tensión Constante para LED

Dimmable Dali control unit with 1 channel for 24V LED modules. Power supply not included.

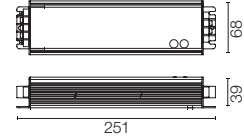
Unidad de control dimable Dali de 1 canal para la regulación de módulos LED, para equipos de 24V. No incluye fuente de alimentación.



60.8635

LED power supply source for remote installation in 24V/240W electric control panel. 100/240V.

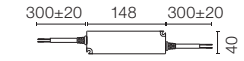
Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/240W. 100/240V.



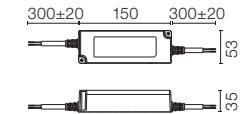
60.8268

Electronic transformer with constant voltage (24V) for LED. 100/240V.

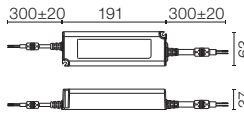
Transformador electrónico de tensión constante (24V) para LED. 100/240V.



25W
60.8703



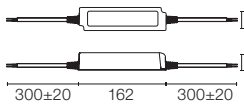
60W
60.9089



120W
60.9407

Electronic transformer with constant voltage (24V) for LED. 60W. 100/240V. For independent use.

Transformador electrónico de tensión constante (24V) para LED. 60W. 100/240V. Para uso independiente.

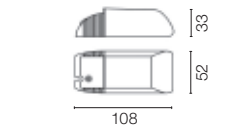


60.8515

12V / 24V Electronic Transformer / Transformador Electrónico 12V / 24V

12V electronic transformer. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge".

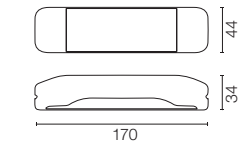
Transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente).



35-105W
60.9424

12V electronic transformer. 230/240V, 50-225W.

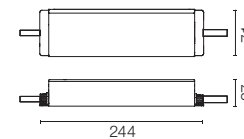
Transformador electrónico 12V. 230/240V, 50-225W.



60.8364

LED power supply source for remote installation in 24V/200W electric control panel. To avoid problems of overload it is recommended to install a power source every 185W. 100/240V.

Fuente de alimentación LED para instalación remota en cuadro eléctrico 24V/200W. Para evitar problemas de sobrecarga se recomienda instalar una fuente de alimentación cada 185W. 100/240V.

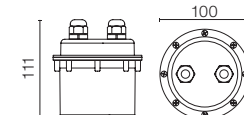


60.9352

12V Conventional Transformer / Transformador Ferromagnético 12V

12V conventional transformer. 230V - 50/60Hz. IP67. Primary wire: 75 cm, secondary wire: 145 cm.

Transformador ferromagnético 12V. 230V - 50/60Hz. IP67. Cable primario: 75 cm, cable secundario: 145 cm.







50W
60.8311



DRIVERS / EQUIPOS



Ref	L max(m) 1.5mm ²	L max(m) 2.5mm ²
60.8079	5	N/A
60.8268	2	3,5
60.8311	5	8,5
60.8364	1	1,5
60.8437	20	50
60.8515	5	N/A
60.8529	20	50
60.8530	10	15
60.8533	10	15
60.8534	10	15
60.8629	50	50
60.8635	5	8
60.8650	50	50
60.8654	20	50
60.8655	20	50
60.8656	20	50
60.8668	10	15
60.8670	20	30
60.8689	50	50
60.8703	5	N/A
60.8837	10	15
60.8847	10	15
60.8880	50	50
60.8911	20	50
60.9089	5	N/A
60.9157	5	N/A
60.9160	10	15
60.9162	20	30
60.9186	10	15
60.9188	10	15
60.9207	10	15
60.9222	10	15
60.9233	20	50
60.9268	15	15
60.9276	10	15
60.9312	20	50
60.9352	2,5	4
60.9389	6	15
60.9405	6	15
60.9407	5	10
60.9411	5	10
60.9421	20	50
60.9424	5	8
60.9439	2,5	4
60.9467	10	15
60.9483	2,5	4
60.9592	10	15
60.9601	20	50
60.9604	2,5	4



LIGHT SOURCES / FUENTES DE LUZ



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 LED QR-CBC 51	24°	6,5	3000	12	A+	60.6990
	36°	6,5	3000	12	A+	60.6992
	24°	8	3000	12	A	
 BASE GX5.3 12V						



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QR-CBC 51	38°	20	3000	12	B	Frosted BU19
	38°	35	3000	12	B	BU20
	60°	50	3000	12	B	BU21
 BASE GX5.3 12V						Clear 60.6392
	10°	20	3000	12	B	60.6393
	24°	20	3000	12	B	60.6394
	36°	20	3000	12	B	60.6395
	60°	20	3000	12	B	60.6395
	24°	35	3000	12	B	60.6355
	36°	35	3000	12	B	60.6356
	60°	35	3000	12	B	60.6357
	36°	50	3000	12	B	60.6360
	60°	50	3000	12	B	60.6361



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 LED QR-C 38	42°	6	2700	12	A	BU95
 BASE B15d 12V						



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QR-111	24°	35	3000	12	C	60.6398
	6°	50	3000	12	B	60.6989
 BASE G53 12V	8°	30	3000	12	C	60.6862
	24°	50	3000	12	C	60.6374
	45°	45	3000	12	C	60.6861
	8°	60	3000	12	C	60.6863
	24°	60	3000	12	C	60.6864
	24°	50	3000	12	C	60.6450 ^{IRC}
	24°	35	3000	12	C	60.6452 ^{IRC}
	24°	65	3000	12	C	60.6454 ^{IRC}
	8°	65	3000	12	C	60.6455 ^{IRC}
	45°	45	3000	12	C	60.6456 ^{IRC}
24°	45	3000	12	C	60.6458 ^{IRC}	
45°	65	3000	12	C	60.6575 ^{IRC}	



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QT-14 CLEAR		18	2770	230	D	60.6616
		28	2770	230	D	60.6617
		42	2700	230	D	60.6618
 BASE G9 230V						

	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QR-CBC 25	40°	20	3000	12	C	Frosted BU62
	44°	35	3000	12	C	BU68
 BASE GZ4 12V	21°	20	3000	12	C	Clear BU61
	24°	35	3000	12	C	BU64



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QT-14 ES		20	2900	230	D	RF19264
		33	2900	230	D	RF18863
 BASE G9 230V						



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QR-C 38	32°	20	3000	12	B	Frosted BU30
	40°	35	3000	12	B	BU10
 BASE B15d 12V						



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QT-12		35	3000	12	C	60.6300
		50	3000	12	C	60.6303
		75	3000	12	C	60.6304
		90	3000	12	C	60.6305
		100	3000	12	C	60.6306
 BASE GY6.35 12V	35	2900	12	B	60.6404 ^{IRC}	
	50	3000	12	C	60.6399 ^{IRC}	



	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
 QT-9		10	3000	12	C	60.6301
		20	3000	12	C	60.6302
 BASE G4 12V						



LIGHT SOURCES / FUENTES DE LUZ

	Angle	Wattage (W)	Color T* (K)	Voltage (V)	Energy Label	Reference
		120	2900	230	D	60.6592
QT-DE-12		160	2900	230	C	60.6598
		230	2900	230	C	60.6585
		120	2900	230	D	60.6866
 BASE R7s 230V						

 HI PAR 51	25°	50	3000	230	A	60.6722
	40°	50	3000	230	A	60.6723
	60°	50	3000	230	A	60.6724
 BASE GX10 230V						

 TC-DEL	18	2700	230	A	60.6213
	18	3000	230	A	60.6256
	18	4000	230	A	60.6257
	26	2700	230	A	60.6214
	26	3000	230	A	60.6258
	26	4000	230	A	60.6259
 BASE G24q 230V					

 T5 FH	14	3300		A+	60.6500
	21	3300		A+	60.6503
	21	4000		A+	60.6504
	28	3000		A+	60.6506
	28	4000		A+	60.6507
	35	3300		A+	60.6509
	35	4000		A+	60.6510
 BASE G5 230V					

 T5 FQ	24	3300		A	60.6512
	24	4000		A	60.6513
	39	3300		A+	60.6515
	39	4000		A+	60.6516
	54	3000		A+	60.6518
	54	4000		A+	60.6519
	54	5000		A	60.6520
	80	3300		A	60.6521
	80	4000		A	60.6522
	80	5000		A	60.6523
 BASE G5 230V					

LED ARRAY

Control Greater Optical Control

The LED Array module has a high-density light surface that allows the light to be effectively controlled through reflectors. A wide variety of opening angles can be obtained, thereby catering for any application.

Control Mayor Control Óptico

El módulo de LED Array dispone de una superficie de alta densidad lumínica que permite que, mediante reflectores, se pueda controlar de una forma muy eficaz la luz. Es posible obtener una gran variedad de ángulos de apertura, cubriendo de este modo, cualquier aplicación.

No Pixellation White Light without Pixellation

Due to its configuration, the LED Array achieves a uniform standard of whites with no change in colour. In addition, during the useful life of the module, an exceptional maintenance of the luminous flow and colour temperature is obtained.

Sin Pixelación Luz Blanca sin Pixelación

El LED Array, debido a su configuración, consigue un patrón de blancos uniforme sin variación de color. Además durante la vida útil del módulo consigue un excepcional mantenimiento del flujo luminoso y de la temperatura de color.

Cost Reduction Reduction in Operating Costs

With this LED solution, there is a drastic reduction in maintenance costs due to its long useful life with a minimum luminous flow of 70 %. The energy consumed is reduced by 75 % compared to traditional lighting sources.

Reducción de Costes Reducción de Costes de Operación

Con esta solución LED, la reducción de los costes de mantenimiento se ve reducida drásticamente debido a su larga vida útil con un flujo luminoso mínimo del 70 %. La energía consumida se reduce hasta en un 75 % comparada con las fuentes de iluminación tradicionales.

Retail Application Light Source for Retail Application

The luminous flow contains no IR or UV radiation, which cause damage to clothing or the premature spoiling of food. The elimination of heat in the light beam is transformed into a reduction in air conditioning costs.

Aplicación Retail Fuente de Luz para Aplicación Retail

El flujo luminoso no contiene rayos IR o UV, que son los causantes de los daños en ropa o un deterioro prematuro de los alimentos. La eliminación de calor en el haz luminoso se transforma en una reducción de los costes en aire acondicionado.

Reflectors Light Performance

The LED module is not a point source. The light is emitted through the LED matrix resin area. This construction has an influence when making light calculations and controlling the LED opening angle. As a result, the best way to perform this light control is using reflectors. These reflectors may be made of metallic thermoplastic material since there is no thermal demand on the light source. As they can be made of thermoplastic, there is greater flexibility in their design and the reflecting surface can be optimised with non-viable forms with traditional aluminium reflectors, with a performance of 90 %. Opening angles of between approximately 20° and 60° can be obtained.

Reflectores Rendimiento Luminoso

El módulo de LED Array no es una fuente puntual. La luz es emitida por el área de la resina de la matriz de LEDs. Esta construcción influye a la hora de realizar los cálculos lumínicos y de controlar el ángulo de apertura del LED. Por ello, la forma idónea de realizar este control luminoso es mediante reflectores. Estos reflectores pueden realizarse en termoplástico metalizado, ya que no hay exigencias térmicas de la fuente luminosa. Al poderse realizar en termoplástico existe mayor flexibilidad en el diseño de los mismos y se puede optimizar la superficie reflectante con formas no viables con los reflectores tradicionales de aluminio, con un rendimiento del 90 %. Es posible obtener ángulos de apertura desde unos 20° hasta 60° aproximadamente.

POWER LED

Light Beam Closed Light Beam

Due to the fact that the light comes from a point source, optical control must be carried out using lenses. This optical control allows for the reduction of the light beam to very closed angles. For this reason, this is the most appropriate light source in applications which require a high light density.

Haz de Luz Haz de Luz Cerrado

Debido a que la fuente de luz es puntual, el control óptico se debe de realizar mediante lentes. Este control óptico permite la reducción del haz de luz hasta ángulos muy cerrados. Por ello, en aplicaciones en que se necesite de una gran densidad de luz es la fuente luminosa más adecuada.

Design Freedom of Design

The power LEDs are mounted on electronic board. These electronic boards can be designed in many different sizes and shapes, so that the complete light source design (electronic board + LED + Lenses) is extremely flexible and has great freedom. This flexibility makes it different from traditional light sources.

Diseño Libertad de Diseño

Los power LED se montan en placas electrónicas. Estas placas electrónicas se pueden diseñar en infinidad de dimensiones y formas, de forma que el diseño completo de la fuente luminosa (placa electrónica + LED + Lentes) tiene gran flexibilidad y libertad. Esta flexibilidad lo hace desmarcarse de las fuentes de luz tradicionales.

Colour Wide Range of Colour Temperatures

The power LEDs are discreet, and can be selected in a wide range of colour temperatures. Bins are established (chromatic spectrum ranges) in which it is guaranteed that the LEDs have a minimum chromatic change with respect to the colour temperature selected.

Color Amplia Gama de Temperaturas de Color

Los power LED al ser LEDs discretos se pueden seleccionar en una gran variedad de temperaturas de color. Se establecen bins (rangos del espectro cromático) en donde se garantiza que los LEDs disponen de una variación cromática mínima con respecto a la temperatura de color seleccionada.

TOP LED

Light Beam Diffuse Light

Given their geometry, they are excellent for applications that have no directed light requirements, such as indirect light or luminaires.

Haz De Luz Luz Difusa

Debido a su geometría son excelentes para aplicaciones en las que no haya requerimientos de luz dirigida, como son la luz indirecta o luminarias con difusor incorporado.

Power Supply Voltage 24V

Given their compact dimensions and simple power supply, the "Top LED" offer dozens of different solutions for designing a printed circuit. Their easy power supply using constant 12/24V voltage supplies with possible assemblies and connections in parallel, together with the possibility of creating grouped and irregular designs, make them the perfect candidate when a light source far from the conventions set by traditional light sources is necessary.

Alimentación Tensión 24V

Por sus dimensiones compactas y su sencilla alimentación, los "Top led" ofrecen una multitud de soluciones diferentes a la hora de diseñar un circuito impreso. Su fácil alimentación mediante fuentes de tensión constante a 12/24V, con posibles montajes y conexiones en paralelo, junto con la posibilidad de crear diseño agrupados e irregulares, los hacen candidatos perfectos cuando es necesario el diseño de una fuente de luz lejos de los cánones establecidos por las fuentes de luz tradicionales.

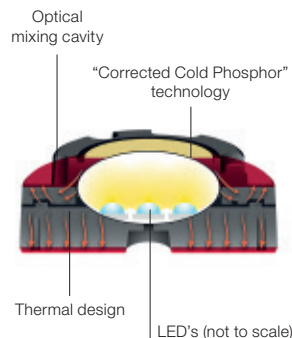
Colour Wide Range of Colour Temperatures

The "Top LED" like the "Power LED" are available in a large range of colour temperatures distributed throughout the entire chromatic spectrum. The selection made will be defined by its bin guaranteeing its homogeneity in it.

Color Amplia Gama de Temperaturas de Color

Los "Top led" al igual que los "Power led" se encuentran disponibles en una extensa gama de temperaturas de color distribuidas a lo largo del espectro cromático. La selección determinada vendrá definida por su bin garantizándose su homogeneidad dentro del mismo.

REMOTE PHOSPHOR LED



Consistency Colour and Chromatic Homogeneity

The remote phosphor LED module is available in a colour temperature range of 2700K, 3000K and 4000K. Each of these colour temperatures is exactly positioned in the BBL (Black Body Locus) to guarantee perfect white light. The LEDs selection tolerance is 1x2 in the MacAdam ellipse, improving the ANSI C78.377 specification.

Consistencia del Color y Homogeneidad Cromática

El módulo LED de fósforo remoto está disponible en un rango de temperaturas de color de 2700K, 3000K y 4000K. Cada una de estas temperaturas de color están exactamente posicionadas en el BBL (Black Body Locus) para garantizar una perfecta luz blanca. La tolerancia de selección de los LEDs tienen una tolerancia de 1x2 en la elipse de MacAdam mejorando la especificación ANSI C78.377.

Uniform Light Beam

Halogen lamps or LED Arrays may suffer changes in light on an illuminated surface, due to the non-uniformity of the light source. The remote phosphor module has a uniform light-emitting surface that is reflected in a perfect beam of light without shadows or changes in colour.

Uniforme Haz de Luz

Las lámparas halógenas o los LED Array pueden sufrir variaciones de luz sobre una superficie iluminada debido a la no uniformidad propia de la fuente de luz. El módulo de fósforo remoto tiene una superficie emisora de luz uniforme, que se refleja en un perfecto haz de luz sin sombras o variaciones de color.

Reproduction High Chromatic

With the "Artist" version; through the correct combination of the LEDs selection and phosphor specifications, a CRI above 95 is obtained. This module has been optimised to obtain excellent results in the most saturated colours. For the red, a value above 90 has been obtained. These numbers not only surpass those of other LED solutions, but improve the results of traditional fluorescent or metal halogenide lamps.

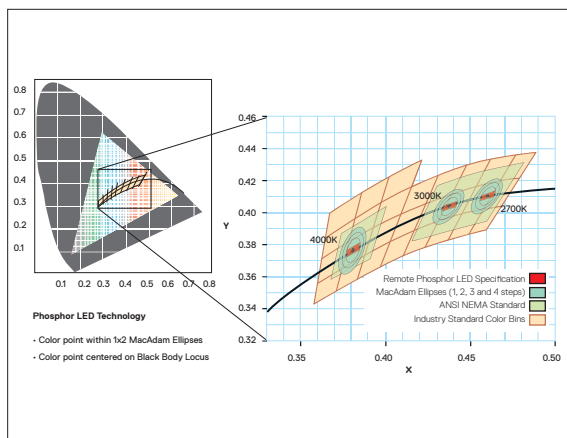
Reproducción Alta Cromática

Con la versión "Artist", a través de la adecuada combinación de la selección de LEDs y las especificaciones del fósforo, se consigue un CRI por encima de 95. Este módulo ha sido optimizado para obtener excelentes resultados en los colores más saturados. Para el rojo, se ha obtiene un valor por encima de 90. Estos números no sólo superan otras soluciones LED sino que mejoran los resultados de las lámparas tradicionales fluorescentes o de halogenuros metálicos.

COLOUR RENDERING CHART

A comparison between the Phosphor LED (Artist Series) and other lighting sources
Note: 2700K and 4000K perform similarly

	Ra	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
Artist Series XTM	98	98	99	98	98	98	97	98	98	96	99	98	88	98	98	98
Typical IR coated Halogen Dichroic	98	98	99	99	99	98	98	99	97	92	97	98	97	98	99	97
Typical Compact Metal Halide	82	90	94	69	82	81	81	87	71	27	59	62	55	93	78	88
Typical Compact Fluorescent	87	91	93	86	91	89	90	88	70	17	76	91	81	93	92	81



Independent measurements by University College London

PICTOGRAPHY / SIMBOLOGÍA

Degree of Protection Grado de Protección



Protection degree offered by the fixture to the ingress of solids and liquids.

Índice de protección contra la penetración de partículas sólidas y húmedas.



0 No protection.
1 Protected against solid bodies over 50 mm in diameter.
2 Protected against solid bodies over 12 mm in diameter.
3 Protected against solid bodies over 2,5 mm in diameter.
4 Protected against solid bodies over 1 mm in diameter.
5 Protected against dust.
6 Fully protected against dust.

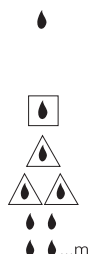
0 Ninguna protección.
1 Protección contra cuerpos sólidos de tamaño superior a 50 mm.
2 Protección contra cuerpos sólidos de tamaño superior a 12 mm.
3 Protección contra cuerpos sólidos de tamaño superior a 2,5 mm.
4 Protección contra cuerpos sólidos de tamaño superior a 1 mm.
5 Protección contra el polvo.
6 Totalmente protegido contra el polvo.

1st figure: protection against penetration by solid bodies.

1a cifra: protección contra la penetración de cuerpos sólidos.



0 No protection.
1 Protected against drops of water falling vertically.
2 Protected against drops of water at a max. inclination of 15 degrees.
3 Protected against drops of water at a max. inclination of 60 degrees.
4 Protected against splashed of water.
5 Protected against jets of water.
6 Protected against waves.
7 Protected against immersion.
8 Protected against long term immersion.



0 Ninguna protección.
1 Protección contra caída vertical de gotas de agua.
2 Protección contra caída vertical de gotas de agua, 15° máx. inclinación.
3 Protección contra caída vertical de gotas de agua, 60° máx. inclinación.
4 Protección contra salpicaduras de agua.
5 Protección contra chorros de agua.
6 Protección contra olas de agua.
7 Protección contra inmersión.
8 Protección contra inmersión prolongada.

2nd figure: protection against penetration by water.

2a cifra: protección contra la penetración de agua.

Pictography Simbología



Luminaire with builtin power packs or transformers, suitable for mounting directly onto normally inflammable surfaces.

Luminarias con balastos incorporados o transformadores previstos para montaje directo sobre superficies normalmente inflamables.



Conventional Ballast.

Balasto convencional.



Passes Glow Wire Test at 850°C according to standard IEC 60695-2-10.

Pasa ensayo de Hilo Incandescente (Glow Wire Test) a 850°C según norma IEC 60695-2-10.



Luminaires designed to exclusively use wolfram halogen lamps or metal halide lamps with own protection screen.

Luminarias diseñadas para usar únicamente lámparas halógenas de wolframio o lámparas de halogenuros metálicos con pantalla de protección propia.

Energy Label Etiquetado energético



According to Regulation 874/2012, a new directive is implemented with regard to energy labelling electrical lamps and luminaires. This energy label rates appliances with energy efficiency classes from A (most efficient) to G (least efficient) to give guidance to the market. You can find information relating to Energy Labels on the Flos website, which is available for download:
 . Visit the products section of our website: <http://www.flos.com/en/products>
 . Choose the collection/product you are interested in, e.g., <http://www.flos.com/en/products/consumer/floor/Arco>
 . Click on "See specs sheet"
 . Click on "Print Energy Label"
 . Select the language and print the label.

Según el Reglamento 874/2012, se implementa una nueva directiva respecto al etiquetado energético de lámparas y luminarias. Esta etiqueta energética contempla aparatos con clases de eficiencia energética de A (más eficiente) a G (menos eficiente) para dar una orientación al mercado. A continuación se muestran las indicaciones para su descarga:
 . Entre en la sección de productos de nuestra página web: <http://www.flos.com/es/productos>
 . Elija la colección o producto en el que usted está interesado, por ej. <http://www.flos.com/es/productos/consumer/de pie/Arco>
 . Haga clic en "Ver ficha técnica"
 . Haga clic en "Print Energy Label"
 . Seleccione el idioma e imprima la etiqueta.

CLASSIFICATION & HOMOLOGATIONS / CLASIFICACIÓN Y HOMOLOGACIONES

Luminaires Classification Clases de Aislamiento de las Luminarias



Class I

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of connecting the accessible conductive parts to a safety conductor (earth).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en conectar las partes accesibles conductoras de la luminaria a un conductor de seguridad o toma de tierra.



Class II

Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of double reinforced insulation without conductive parts to a safety conductor (earth).

Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en un doble aislamiento reforzado.



Class III

Luminaire in which protection against electrical shocks is based on the very low safety supply voltage and no voltages are produced higher than this. A Class III luminaire must never be provided with earthing.

Luminaria cuya protección contra los choques eléctricos está basada en la muy baja tensión de alimentación sin que se produzcan voltajes mayores a ésta. Una luminaria de Clase III nunca debe ser suministrada con toma de tierra.

Homologations Homologaciones



All lamps manufactured and illustrated in this catalog comply with European Standard EN 60 598 and consequently meet the requirements set forth in Directive 73/23 EEC (Low Voltage Directive). They also comply with Directive 89/336 covering electromagnetic compatibility. All products falling under the scope of the above-mentioned Directives bear the CE mark as proof of their compliance with the respective requirements.

Todas las luminarias producidas y presentadas en este programa se han realizado en conformidad con la Norma Europea EN 60 598 y, por consiguiente, cumplen los requisitos establecidos por la Directiva CEE 73/23 (Directiva de Baja Tensión). Su realización garantiza también la conformidad con la Directiva 89/336 en lo concerniente la Compatibilidad Electromagnética. Todos los productos que forman parte del campo de aplicación de estas Directivas llevan el marcado CE que certifica su conformidad a los respectivos requisitos.



The ENEC mark on the product stands for the compliance of European Standard as well as a trustworthy organisation and product system and is guaranteed by an accredited certification body. This agreed mark stands for our engagement and represents the best guarantee in security and quality matter of our products.

La presencia del marcado ENEC en el producto testimonia el cumplimiento de la normativa europea y garantiza la fiabilidad del sistema organizativo y productivo responsable de su fabricación, a través de un organismo de certificación acreditado. El marcado ENEC representa nuestro compromiso y mejor garantía en materias de seguridad y calidad en todos nuestros productos.



The Spanish Association for Standards and Certification AENOR, certifies that quality assurance system adopted by Antares Iluminación, S.A. complies with the requirements of the standard UNE-EN ISO-9001 Quality Systems.

La asociación española de normalización y certificación AENOR certifica que el Sistema de aseguramiento de la Calidad adoptado por Antares Iluminación S.A. es conforme a las exigencias de la Norma Europea EN ISO 9001: Sistemas de Calidad.



The QCERT S.A.S. Certification Body evaluates the conformity of our products to enable their placement on the Colombian market while taking into account the current national and international regulations. This product certification allows manufacturers and marketers to expand their markets and gain a competitive advantage that can transcend the boundaries of the local market while enhancing international trade.

El Organismo de Certificación QCERT S.A.S. evalúa la conformidad de nuestros productos para su comercialización en Colombia, considerando la normativa nacional e internacional vigente. Esta certificación de producto permite a los fabricantes y comercializadores expandir sus mercados y obtener una ventaja competitiva que puede trascender las fronteras del mercado local, potencializando el comercio a nivel internacional.



Created by IECEE, the CB certification system based on the IEC International Standards is recognized in Saudi Arabia, Argentina, Australia, Austria, Bahrain, Belgium, Belarus, Brazil, Bulgaria, Canada, China, Colombia, Croatia, Denmark, United Arab Emirates, Finland, France, Germany, Japan, Greece, India, Indonesia, Ireland, Israel, Italy, Kenya, Libya, Malaysia, Mexico, Norway, New Zealand, Netherlands, Pakistan, Poland, Portugal, United Kingdom, Czech Republic, Republic of Korea, Romania, Russia, Serbia, Singapore, Slovakia, Slovenia, Spain, United States, South Africa, Sweden, Switzerland, Thailand, Turkey, Ukraine, Hungary and Uruguay.

Creada por IECEE, el sistema de certificación CB basado en la Normas Internacionales IEC está reconocido en Arabia Saudí, Argentina, Australia, Austria, Bahréin, Bélgica, Bielorrusia, Brasil, Bulgaria, Canadá, China, Colombia, Croacia, Dinamarca, Emiratos Árabes Unidos, Finlandia, Francia, Alemania, Japón, Grecia, India, Indonesia, Irlanda, Israel, Italia, Kenia, Libia, Malasia, México, Noruega, Nueva Zelanda, Países Bajos, Pakistán, Polonia, Portugal, Reino Unido, República Checa, República de Corea, Rumanía, Rusia, Serbia, Singapur, Eslovaquia, Eslovenia, España, Estados Unidos, Sudáfrica, Suecia, Suiza, Tailandia, Turquía, Ucrania, Hungría y Uruguay.

Photometric Data Datos Fotométricos

With the passing of time, we have been exposed to a rising number of visual impacts. It is currently estimated that about 75% of the information we process when relating to our surroundings is received through our eyes, which work very much like a camera, through the light that is emitted or reflected from objects in a given environment. This means that the information processed by the brain is heavily reliant on the level and type of light, and how this environment is illuminated.

The photometric documentation that has been prepared (especially through the calculation program) aims to provide lighting designers with the material they need to develop lighting projects that comply with the EN 12464-1 standard now in force, in terms of sufficient light distribution, visual comfort, maximum lighting efficiency and consequently, the lowest possible energy consumption. In order to make the most of the calculation program, it is essential to have all the necessary information on the products to be used.

EN 12464-1 Standard

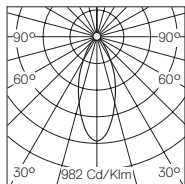
Sets the technical lighting requirements that satisfy the needs of indoor visual performance, especially in workplaces, even when visual display terminals are used, by prescribing the average illuminance values E_m , color rendering R_a , visual comfort UGR.

UGR (Unified Glare Rating)

Classifies the discomfort glare caused by an indoor lighting system, taking into account the kind of luminaires, the reflecting features and size of the rooms, the position of the observers.

For example, for CAD workstations, EN 12464-1 standards set $E_m = 500$ lx, $R_a = 80$, $UGR \leq 19$.

Diagram of the Characteristics of Light Output



Luminous intensity distribution is presented in the form of a polar plot of one or more C planes that cross-section the luminaire, passing through its light center of gravity. The planes and the intensity are shown by means of a system of spherical coordinates (C, γ, I). The curves that join the ends of the intensity vectors on a C plane are called photometric curves or output indicators.

The number of C-section planes is prescribed by CIE recommendations, and is referred to in the European Standards on photometric measurements and data presentation (CEN 13 032-1).

For revolving or symmetrical luminaires, light output is shown as a single curve. In all the other cases, the diagram shows the horizontal (C0-180) and longitudinal (C90-270) planes at least.

For luminaires that can be fitted with light sources that are geometrically the same but with different luminous fluxes, it is generally accepted that the polar plot shows an ideal luminous flux of 1,000 lumen and is therefore expressed in cd/klm.

For light sources that include reflectors, the maximum luminous intensity values provided in this catalogue are absolute (cd) and do not refer to a standard 1,000 lm flux. For other sources, the same values correspond to an ideal 1,000 lm (cd/klm) flux.

For LED-based products incorporating control electronics and heat sinks, products requiring only line voltage or DC power supply, including complete LED luminaires with no replaceable integrated LED sources, the LM-79 test method uses absolute photometry to directly measure total lumen output for a particular configuration.

The real distribution of light and light intensity are measured directly for the complete luminaire.

Con el paso del tiempo, el número de inputs visuales a los que el hombre se expone ha aumentado. Actualmente, parece que aproximadamente el 75% de la información que el hombre procesa para relacionarse con su medio ambiente la recibe a través de los ojos, que funcionan de manera parecida a una cámara fotográfica, utilizando la luz emitida o reflejada por los objetos que hay en un determinado ambiente. Esto significa que la información procesada por el cerebro depende en gran medida de los niveles, del tipo de luz y del modo en que se ilumina ese ambiente.

Con la documentación fotométrica redactada (en especial a través del programa de cálculo) queremos facilitar a los diseñadores de iluminación el material necesario para la realización de proyectos de alumbrado que satisfagan la actual normativa EN 12464-1 por lo que se refiere la adecuada distribución de la luz, confort visual, máxima eficiencia luminosa y la consiguiente reducción de energía. Para aprovechar al máximo las posibilidades del programa de cálculo es fundamental disponer de toda la información necesaria sobre los productos que pueden utilizarse.

Norma EN 12464-1

Especifica los requisitos luminotécnicos para satisfacer las exigencias de prestación visual en los lugares de trabajo en interiores, incluidos los que prevén la utilización de pantallas de ordenador, prescribiendo los valores medios de iluminancia E_m , el índice de rendimiento cromático R_a y el confort visual UGR.

Índice unificado de deslumbramiento UGR (Unified Glare Rating)

Define la clase de deslumbramiento causado por la instalación de alumbrado en un interior, tomando en consideración el tipo de luminarias, las características de reflexión y las dimensiones de los locales, así como la posición de los observadores.

Por ejemplo, para puestos de trabajo en los que se trabaje con programas CAD las normas EN 12464-1 prescriben $E_m = 500$ lx, $R_a = 80$, $UGR \leq 19$.

Representación Gráfica de las Características de Emisión Luminosa

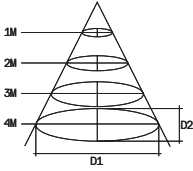
La distribución de las intensidades luminosas emitidas por una luminaire se representa con un diagrama polar correspondiente a uno o más planos C que seccionan la luminaire pasando por su baricentro luminoso. Los planos y las intensidades están definidos por un sistema de coordenadas esféricas (C, γ, I). Las curvas que unen los extremos de los vectores intensidad sobre un plano C se llaman curvas fotométricas o indicadoras de emisión.

El número de planos sección C lo prescriben las recomendaciones CIE, y se indica en la Norma Europea correspondiente a las mediciones fotométricas y a la presentación de los datos (CEN 13 032-1). Para luminarias que presentan emisiones rotosimétricas, la emisión luminosa está representada por una única curva. En todos los demás casos la representación gráfica prevé, como mínimo, los planos transversal (C0-180) y longitudinal (C90-270). Para luminarias que pueden montar lámparas geoméricamente iguales pero con flujos luminosos diferentes, por lo general se acepta que el diagrama polar de las intensidades esté representado por un flujo luminoso ideal de 1.000 lumen y por lo tanto expresado en cd/klm. Para fuentes luminosas con óptica incorporada, los valores de la intensidad luminosa máxima facilitados en este catálogo son absolutos (cd) y no se refieren a un flujo normalizado de 1.000 lm, mientras en las demás fuentes los mismos valores corresponden a un flujo ideal de 1.000 lm (cd/klm).

Para productos LED que incorporan electrónica de control y disipadores de calor, que requieran tanto alimentación a tensión de red o mediante fuente de alimentación DC, incluyendo luminarias LED completas provistas de módulos LED no reemplazables, el método de ensayo LM-79 utiliza la fotometría absoluta para medir directamente el flujo luminoso total para una configuración particular.

La distribución real de la luz e intensidad luminosa se miden directamente de la luminaire completa.

E(lx/Klm)	D(m)
1	4918 0.20
2	1229 0.40
3	546 0.60
4	307 0.80
5	197 0.99



Illuminance (shown as E)

The average illuminance expressed in lux (lx) on a surface is the quotient resulting from the luminous flux, expressed in lumen (lm), on the surface and the dimension (m²) of the surface itself. Depending on the need, the illuminance value can be horizontal (e.g. on a desk: for reading), vertical (illumination of a sports fields: to see the players), semi-cylindrical (urban fittings: to see who is coming towards us).

In some cases, for example when using spotlights or lamps with a reflector, the performance features are simply shown by means of tables called "light cones" showing both the average and maximum illuminance values, as well as the diameter of the luminous spot, in relation to the distance of the plane from the luminaire. The vertex angle of the light cone is the luminaire's beam, that is, the angle formed by the intensity vector when its module is greater than half of the maximum intensity.

Illuminance is expressed in lux per 1,000 lm (lx/klm). For light sources that include reflectors, the average and maximum illuminance values are absolute. For other sources, they correspond to an ideal 1,000 lm flux.

Isolux

The photometric results of a lighting installation can be shown on a surface using an "Isolux", that is, lines connecting the points with the same illuminance. Isolux diagrams are used to quickly determine, albeit in an approximate manner, the average value and uniformity of the illuminance.

Photometric classification of luminaires

Using the classification of luminous flux distribution and using the various ratios between the flux emitted by a luminaire in the upper and lower hemispheres, as well as the ratio of their different yields, a luminaire can be classified on the basis of different recommendations and standards: CIE, DIN 5040, UTE, and CIBSE LG3.

CIE

Diagram of flux distribution by a luminaire inside cones with specific angles; the last number of the series provides the total output ratio of the luminaire. Illuminating luminaires are classified on the basis of five numbers (CIE codes)

$$N_1 = F_1/F_4 \quad N_2 = F_2/F_4 \quad N_3 = F_3/F_4 \quad N_4 = F_4/F_5 \quad N_5 = F_5/F = \text{yield}$$

- Where:
- F₁ is the flux emitted in the solid angle cone π/2, vertex angle 83°
 - F₂ is the flux emitted in the solid angle cone π, vertex angle 120°
 - F₃ is the flux emitted in the solid angle cone 3π/2, vertex angle 151°
 - F₄ is the flux emitted in the solid angle cone 2π, vertex angle 180°
 - F₅ is the flux emitted in the solid angle cone 4π, vertex angle 360°
 - F is the installed flux.

Illuminancia (representado con el Símbolo E)

El nivel medio de iluminancia expresado en lux (lx) sobre una superficie es el cociente entre el flujo luminoso, expresado en lumen (lm) que incide sobre la superficie y el tamaño (m²) de dicha superficie. En función de las exigencias es posible calcular iluminancias horizontales (por ej. sobre un escritorio: para leer), verticales (alumbrado de un campo deportivo: para reconocer los atletas) o semicilíndricas (alumbrado urbano: para identificar con quien nos cruzamos).

En algunos casos, por ej. al utilizar focos y lámparas con reflector incorporado, la representación de las prestaciones se simplifica mediante tablas llamadas "conos de luz" que indican tanto los valores de las iluminancias medias y máximas como los diámetros de la mancha luminosa en relación con las distancias del plano respecto a la luminaria. El ángulo en el vértice del cono de luz es la apertura del haz de la luminaria, es decir el ángulo descrito por el vector intensidad cuando su módulo es mayor que la mitad de la intensidad máxima. La iluminancia se expresa en lux por cada 1.000 lm (lx/klm). Para fuentes luminosas con óptica incorporada, los valores de las iluminancias medias y máximas son absolutos, mientras que para las demás fuentes corresponden a un flujo ideal de 1.000 lm.

Isolux

Sobre una superficie, los resultados fotométricos de una instalación de iluminación pueden representarse gráficamente mediante "isolux", es decir líneas que unen los puntos que tienen la misma iluminancia. Las isolux permiten evaluar rápidamente, aunque aproximadamente, el valor medio y la uniformidad de la iluminancia.

Clasificación Fotométrica de las Luminarias

Considerando las características de distribución del flujo luminoso y según varias relaciones entre el flujo emitido por una lámpara en el hemisferio superior e inferior, así como la relación entre los varios rendimientos, es posible caracterizar una luminaria según distintas normas y estándares: CIE, DIN 5040, UTE y CIBSE LG3.

CIE

Representación de la distribución del flujo emitido por la luminaria en el interior de conos con ángulos de apertura definidos; el último número de la serie indica el rendimiento total de la luminaria.

Las luminarias se clasifican según cinco números (códigos CIE)

$$N_1 = F_1/F_4 \quad N_2 = F_2/F_4 \quad N_3 = F_3/F_4 \quad N_4 = F_4/F_5 \quad N_5 = F_5/F = \text{rendimiento}$$

- Donde:
- F₁ es el flujo emitido en el cono de ángulo sólido π/2, ángulo en el vértice 83°
 - F₂ es el flujo emitido en el cono de ángulo sólido π, ángulo en el vértice 120°
 - F₃ es el flujo emitido en el cono de ángulo sólido 3π/2, S ángulo en el vértice 151°
 - F₄ es el flujo emitido en el cono de ángulo sólido 2π, ángulo en el vértice 180°
 - F₅ es el flujo emitido en el cono de ángulo sólido 4π, ángulo en el vértice 360°
 - F es el flujo instalado.

CIE 62/98/100/100/74
DIN A50
UTE 0.47C+0.00T
CIBSE TMS B23/2/B22

PHOTOMETRY / FOTOMETRÍA

DIN 5040

The photometric classification of luminaires consists of a letter and two numbers. The letter indicates the luminous distribution starting from A: direct concentrated to E: indirect. The first number indicates the percentage of luminous flux emitted in the lower hemisphere (direct). The second number indicates the percentage of luminous flux in the upper hemisphere (indirect).

UTE

The photometric classification of luminaires consists of a number that indicates the direct output ratio followed by a letter that indicates the luminous distribution starting from A for a narrow angle to J for semi-indirect. Should the luminaire also have indirect emission (upper hemisphere), the indirect yield followed by the letter "T" is added. For example, for a luminaire emitting 30% of its flux downwards and 35% upwards, with a semi-indirect emission, the UTE code would be 0.30J + 0.35T.

CIBSE LG3

With the amendment of Lighting Guidance 3 in 2001, the category classification system (Cat) was abolished to conform to European Standard EN 12464-1. This British Standard classified luminaires in three luminance categories: C0-180, C90-270, C135-315 and C225-45. CIBSE LG3 Cat 1 if luminance was lower than 200 cd/m² starting at a 55° observation angle γ . CIBSE LG3 Cat 2 if luminance was lower than 200 cd/m² starting at a 65° observation angle γ . CIBSE LG3 Cat 3 if luminance was lower than 200 cd/m² starting at a 75° observation angle γ .

Colored Filters

The use of colored filters in a luminaire modifies its photo-colorimetric features, for example the color temperature of the light bulb, adapting it for accent lighting or for a special setting. The use of filters also reduces the luminous output which can vary depending on the filter's characteristics.

Eulumdat Files

The Eulumdat files of all the FLOS luminaires are available on our website www.flos.com, so they can be used in technical lighting calculations.

DIN 5040

La clasificación fotométrica de las luminarias está constituida por una letra y dos números. La letra indica la distribución luminosa empezando por la A: directa concentrada, hasta la E: indirecta. La primera cifra indica el porcentaje de flujo luminoso emitido en el hemisferio inferior (directa). La segunda cifra indica el porcentaje de flujo en el hemisferio superior (indirecto).

UTE

La clasificación fotométrica de las luminarias está constituida por un número que indica el rendimiento directo seguido por una letra que indica la distribución luminosa a partir de A para el haz estrecho hasta J para el semiindirecto. Si la luminaria tuviera también una emisión indirecta (superior), se añadiría el rendimiento indirecto seguido por la letra "T". Por ejemplo para una luminaria que emita el 30% de su flujo hacia abajo y el 35% del flujo hacia arriba, con una emisión semiindirecta, el código UTE sería 0,30J + 0,35T.

CIBSE LG3

Con las modificaciones en el Lighting Guidance 3 de 2001 el sistema de clasificación por categorías (Cat) fue abolido para uniformarse con la normativa Europea EN 12464-1. Esta normativa inglesa clasificaba las luminarias en tres categorías según la luminancia en cuatro planos: C0-180, C90-270, C135-315 y C225-45. Estaban clasificadas como CIBSE LG3 Cat 1 las luminarias con luminancia inferior a 200 cd/m² para ángulos de observación γ a partir de 55°. Estaban clasificadas como CIBSE LG3 Cat 2 las luminarias con luminancia inferior a 200 cd/m² para ángulos de observación γ a partir de 65°. Estaban clasificadas como CIBSE LG3 Cat 3 las luminarias con luminancia inferior a 200 cd/m² para ángulos de observación γ a partir de 75°.

Filtros de Colores

La aplicación de filtros de colores a una luminaria permite modificar las características fotocolorimétricas, por ejemplo la temperatura del color de la lámpara, adecuándola a las exigencias de un alumbrado de acento o de una ambientación particular. La utilización de filtros determina, además, una reducción de la emisión luminosa de entidad variable en función de las características del filtro.

Archivos Eulumdat

Los archivos Eulumdat de todas las luminarias de FLOS están disponibles en nuestra web www.flos.com, para permitir su utilización en programas de cálculo luminotécnico.

SOFT ARCHITECTURE

Wall Rupture, Softprofile, Kapprofile,
Juncos, Wall Piercing, Soft Spun, Abajourd'hui,
Usl Pluto, Uso Boob, Usl Out, Usl 900 Disk,
Apps, G-O In, Teardrop, Uso, Uso Cove Lighting,
Round, Square & Vertical Light,
Usb Round & Square Light.



Wall Rupture



Softprofile
Smooth

Smooth Small

Smooth Large



Softprofile
Deco

Starck Small

Starck Large

Wanders Small

Wanders Large

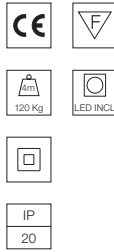
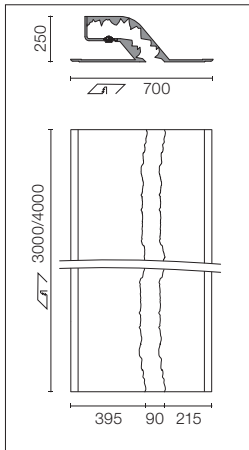


Kaprofile



Wall Rupture Designed By Thierry Dreyfus

Light Source: LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K



Soft technology wall-mounted, recessed luminaire. LED modules to emit lights with different colour temperature depending on décor; non-dimmable gear included. 220/240V power supply included.

Luminaria empotrada para instalación a pared de tecnología Soft. Módulos de LED de diferente temperatura de color según el decorado y equipos no dimables incluidos. Fuente de alimentación 220/240V incluida.

For personal configuration ask Flos architectural sales team.

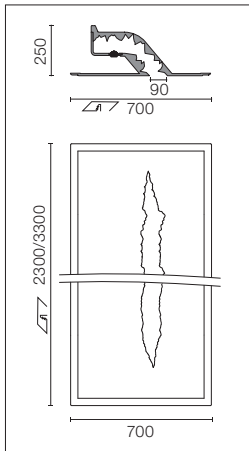
Para una configuración personal consultar con el equipo de ventas de Flos architectural.

Profile

- 3m
 - SA.2423.5A145
 - SA.2423.5A165
- 4m
 - SA.2424.5A145
 - SA.2424.5A165

Wall Rupture with End caps Designed By Thierry Dreyfus

Light Source: LED White - Gold Finish - 17,5W/m - 1140 lm/m - 2700K / LED White - Silver Finish - 17,5W/m - 1225 lm/m - 5000K



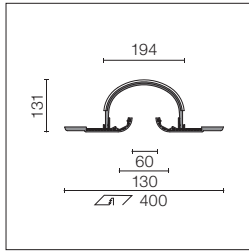
End cap

- 2,3m
 - SA.2453.5A145
 - SA.2453.5A165
- 3,3m
 - SA.2454.5A145
 - SA.2454.5A165



SOFT ARCHITECTURE | LINEAR

Softprofile Smooth Small Designed By Flos Soft Architecture



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

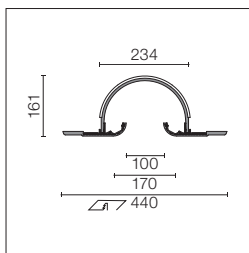
Profile

3m
SA.2293.1
4m
SA.2294.1

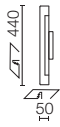
End cap

SA.2295.1

Softprofile Smooth Large Designed By Flos Soft Architecture



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

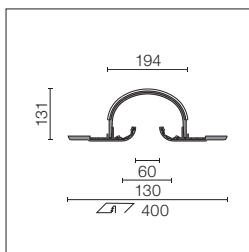
Profile

3m
SA.2323.1
4m
SA.2324.1

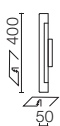
End cap

SA.2325.1

Softprofile Deco Starck Small Designed By Philippe Starck



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

Profile

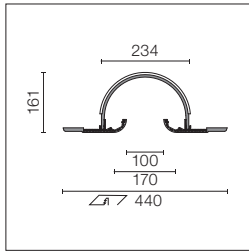
3m
SA.2313.1
SA.2313.3.120
SA.2313.3.140
SA.2313.3.160
4m
SA.2314.1
SA.2314.3.120
SA.2314.3.140
SA.2314.3.160

End cap

SA.2295.1

SOFT ARCHITECTURE | LINEAR

Softprofile Deco Starck Large Designed By Philippe Starck



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

Profile

3m

SA.2343.1

SA.2343.3.120

SA.2343.3.140

SA.2343.3.160

4m

SA.2344.1

SA.2344.3.120

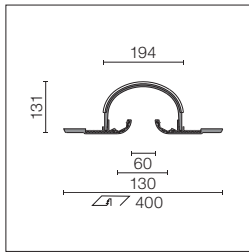
SA.2344.3.140

SA.2344.3.160

End cap

SA.2325.1

Softprofile Deco Wanders Small Designed By Marcel Wanders



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

Profile

3m

SA.2303.1

SA.2303.3.120

4m

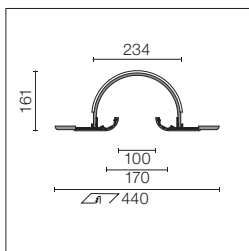
SA.2304.1

SA.2304.3.120

End cap

SA.2295.1

Softprofile Deco Wanders Large Designed By Marcel Wanders



End cap / Terminal



Soft technology wall or ceiling-mounted recessed luminaire. It permits the installation of LED modules on both sides. Lighting systems not included.

Luminaria empotrada para instalación a pared o techo de tecnología Soft. Permite la instalación de módulos LED en ambos lados. Sistemas de iluminación no incluidos.

See LED modules and LED drivers.

Ver módulos LED y controladores LED.

Profile

3m

SA.2333.1

SA.2333.3.120

4m

SA.2334.1

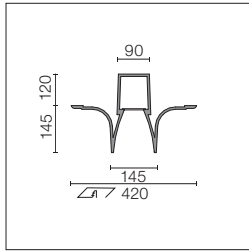
SA.2334.3.120

End cap

SA.2325.1

SOFT ARCHITECTURE | LINEAR

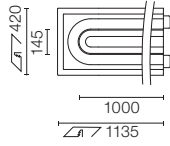
Kaprofile Designed By Flos Soft Architecture



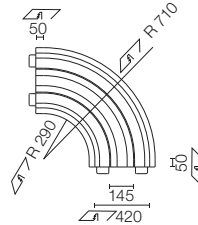
Soft technology ceiling-mounted modular profile. Fluorescence lighting systems not included.

Perfil modular de tecnología Soft para una instalación a techo. Sistemas de iluminación de fluorescencia no incluido.

End cap / Terminal



*Corner / Esquina



2m
SA.2282.1

End cap 1m
SA.2285.1

Corner
SA.2286.1

* In Corner, lighting modules included. See T5 module.


* En la esquina los módulos de iluminación están incluidos. Ver módulo T5.

SOFT ARCHITECTURE | LINEAR

USP T5 DIRECT LIGHT - T5 MODULE

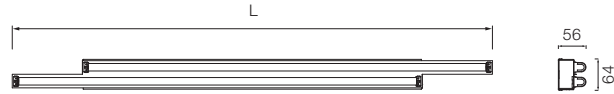
For Kaprofile

Linear Module T5 Double Módulo Lineal Doble T5

	T5 FH	Reference Referencia	Wattage (W) Potencia (W)	Lenght (L) Longitud (L)	* Number (N°) Número (N°)
Linear T5 module for optimal illumination without dark zones, which are avoided by the overlapping. The modules are available in a dimmable version, and for different T5 wattages (high efficiency). Lamp not included.		Non Dimmable			
		08.8306.00	2x21	1025	9
		08.8307.00	2x28	1325	9
Módulo lineal T5 para iluminación óptima sin zonas oscuras mediante superposición de tubos. Los módulos están disponibles en versión regulable y para diferentes potencias T5 (alto rendimiento). Lámparas no incluidas.		Dimmable 1-10V			
		08.8320.00	2x21	1025	9
		08.8321.00	2x28	1325	9
		Dimmable Dali			
		08.8314.00	2x21	1025	9
		08.8315.00	2x28	1325	9
		08.8322.00	2x35	1625	9
		08.8316.00	2x35	1625	9

* N°: Maximum number of modules connected in one line / N°: Número máximo de módulos conectados en una línea.

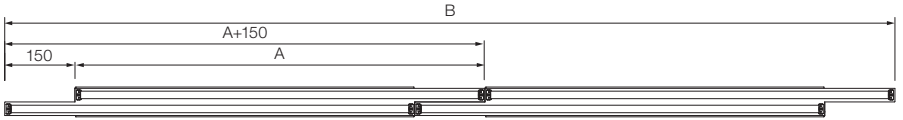
Linear Module T5 Double Scheme Módulo Lineal Doble T5 Esquema Constructivo



Maximum Overlapping / Superposición Máxima

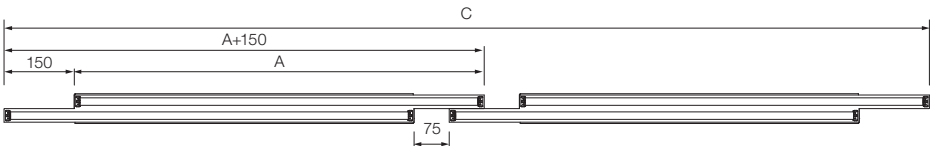
Linear Module T5 Double Connection Módulo Lineal Doble T5 Esquema de Conexión

Wattage Potencia (W)	A	B	* Number Número (N°)
2x21	875	1900	9
2x28	1175	2500	9
2x35	1475	3100	9



Minimum Overlapping / Superposición Mínima

Wattage Potencia (W)	A	C	* Number Número (N°)
2x21	875	1975	9
2x28	1175	2575	9
2x35	1475	3175	9



Accessories / Accesorios

Feed cable with female plug. Three poles, length: 250mm. Only for not dimmable versions. Must be ordered separately.

Cable de alimentación con conexión hembra. Tres polos, longitud: 250mm. Solo para versiones no regulables. Debe pedirse por separado.



08.8330.00

Feed cable with female plug. Three poles, length: 250mm. Feed cable for signal 1-10V / DALI included. Must be ordered separately.

Cable de alimentación con conexión hembra. Tres polos, longitud: 250mm. Cable de alimentación para la señal 1-10V / DALI, incluido. Debe pedirse por separado.



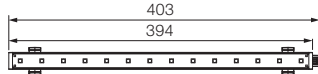
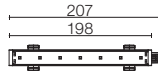
08.8356.00

SOFT ARCHITECTURE | LINEAR

LED DRIVERS

For: Softprofile Smooth - Softprofile Deco

Linear Module LED Módulo LED Lineal



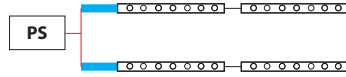
LED module for optimal indirect illumination. Tyco connections male / female for easy electrical connection in both sides. Can be clipped directly to the Profile.

Módulo LED para una óptima iluminación indirecta. Conexiones Tyco macho / hembra para una fácil conexión eléctrica en ambos lados. Puede ser enganchado directamente al Perfil.

White
08.8512.00C 3,5W 228 lm 3000K CRI 85
08.8513.00C 7W 456 lm 3000K CRI 85

RGB
08.8294.00A 1,7W 77 lm CRI>90
08.8296.00A 3,5W 154 lm CRI>90

Non Dimmable



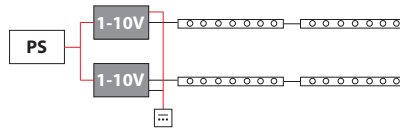
Wiring Cableado

500mm feed cable for white LED modules with fast connection. Necessary one for each LED line (two for each Profile). Maximum for each feed cable: 3 LED line meters. Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida. Es necesario uno por cada línea LED (dos por cada Perfil). Máximo por cada cable de alimentación: 3 metros lineales LED. Unidad de alimentación electrónica no incluida.

White
06.1016.00

Dimmable 1-10V



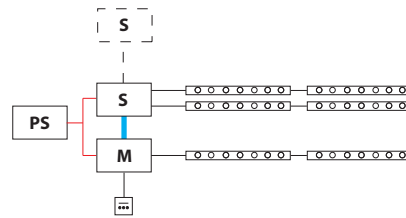
Dimmable Interface Interfaz Regulable

1-10V interface with two 500mm feed cable for white LED modules with fast connection. Maximum for each interface: 6 LED meters. Electronic power supply not included.

Interfaz de 1-10V con dos cables de alimentación de 500mm para módulos LED blancos con conexión rápida. Máximo por cada interfaz: 6 metros de LED. Unidad de alimentación electrónica no incluida.

White
06.1022.00
1-10V

Dimmable Interfaces Interfaces Regulables



Dali Master interface with one 5 pole distributor and two 500mm feed cable for easy connection. Electronic power supply not included.

Interfaz "Master" Dali con un distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

White
06.1023.00
M

RGB
06.1025.00
M

DMX Master interface with 5 pole distributor and two 500mm feed cable for easy connection. Electronic power supply not included.

Interfaz "Master" DMX con distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

06.1026.00
M

Radio Frequency (RF) RGB Master interface with 5 pole distributor and two 500mm feed cable for easy connection. Wall transmitter to make color changing integrated. Electronic power supply not included.

Interfaz "Master" RGB Radio Frecuencia (RF) con distribuidor de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Transmisor de pared integrado para crear cambios de color. Unidad de alimentación electrónica no incluida.

06.1027.00
M

SOFT ARCHITECTURE | LINEAR

LED DRIVERS

For: Softprofile Smooth - Softprofile Deco

Dimmable Interfaces Interfaces Regulables

Slave interface to expand the signal with two 5 pole distributors and four 500mm feed cable for easy connection. Electronic power supply not included.

Interfaz "Slave" para ampliar la señal con dos distribuidores de 5 polos y cuatro cables de alimentación de 500mm para una fácil conexión. Unidad de alimentación electrónica no incluida.

White	RGB
06.1024.00 S	06.1028.00 S
08.8297.00 S	08.8298.00 S

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.

Power Supply / Unidad de Alimentación

Installation in False Ceiling Instalación en Falso Techo

PS

Electronic 25W / Electrónica 25W
Power supply / Fuente de alimentación
LED. 25W – 24V. 100-240V, 50-60Hz.

60.8703

Electronic 60W / Electrónica 60W
Power supply / Fuente de alimentación
LED. 60W – 24V. 100-240V, 50-60Hz.

60.9089

Electronic 120W / Electrónica 120W
Power supply / Fuente de alimentación
LED. 120W – 24V. 100-240V, 50-60Hz.

60.9407

Remote Installation Electrical Panel Instalación Remota en Cuadro Eléctrico

PS






Electronic 240W / Electrónica 240W
Power supply / Fuente de alimentación
LED. 240W – 24V. 100-240V, 50-60Hz.

60.8268

Installation Guidelines / Tablas de Instalación

White

RGB

	20W	60W	100W	150W	240W	20W	60W	100W	150W	240W	
Max length LED* Longitud máxima de LED*	1m	3,5m	5,5m	8m	13m	2m	8m	12m	20m	34m	
Cable section (installer provides) Sección de cable (el instalador lo suministra)	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²	
Max distance Distancia máxima		5m	10m	15m	30m	50m	5m	10m	15m	30m	50m
Max distance Distancia máxima		20m					20m				
Max distance Distancia máxima		20m					20m				
Max length LED connected to Máxima longitud módulos LED conectados con		2m					7m				
Max length LED connected to Máxima longitud módulos LED conectados con		4m					14m				

* Beware: For Softprofile, 2x LED length = profile length / Atención: Para Softprofile, 2x longitud de LED = longitud de perfil



Juncos

Juncos 1L



Juncos 3L



Juncos 6L



Juncos 9L



Wall Piercing

Wall Piercing 1X



Wall Piercing 2X



Wall Piercing 4X



Wall Piercing 2X Line



Soft Spun

Soft Spun Small
Halogen/ Fluorescent/
LED



Soft Spun Large
Halogen/ Fluorescent/
LED



Abajourd'hui

Abajourd'hui Small



Abajourd'hui Large



USL Pluto

USL 100 Pluto

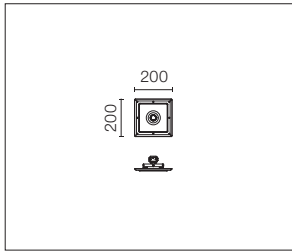


USL 200 Pluto



Juncos Designed By Flos Soft Architecture

Juncos 1L



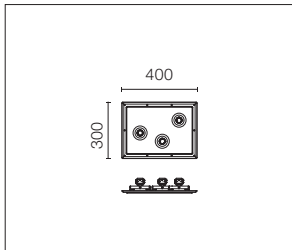
Semi-recessed LED luminaire for indoor applications. Seamless integration in the architectural environment by Soft Architecture technology. Power supply not included. See drivers in next page.

Luminaria LED de interiores semiempotrada que combinada con la tecnología Soft Architecture se integra perfectamente en el espacio arquitectural. Fuente de alimentación no incluida. Ver drivers en la siguiente página.

Pre-wired product to be connected to constant current.

Producto precableado para su conexión a corriente constante.

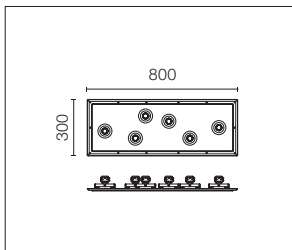
Juncos 3L



Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

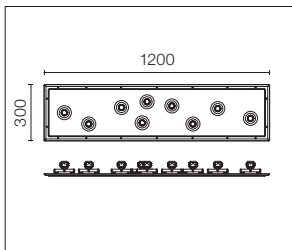
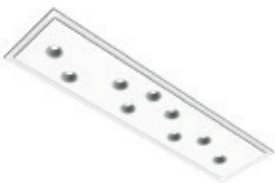
Juncos 6L



Pre-wired product for serial connection to constant current.

Producto precableado en serie para su conexión a corriente constante.

Juncos 9L



Pre-wired product for serial connection to constant current.

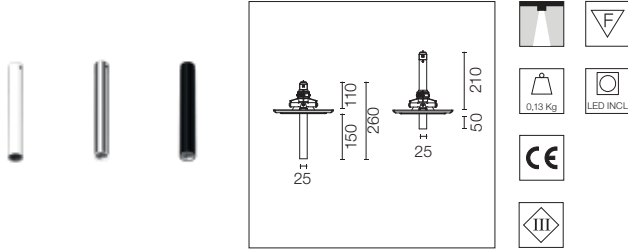
Producto precableado en serie para su conexión a corriente constante.

Soft Plate / Placa Soft

- Juncos 1L
SA.5200.5.120
- Juncos 3L
SA.5201.5.120
- Juncos 6L
SA.5202.5.120
- Juncos 9L
SA.5203.5.120

Junco 250 mm

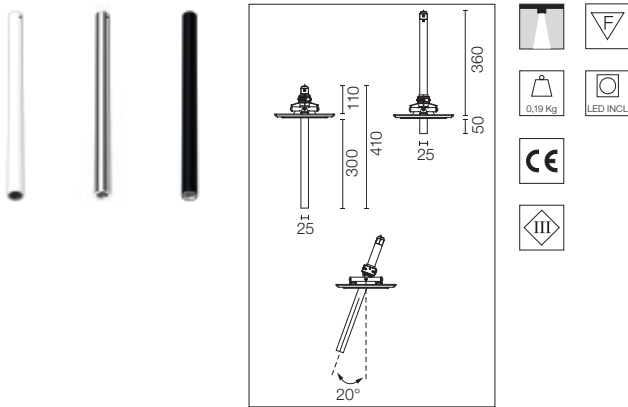
Light Source: Power LED DC 700 mA - 2,1W - 216 lm - 3000K/CRI 80 / 2,1W - 182 lm - 2700K/CRI 90



Luminaire that offers many possibilities. Can be individually focused and their recessed height is adjustable. Available in a black, white and chrome finish.

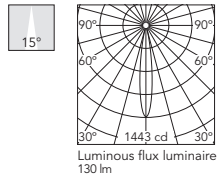
Luminaria que ofrece gran versatilidad. Individualmente orientable y nivel de empotramiento regulable. Disponible en acabado negro, blanco y cromo.

Junco 400 mm



Junco 250 mm

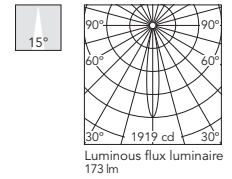
- 2700K**
- 08.8595.40A
 - 08.8595.06A
 - 08.8595.AAA



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

- 3000K**
- 08.8590.40A
 - 08.8590.06A
 - 08.8590.AAA

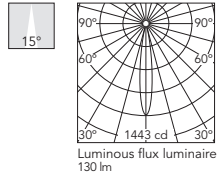


Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

Junco 400 mm

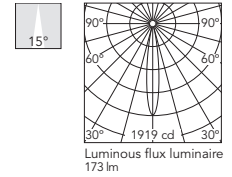
- 2700K**
- 08.8596.40A
 - 08.8596.06A
 - 08.8596.AAA



Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1443	0.27
2	361	0.53
3	160	0.80
4	90	1.07
5	58	1.34

- 3000K**
- 08.8591.40A
 - 08.8591.06A
 - 08.8591.AAA



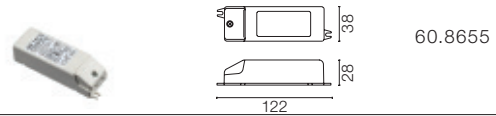
Beam Angle: 15°

h(m)	E(lx)	D(m)
1	1919	0.27
2	480	0.53
3	213	0.80
4	120	1.07
5	77	1.34

Drivers / Equipos

Non dimmable continuous current power supply of 17W, 700mA - 100/240V - 50/60Hz.

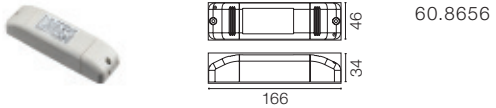
Fuente de alimentación de corriente constante 17W, 700mA - 100/240V - 50/60Hz.



60.8655

Non dimmable continuous current power supply of 32W, 700mA - 220/240V - 50/60Hz.

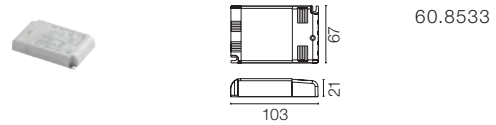
Fuente de alimentación de corriente constante 32W, 700mA - 220/240V - 50/60Hz.



60.8656

Continuous current power supply of 25W, 120-240V - 50/60Hz with power current selected through adjustable 700mA 1-10V switch or push dimming.

Fuente de alimentación de corriente constante 25W, 120-240V / 50-60Hz con corriente de alimentación seleccionable mediante switch 700mA regulable 1-10V o push dimming.

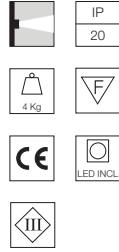
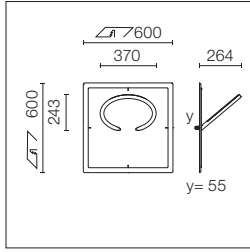


60.8533

Max. distance from LED driver / Distancia máxima del equipo de LED			
Constant current driver (700mA) / Equipo de corriente constante			
Distance / Distancia	10 m	20 m	50 m
Cable section / Sección de cable	0,5mm ²	1mm ²	2,5mm ²

Wall Piercing 1X Designed By Ron Gilad

Light Source: LED White 1x6,4W - 416 lm - 2700K/CRI>90 / LED RGB 1x7,4W



Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

LED modules included. For power supply and dimming interface see LED drivers.

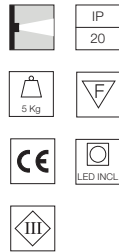
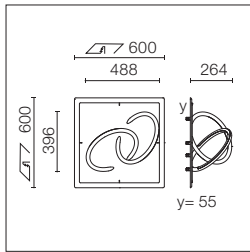
Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

LED White
SA.5020.5A120
SA.5020.5A180

LED RGB
SA.5020.6A120
SA.5020.6A180

Wall Piercing 2X Designed By Ron Gilad

Light Source: LED White 2x6,4W - 2x416 lm - 2700K/CRI>90 / LED RGB 2x7,4W



Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

LED modules included. For power supply and dimming interface see LED drivers.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

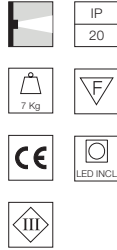
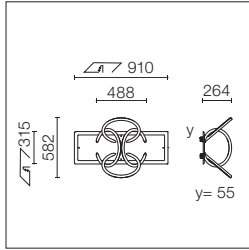
LED White
SA.5021.5A120
SA.5021.5A180

LED RGB
SA.5021.6A120
SA.5021.6A180



Wall Piercing 4X Designed By Ron Gilad

Light Source: LED White 4x6,4W - 4x416 lm - 2700K/CRI>90 / LED RGB 4x7,4W



Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

LED modules included. For power supply and dimming interface see LED drivers.

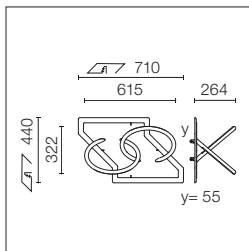
Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

LED White
 SA.5022.5A120
 SA.5022.5A180

LED RGB
 SA.5022.6A120
 SA.5022.6A180

Wall Piercing 2X Line Designed By Ron Gilad

Light Source: LED White 2x6,4W - 2x416 lm - 2700K/CRI>90 / LED RGB 2x7,4W



Soft technology semi-recessed luminaire for ceiling or wall mounting. Available in white LED or RGB versions. Control gear not included.

Luminaria semi-empotrada para ser instalada a techo o pared. Disponible en versiones de LED blanco o RGB. Equipo y controladores no incluidos.

LED modules included. For power supply and dimming interface see LED drivers.

Módulos LED incluidos. Para unidad de alimentación e interfaz regulable ver controladores LED.

LED White
 SA.5023.5A120
 SA.5023.5A180

LED RGB
 SA.5023.6A120
 SA.5023.6A180

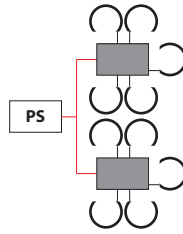


SOFT ARCHITECTURE | 3D

LED DRIVERS

For Wall Piercing

Non Dimmable



Wiring Cableado

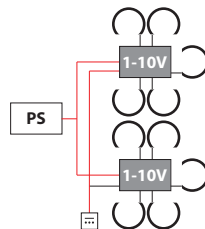
5 male pole distributor for easy connection with feed cable. It's able to connect up to 5 Wall Piercings. Electronic power supply not included.

Distribuidor macho de 5 polos para una fácil conexión con cable de alimentación. Posibilidad de conectar hasta 5 Wall Piercings. Unidad de alimentación electrónica no incluida.

White

06.1003.00

Dimmable 1-10V



Dimmable Interface Interfaz Regulable

1-10V interface. 5 pole distributor for easy connection integrated. It's able to connect up to 5 Wall Piercings. Electronic power supply not included.

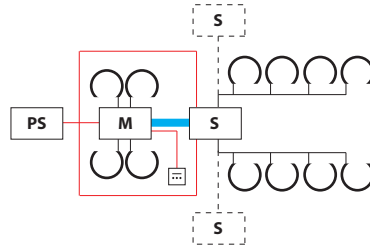
Interfaz de 1-10V. Distribuidor de 5 polos para una fácil conexión integrada. Posibilidad de conectar hasta 5 Wall Piercings. Unidad de alimentación electrónica no incluida.

White

06.1011.00

1-10V

Dimmable Interfaces Interfaces Regulables



DALI Master interface with 5 pole distributor for easy connection integrated. It's able to control up to 5 Wall Piercing. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DALI con distribuidor de 5 polos para una fácil conexión integrada. Posibilidad de controlar hasta 5 Wall Piercing. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White

06.1019.00

M

RGB

06.1012.00

M

DMX Master interface with 5 pole distributor for easy connection integrated. It's able to control up to 5 wall piercing. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DMX con distribuidor de 5 polos para una fácil conexión integrada 06.1005.00. Posibilidad de controlar hasta 5 Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1005.00

M

— Installer provides / El instalador lo suministra

SOFT ARCHITECTURE | 3D

LED DRIVERS

For Wall Piercing

Dimmable Interfaces Interfaces Regulables

Radio Frequency (RF) RGB Master interface with 5 pole distributor for easy connection integrated. Wall transmitter to make color changing integrated. It's able to control up to 5 Wall Piercings. If more Wall Piercings are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" RGB Radio Frecuencia (RF) con distribuidor de 5 polos para una fácil conexión integrada. Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar hasta 5 productos Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

Slave interface to expand the DALI/DMX/RF signal with two 5 pole distributors for easy connection. It's able to expand the Master signal in 10 Wall Piercings. If more Wall Piercings are in the same installation it's necessary to expand the signal with more Slave interfaces. Electronic power supply not included.

Interfaz "Slave" para ampliar la señal DALI/DMX/RF con dos distribuidores de 5 polos para una fácil conexión. Posibilidad de ampliar la señal "Master" en 10 Wall Piercings. Si existen más Wall Piercings en la misma instalación, es necesario ampliar la señal con más interfaces "Slave". Unidad de alimentación electrónica no incluida.

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.

White

RGB

06.1013.00

M

06.1020.00

S

06.1014.00

S

08.8297.00

08.8298.00

Power Suply / Unidad de Alimentación

Installation in False Ceiling Instalación en Falso Techo

PS

Electronic 25W / Electrónica 25W

Power supply / Fuente de alimentación
LED. 25W – 24V. 100-240V, 50-60Hz.

60.8703

Electronic 60W / Electrónica 60W

Power supply / Fuente de alimentación
LED. 60W – 24V. 100-240V, 50-60Hz.

60.9089

Electronic 120W / Electrónica 120W

Power supply / Fuente de alimentación
LED. 120W – 24V. 100-240V, 50-60Hz.

60.9407

Remote Installation Electrical Panel Instalación Remota en Cuadro Eléctrico

PS



Electronic 240W / Electrónica 240W

Power supply / Fuente de alimentación
LED. 240W – 24V. 100-240V, 50-60Hz.

60.8268

Installation Guidelines Tablas de Instalación

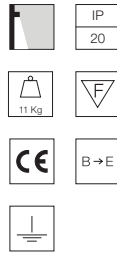
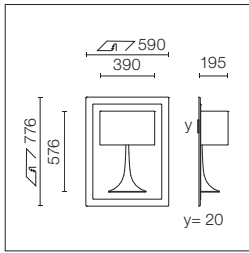
White/RGB

	20W	60W	100W	150W	240W
Wall Piercing	2	8	13	20	32
Cable section (installer provides) Sección de cable (el instalador lo suministra)	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²
Max distance Distancia máxima	5m	10m	15m	30m	50m
Max distance Distancia máxima	 20m				
Max distance Distancia máxima	 20m				

SOFT ARCHITECTURE | 3 D

Soft Spun Halogen Small Designed By Sebastian Wrong

Light Source: QT-DE-12 1xR7s - max 120W



Recessed luminaire for halogen lamp, direct connection to mains.

Luminaria empotrable para lámpara halógena directa a red.

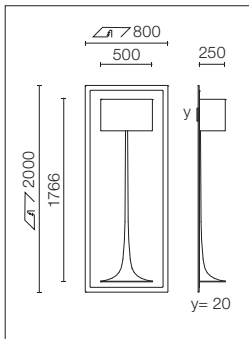
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5005.1

Soft Spun Halogen Large Designed By Sebastian Wrong

Light Source: QT-DE-12 1xR7s - 160W (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)



Recessed luminaire for halogen lamp, direct connection to mains. Electronic LED driver 220-240V / 50-60Hz integrated.

Luminaria empotrable para lámpara halógena directa a red. Conductor LED electrónico 220-240V / 50-60 Hz integrado.

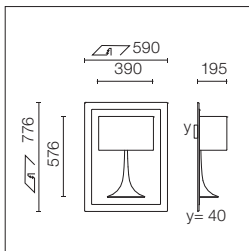
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5009.1

Soft Spun Fluorescent Small Designed By Sebastian Wrong

Light Source: TC-L 2x2G11 - 18W



Recessed luminaire for fluorescent lamp Non-dimmable 220/240V ballasts included.

Luminaria empotrable para lámpara fluorescente. Balastos 220/240V no dimables incluidos.

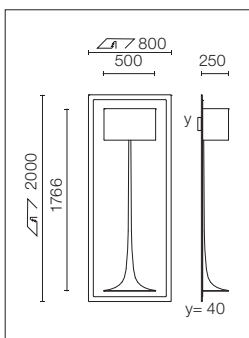
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5004.1

Soft Spun Fluorescent Large Designed By Sebastian Wrong

Light Source: TC-L 2x2G11 - 24W (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)



Recessed luminaire for fluorescent lamp Non-dimmable 220/240V ballasts included.

Luminaria empotrable para lámpara fluorescente. Balastos 220/240V no dimables incluidos.

From our Flos Home Collection catalogue.

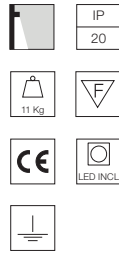
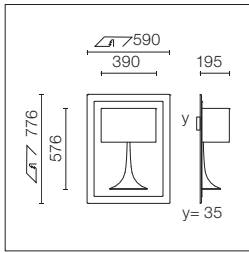
Del catálogo Home Collection de Flos.

SA.5008.1

SOFT ARCHITECTURE | 3 D

Soft Spun LED Small Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90



Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

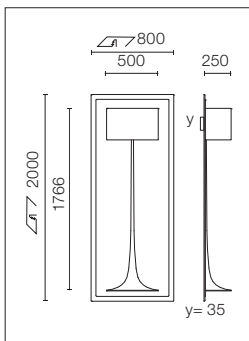
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5006.1D

Soft Spun LED Large Designed By Sebastian Wrong

Light Source: LED White 35W - 1800 lm - 3000K/CRI 90 (diffuser) / LED White 1,4W - 80 lm - 2700K/CRI>90 (base)



Recessed luminaire for LED lamp. Non-dimmable 220/240V power supply included.

Luminaria empotrable para lámpara LED. Alimentador 220/240V no dimable incluido.

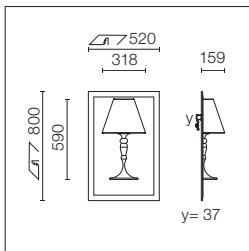
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5007.1D

Abajourd'hui Small Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 75W



Recessed luminaire with direct connection to mains.

Luminaria empotrable con alimentación directa a red.

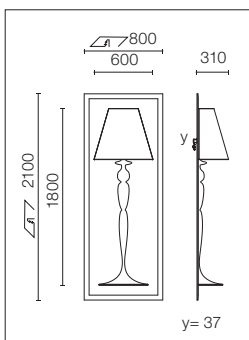
From our Flos Home Collection catalogue.

Del catálogo Home Collection de Flos.

SA.5001.1

Abajourd'hui Large Designed By Flos Soft Architecture

Light Source: QT-32 E27 - max 150W



Recessed luminaire with direct connection to mains.

Luminaria empotrable con alimentación directa a red.

From our Flos Home Collection catalogue.

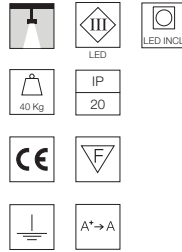
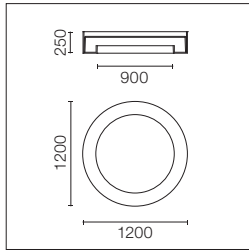
Del catálogo Home Collection de Flos.

SA.5000.1

SOFT ARCHITECTURE | 3D

Usl 100 Pluto Designed By Frank Wellens And Lynsey Leysen

Light Source: T5 FH 6xG5 - 14W - 7200 lm / T5 FQ 6xG5 - 24W - 10500 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K
LED White 45,5W - 13x3,5W - 2958 lm - 3000K/CRI 85 / LED RGB 22,75W - 13x1,75W - 1001 lm - RGB



Direct ceiling-mounted lighting system. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions. Suspension cable length 4 meters.

See LED drivers.

Sistema de iluminación directa para ser instalado a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Cable de suspensión de 4 metros de longitud.

Ver controladores LED.

T5 FH

Non Dimmable
SA.4004.4.100

Cold Cathode
SA.4004.4.300

LED RGB
SA.4004.6A100

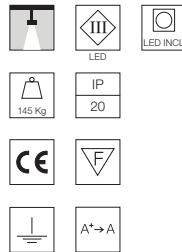
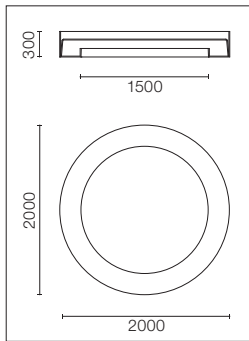
T5 FQ

Non Dimmable
SA.4004.4.200

LED White
SA.4004.5C110

Usl 200 Pluto Designed By Frank Wellens And Lynsey Leysen

Light Source: T5 FH 7xG5 - 21W - 13300 lm / T5 FQ 7xG5 - 39W - 21700 lm / Cold Cathode 161W - 4x40W - 13824 lm - 3000K
LED White 84W - 12x7W - 5460 lm - 3000K/CRI 85 / LED RGB 42W - 12x3,5W - 1848 lm - RGB



Direct ceiling-mounted lighting system. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions. Suspension cable length 4 meters.

See LED drivers.

Sistema de iluminación directa para ser instalado a techo. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Cable de suspensión de 4 metros de longitud.

Ver controladores LED.

T5 FH

Non Dimmable
SA.4005.4.100
Dimmable 1-10V
SA.4005.4.11V
Dimmable DSI-Dali
SA.4005.4.1DA

Cold Cathode
SA.4005.4.300

LED RGB
SA.4005.6A100

T5 FQ

Non Dimmable
SA.4005.4.200
Dimmable 1-10V
SA.4005.4.21V
Dimmable DSI-Dali
SA.4005.4.2DA

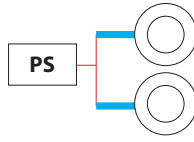
LED White
SA.4005.5C110

SOFT ARCHITECTURE | 3D

LED DRIVERS

For: USL 100 Pluto, USL 200 Pluto

Non Dimmable



Wiring Cableado

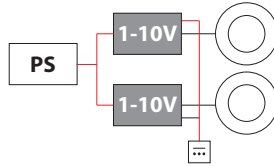
500mm feed cable for white LED modules with fast connection. Necessary one for each USL 100 and two for each USL 200. Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida. Es necesario uno por cada USL 100 y dos para cada USL 200. Unidad de alimentación electrónica no incluida.

White

06.1016.00

Dimmable 1-10V



Dimmable Interface Interfaz Regulable

1-10V interface. 5 pole distributor for easy connection integrated. Necessary one for each USL. Electronic power supply not included.

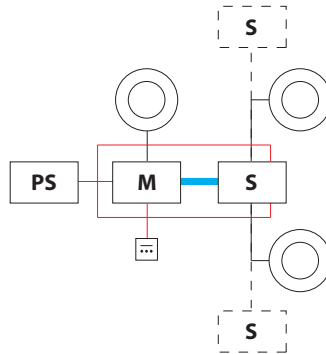
Interfaz de 1-10V. Distribuidor de 5 polos para una fácil conexión integrada. Es necesario uno por cada producto USL. Unidad de alimentación electrónica no incluida.

White

06.1022.00

1-10V

Dimmable Interfaces Interfaces Regulables



DALI Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. It's able to control one USL. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DALI con un distribuidor de 5 polos para una fácil conexión integrada. Posibilidad de controlar un producto USL. Si existe más de un producto USL en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White

06.1019.00

M

RGB

06.1012.00

M

DMX Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. It's able to control one USL. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DMX con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Posibilidad de controlar un producto USL. Si existe más de un producto USL en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1005.00

M

Radio Frequency (RF) RGB Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. Wall transmitter to make color changing integrated. It's able to control one USL. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" RGB Radio Frecuencia (RF) con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar un producto USL. Si existe más de un producto USL en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1013.00

M

— Installer provides / El instalador lo suministra

SOFT ARCHITECTURE | 3D

LED DRIVERS

For: USL 100 Pluto, USL 200 Pluto

Dimmable Interfaces Interfaces Regulables

Slave interface to expand the DALI/DMX/RF signal with two 5 pole distributors and two 500mm feed cables for easy connection. It's able to expand the Master signal in two USL. If more USLs are in the same installation it's necessary to expand the signal with more Slave interfaces. Electronic power supply not included.

Interfaz "Slave" para ampliar la señal DALI/DMX/RF con dos distribuidores de 5 polos y dos cables de alimentación de 500mm para una fácil conexión. Posibilidad de ampliar la señal "Master" en dos USL. Si existen más de dos productos USL en la misma instalación, es necesario ampliar la señal con más interfaces "Slave". Unidad de alimentación electrónica no incluida.

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.

	White	RGB
	06.1020.00 S	06.1014.00 S
	08.8297.00 S	08.8298.00 S

Power Supply / Unidad de Alimentación

Installation in False Ceiling Instalación en Falso Techo

	PS
Electronic 25W / Electrónica 25W Power supply / Fuente de alimentación LED. 25W – 24V. 100-240V, 50-60Hz.	60.8703
Electronic 60W / Electrónica 60W Power supply / Fuente de alimentación LED. 60W – 24V. 100-240V, 50-60Hz.	60.9089
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407






Remote Installation Electrical Panel Instalación Remota en Cuadro Eléctrico

	PS
Electronic 240W / Electrónica 240W Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

Installation Guidelines / Tablas de Instalación

White

RGB

	20W	60W	100W	150W	240W	20W	60W	100W	150W	240W
USL 100 Pluto	-	1	2	3	5	-	2	4	6	10
USL 200 Pluto	-	-	1	1	2	-	1	2	3	5
Cable section (installer provides) Sección de cable (el instalador lo suministra)	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²
Max distance Distancia máxima	 5m	10m	15m	30m	50m	5m	10m	15m	30m	50m
Max distance Distancia máxima		20m				20m				
Max distance Distancia máxima		20m				20m				
Max power LED connected for output Máxima potencia módulos LED conectados por salida		45W				45W				
Max power LED connected for output Máxima potencia módulos LED conectados por salida		45W				45W				



Uso Boob

USO Boob 600 1L



USO Boob 600 for Modular Ceiling



USO Boob 600 2L



USO Boob 100 1L



USL Out

USL 6031



USL 6031 Recessed



USL 6060 for Modular Ceiling

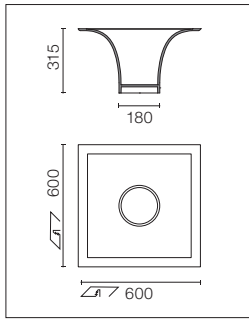


USL 900 Disk

USL 900 Disk On



USO Boob 600 1L Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure.
Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

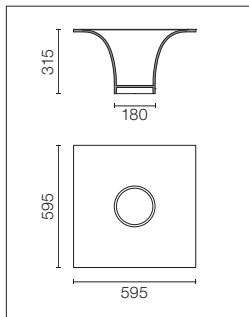
SA.1014.3.001
SA.1014.3.002
SA.1014.3.003
SA.1014.3.004
SA.1014.3.006
SA.1014.3.009

SA.1014.3.014
SA.1014.3.015
SA.1014.3.025
SA.1014.3.026
SA.1014.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Pure Downlight 1 NT*	Compass Ø162	Kap Ø145*	Pure Downlight 1 T	Decofix 1L Round
SA.1014.3.001	SA.1014.3.002	SA.1014.3.003	SA.1014.3.004	SA.1014.3.006	SA.1014.3.009	SA.1014.3.014	SA.1014.3.015	SA.1014.3.025
Light Soldier Fixed	Light Soldier Adjustable	* Frame No Trim included / Marco No Trim incluido No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado						
SA.1014.3.026	SA.1014.3.027							

USO Boob 600 For Modular Ceiling Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure.
Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

SA.1019.3.001
SA.1019.3.002
SA.1019.3.003
SA.1019.3.004
SA.1019.3.006
SA.1019.3.009

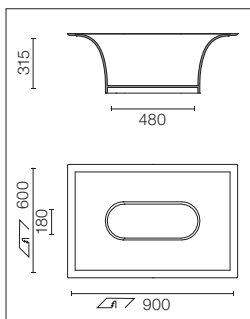
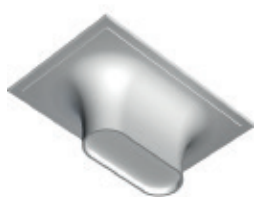
SA.1019.3.014
SA.1019.3.015
SA.1019.3.025
SA.1019.3.026
SA.1019.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Pure Downlight 1 NT*	Compass Ø162	Kap Ø145*	Pure Downlight 1 T	Decofix 1L Round
SA.1019.3.001	SA.1019.3.002	SA.1019.3.003	SA.1019.3.004	SA.1019.3.006	SA.1019.3.009	SA.1019.3.014	SA.1019.3.015	SA.1019.3.025
Light Soldier Fixed	Light Soldier Adjustable	* Frame No Trim included / Marco No Trim incluido No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado						
SA.1019.3.026	SA.1019.3.027							

SOFT ARCHITECTURE | OUT

USO Boob 600 2L Designed By Flos Soft Architecture



Soft technology architectural application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure
Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos arquitectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos arquitectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos arquitectural.

SA.1015.3.001
SA.1015.3.002
SA.1015.3.003
SA.1015.3.004
SA.1015.3.006
SA.1015.3.009

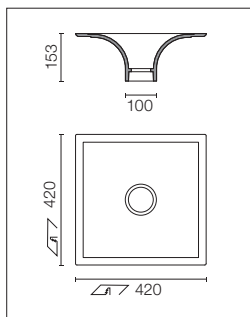
SA.1015.3.014
SA.1015.3.015
SA.1015.3.016
SA.1015.3.025
SA.1015.3.026
SA.1015.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Pure Downlight 1 NT*	Compass Ø162	Kap Ø145*	Pure Downlight 1 T	Kap Ø105*
SA.1015.3.001	SA.1015.3.002	SA.1015.3.003	SA.1015.3.004	SA.1015.3.006	SA.1015.3.009	SA.1015.3.014	SA.1015.3.015	SA.1015.3.016
Decofix 1L Round	Light Soldier Fixed	Light Soldier Adjustable	* Frame No Trim included / Marco No Trim incluido No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado					
SA.1015.3.025	SA.1015.3.026	SA.1015.3.027						

Use Boob 100 1L Designed By Flos Soft Architecture

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. Remote transformer not included: electronic transformer 12V. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge".

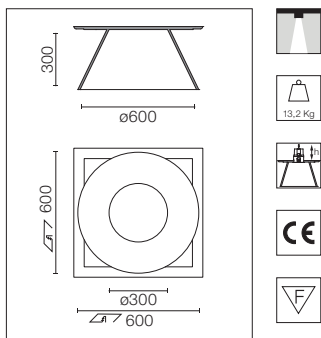
Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido: transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente).

SA.1012.3.019

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

SOFT ARCHITECTURE | OUT

USL 6031 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products. For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos arquitectural. Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos arquitectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos arquitectural.

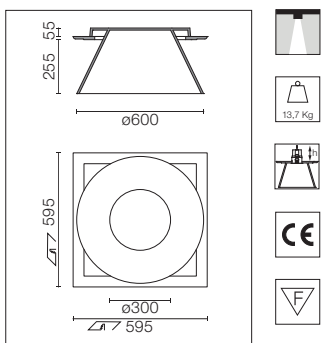
SA.4008.3.001
SA.4008.3.002
SA.4008.3.003
SA.4008.3.004
SA.4008.3.009

SA.4008.3.015
SA.4008.3.017
SA.4008.3.025
SA.4008.3.026
SA.4008.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
								
SA.4008.3.001 h=165	SA.4008.3.002 h=187	SA.4008.3.003 h=111	SA.4008.3.004 h=50	SA.4008.3.009 h=220	SA.4008.3.015 h=135	SA.4008.3.017 h=230	SA.4008.3.025 h=126	SA.4008.3.026 h=72
Light Soldier Adjustable 								
SA.4008.3.027 h=72								

USL 6031 Recessed Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products. For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos arquitectural. Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos arquitectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos arquitectural.

SA.4010.3.001
SA.4010.3.002
SA.4010.3.003
SA.4010.3.004
SA.4010.3.009

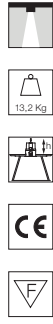
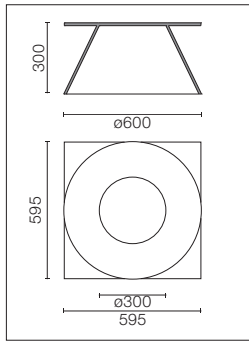
SA.4010.3.015
SA.4010.3.017
SA.4010.3.025
SA.4010.3.026
SA.4010.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
								
SA.4010.3.001 h=220	SA.4010.3.002 h=242	SA.4010.3.003 h=166	SA.4010.3.004 h=105	SA.4010.3.009 h=275	SA.4010.3.015 h=190	SA.4010.3.017 h=285	SA.4010.3.025 h=181	SA.4010.3.026 h=127
Light Soldier Adjustable 								
SA.4010.3.027 h=127								

SOFT ARCHITECTURE | OUT

USL 6060 for Modular Ceiling Designed By Flos Soft Architecture



Soft technology architectural application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure.
Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

SA.4009.3.001
SA.4009.3.002
SA.4009.3.003
SA.4009.3.004
SA.4009.3.009

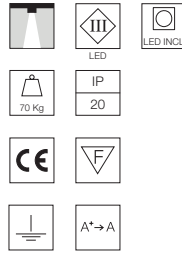
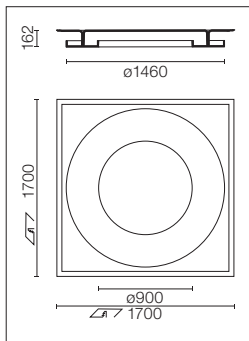
SA.4009.3.015
SA.4009.3.017
SA.4009.3.025
SA.4009.3.026
SA.4009.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
 SA.4009.3.001 h=165	 SA.4009.3.002 h=187	 SA.4009.3.003 h=111	 SA.4009.3.004 h=50	 SA.4009.3.009 h=220	 SA.4009.3.015 h=135	 SA.4009.3.017 h=230	 SA.4009.3.025 h=126	 SA.4009.3.026 h=72
Light Soldier Adjustable  SA.4009.3.027 h=72								

USL 900 Disk On Designed By Flos Soft Architecture

Light Source: T5 FH 13xG5 - 14W (6 Internal + 7 External) Internal: 7200 lm + 8400 lm
 T5 FQ 13xG5 - 24W (6 Internal + 7 External) Internal: 10500 lm + 12250 lm
 Cold Cathode: Internal: 90W (3x30W) + External: 120W (4x30W) - Internal: 7776 lm + 10367 lm - 3000K/CRI 85
 LED White: Internal: 45,5W (13x3,5W) + External: 63W (18x3,5W) - Internal: 3408 lm - External: 4095 lm - 3000K/CRI 85
 LED RGB: Internal: 22,75W (13x1,75W) + External: 31,5W (18x1,75W) Internal: 1001 lm - External: 1386 lm RGB



Soft technology semi-recessed luminaire for ceiling or wall mounting. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions. See LED drivers.

* LED versions only available for ceiling installation. Ask Flos technical dep. for wall installation.

Luminaria semi-empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo. Consultar dpto. técnico de Flos para instalación en pared.

T5 FH
 Non Dimmable
 SA.4006.4.100

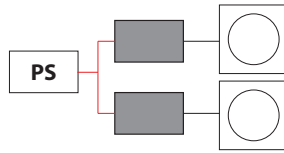
T5 FQ
 Non Dimmable
 SA.4006.4.200
 *LED White
 SA.4006.5C110
 Cold Cathode
 SA.4006.4.300
 *LED RGB
 SA.4006.6B100

SOFT ARCHITECTURE | OUT

LED DRIVERS

For USL 900 Disk On

Non Dimmable



Wiring Cableado

5 male pole distributor for easy connection with feed cable. Necessary 2 for each USL 900 Disk On. Electronic power supply not included.

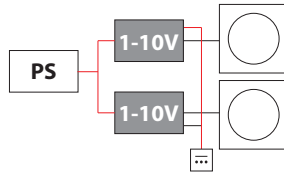
Distribuidor macho de 5 polos para una fácil conexión con cable de alimentación. Son necesarios 2 por cada USL 900 Disk On. Unidad de alimentación electrónica no incluida.

White

06.1003.00



Dimmable 1-10V



Dimmable Interface Interfaz Regulable

1-10V interface. 5 pole distributor for easy connection integrated. Necessary one for each USL 900 Disk On. Electronic power supply not included.

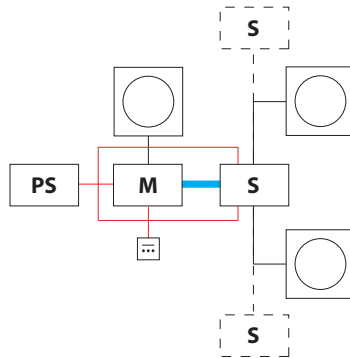
Interfaz de 1-10V. Distribuidor de 5 polos para una fácil conexión integrada. Es necesario uno por cada producto USL 900 Disk On. Unidad de alimentación electrónica no incluida.

White

06.1022.00



Dimmable Interfaces Interfaces Regulables



DALI Master interface with one 5 pole distributor and one 500 mm feed cable for easy connection. It's able to control one USL 900 Disk On. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DALI con un distribuidor de 5 polos y un cable de alimentación de 500 mm para una fácil conexión. Posibilidad de controlar un producto USL 900 Disk On. Si existe más de un producto USL 900 Disk On en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White

06.1019.00



RGB

06.1012.00



DMX Master interface with one 5 pole distributor and one 500 mm feed cable for easy connection. It's able to control one USL 900 Disk On. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DMX con un distribuidor de 5 polos y un cable de alimentación de 500 mm para una fácil conexión. Posibilidad de controlar un producto USL 900 Disk On. Si existe más de un producto USL 900 Disk On en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1005.00



Radio Frequency (RF) RGB Master interface with one 5 pole distributor and one 500 mm feed cable for easy connection. Wall transmitter to make color changing integrated. It's able to control one USL 900 Disk On. If more USLs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" RGB Radio Frecuencia (RF) con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar un producto USL 900 Disk On. Si existe más de un producto USL 900 Disk On en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1013.00



SOFT ARCHITECTURE | OUT

LED DRIVERS

For USL 900 Disk On





Dimmable Interfaces Interfaces Regulables

Slave interface to expand the DALI/DMX/RF signal with two 5 pole distributors and two 500 mm feed cables for easy connection. It's able to expand the Master signal in two USL 900 Disk On. If more USLs are in the same installation it's necessary to expand the signal with more Slave interfaces. Electronic power supply not included.

Interfaz "Slave" para ampliar la señal DALI/DMX/RF con dos distribuidores de 5 polos y dos cables de alimentación de 500 mm para una fácil conexión. Posibilidad de ampliar la señal "Master" en dos USL 900 Disk On. Si existe más de dos productos USL 900 Disk On en la misma instalación, es necesario ampliar la señal con más interfaces "Slave". Unidad de alimentación electrónica no incluida.

2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.

2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.

	White	RGB
	06.1020.00 	06.1014.00 
	08.8297.00 	08.8298.00 

Power Supply / Unidad de Alimentación

Installation in False Ceiling Instalación en Falso Techo



Electronic 25W / Electrónica 25W
Power supply / Fuente de alimentación
LED. 25W – 24V. 100-240V, 50-60Hz.

60.8703

Electronic 60W / Electrónica 60W
Power supply / Fuente de alimentación
LED. 60W – 24V. 100-240V, 50-60Hz.

60.9089

Electronic 120W / Electrónica 120W
Power supply / Fuente de alimentación
LED. 120W – 24V. 100-240V, 50-60Hz.

60.9407

Remote Installation Electrical Panel Instalación Remota en Cuadro Eléctrico








Electronic 240W / Electrónica 240W
Power supply / Fuente de alimentación
LED. 240W – 24V. 100-240V, 50-60Hz.

60.8268

Installation Guidelines / Tablas de Instalación

White

RGB

	20W	60W	100W	150W	240W
USL 900 Disk On	-	-	-	1	2
Cable section (installer provides) Sección de cable (el instalador lo suministra)	0,5mm ²	0,5mm ²	0,75mm ²	0,75mm ²	1mm ²
Max distance Distancia máxima	 5m	10m	15m	30m	50m
Max distance Distancia máxima		20m			
Max distance Distancia máxima		20m			
Max power LED connected for output Máxima potencia módulos LED conectados por salida		45W			
Max power LED connected for output Máxima potencia módulos LED conectados por salida		45W			







<p>Apps</p> 	<p>G-O In</p> 	<p>Teardrop</p> <p>Small / Medium / Large</p> 
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<p>USO</p>	<p>USO Kap 105 / 145</p> 	<p>USO 332</p> 	<p>USO 700</p> 	<p>USO 800</p> 	<p>USO 1000</p> 	<p>USO 1400</p> 
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<p>USO Cove Lighting</p>	<p>USO 900 Cove Lighting</p> 	<p>USO 1700 Cove Lighting</p> 	<p>USO 2200 Cove Lighting</p> 	<p>USO 2500 Cove Lighting</p> 	<p>USO 100 50 Cove Lighting</p> 	<p>USO 140 90 Cove Lighting</p> 
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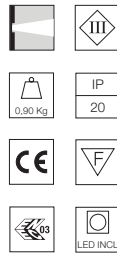
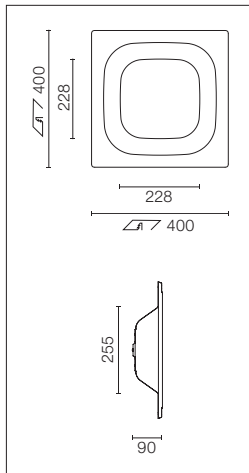
<p>Round Light</p> <p>Small / Medium / Large</p> 	<p>Square Light</p> <p>Small / Large</p> 	<p>Vertical Light</p> <p>Small / Large</p> 
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<p>USB Round</p>	<p>USB Round 1L</p> 	<p>USB Round 1L W-W</p> 	<p>USB Round 2L</p> 	<p>USB Round 2L W-W</p> 
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<p>USB Square</p>	<p>USB Square 1L</p> 	<p>USB Square 1L W-W</p> 	<p>USB Square 2L</p> 	<p>USB Square 2L W-W</p> 
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Apps Designed By Jorge Herrera

Light Source: LED Array 4W - 350 lm - 4000K/CRI 80



Recessed sign luminaire for indoor application. Power supply source not included: continuous current power supply of 350mA. 220/240V, 50/60Hz.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación no incluida: fuente de alimentación de corriente constante 350mA. 220/240V, 50/60Hz.

- 90° DIR**
 SA.5061.3.076
 SA.5061.3.00G
 SA.5061.3.0V3

- 45° DIR**
 SA.5062.3.076
 SA.5062.3.00G
 SA.5062.3.0V3

- WC Ladies**
 SA.5063.3.076
 SA.5063.3.00G
 SA.5063.3.0V3

- WC Men**
 SA.5064.3.076
 SA.5064.3.00G
 SA.5064.3.0V3

- WC**
 SA.5065.3.076
 SA.5065.3.00G
 SA.5065.3.0V3

- Bar**
 SA.5066.3.076
 SA.5066.3.00G
 SA.5066.3.0V3

- Restaurant**
 SA.5067.3.076
 SA.5067.3.00G
 SA.5067.3.0V3

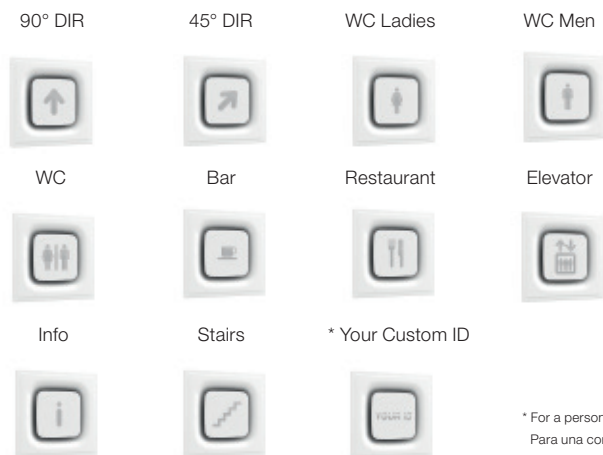
- Elevator**
 SA.5068.3.076
 SA.5068.3.00G
 SA.5068.3.0V3

- Info**
 SA.5069.3.076
 SA.5069.3.00G
 SA.5069.3.0V3

- Stairs**
 SA.5070.3.076
 SA.5070.3.00G
 SA.5070.3.0V3

Electrical / Equipos Electrónicos
60.8402

Signs
Señales



Peripheral Lighting Colours
Color de la Luz Perimetral



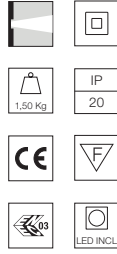
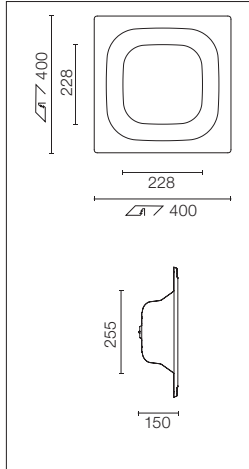
* For a personal colour scheme and sign pictogram please ask the Flos architectural sales staff.
Para una configuración personal de color y pictograma de la señal, consultar al equipo de ventas de Flos architectural.



reddot design award
winner 2012

Apps Emergency Designed By Jorge Herrera

Light Source: LED Array 4W - 350 lm - 4000K/CRI 80



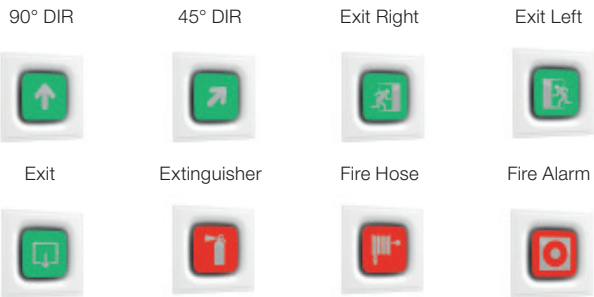
Recessed emergency sign luminaire for indoor application. Power supply source and emergency gear included. 4-hour autonomy, 80% Flow.

Luminaria empotrada de señalización de emergencia para aplicación interior. Fuente de alimentación y equipo de emergencia incluido. Autonomía 4 horas, flujo 80%.

- 90° DIR**
SA.5071.3.076
- Exit Right**
SA.5073.3.076
- Exit**
SA.5075.3.076
- Fire Hose**
SA.5077.3.076

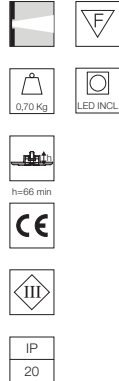
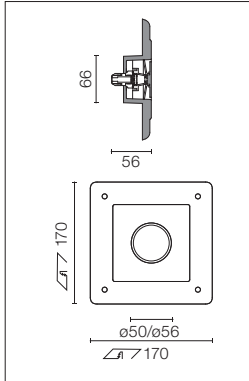
- 45° DIR**
SA.5072.3.076
- Exit Left**
SA.5074.3.076
- Extinguisher**
SA.5076.3.076
- Fire Alarm**
SA.5078.3.076

Signs
Señales



G-O In Designed By Jorge Herrera

Light Source: Top LED 1,2W - 24V - 105 lm - 3000K/CRI 90



Recessed sign luminaire for indoor application. Power supply source not included: electronic transformer with constant voltage (24V) for LED. 220/240V, 50/60Hz. It includes 1000mm power supply cable.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación no incluida: transformador electrónico de tensión constante (24V) para LED. 220/240V, 50/60Hz. Incluye cable de alimentación de 1000mm.

White Light / Luz Blanca
SA.5100.1A
Amber Light / Luz Ámbar
SA.5101.1A
Blue Light / Luz Azul
SA.5102.1A

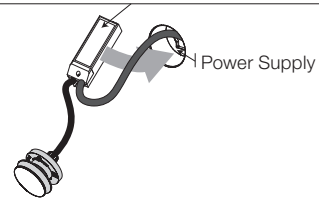
Electrical / Equipos Electrónicos
8W
60.9157

**Lighting Colours
Colores de la Luz**



Ensure correct polarity (+-) Red +/- Black.

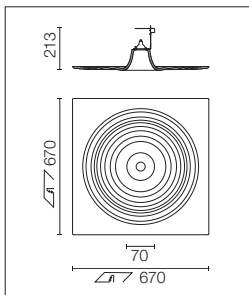
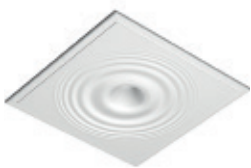
Asegure la correcta polaridad (+-) Rojo +/- Negro.



reddot design award
winner 2013

Teardrop Small Designed By Calvi Brambilla

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. Remote transformer not included: electronic transformer 12V. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge".

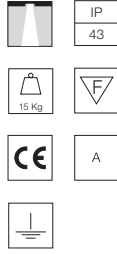
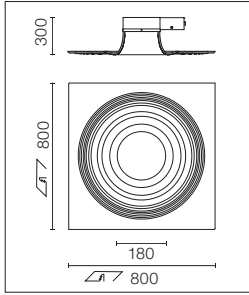
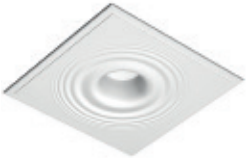
Luminaria empotrable para lámpara halógena de 12V. Transformador remoto no incluido: transformador electrónico 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge".

SA.1039.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Teardrop Medium Designed By Calvi Brambilla

Light Source: TC-DEL 2xG24q - 26W



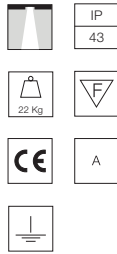
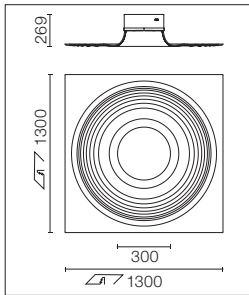
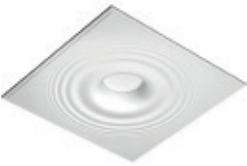
Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

Luminaria empotrable para lámpara fluorescente. Balastos no dimables 220-240V / 50-60Hz integrado.

SA.1040.1

Teardrop Large Designed By Calvi Brambilla

Light Source: TC-L 4x2G11 - 18W

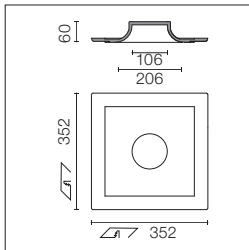
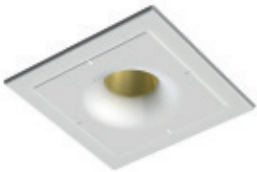


Recessed luminaire for fluorescent lamp. Non-dimmable ballasts 220-240V / 50-60Hz integrated.

Luminaria empotrable para lámpara fluorescente. Balastos no dimables 220-240V / 50-60Hz integrado.

SA.1041.1

USO Kap 105 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products. For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.



Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos arquitectural. Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos arquitectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos arquitectural.

SA.1034.3.001
SA.1034.3.016

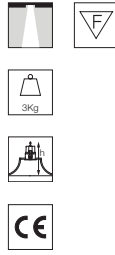
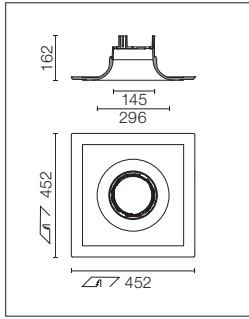
Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Kap Ø105*
	
SA.1034.3.001 h=225	SA.1034.3.016 h=290

* Frame No Trim included / Marco No Trim incluido
No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado

SOFT ARCHITECTURE | IN

USO Kap 145 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products. For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

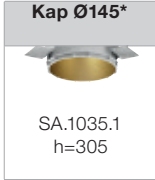
Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural. Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

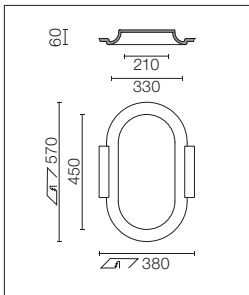
SA.1035.1

Flos architectural Recommended Products / Productos Flos architectural Recomendados



* Frame No Trim included / Marco No Trim incluido

USO 332 Designed By Flos Soft Architecture



Soft technology architectonic application for modular ceilings that permits perfect integration of the Flos architectural products. For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft para techos modulares que permite una perfecta integración de los productos Flos architectural. Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.

References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

SA.1001.3.001
SA.1001.3.002
SA.1001.3.003
SA.1001.3.004
SA.1001.3.006
SA.1001.3.009

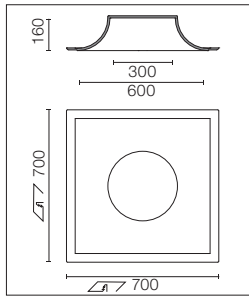
SA.1001.3.014
SA.1001.3.015
SA.1001.3.016
SA.1001.3.025
SA.1001.3.026
SA.1001.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Pure Downlight 1 NT*	Compass Ø162	Kap Ø145*	Pure Downlight 1 T	Kap Ø105*
SA.1001.3.001 h=225	SA.1001.3.002 h=247	SA.1001.3.003 h=171	SA.1001.3.004 h=110	SA.1001.3.006 h=198	SA.1001.3.009 h=280	SA.1001.3.014 h=290	SA.1001.3.015 h=195	SA.1001.3.016 h=290
Decofix 1L Round	Light Soldier Fixed	Light Soldier Adjustable	* Frame No Trim included / Marco No Trim incluido No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado					
SA.1001.3.025 h=186	SA.1001.3.026 h=132	SA.1001.3.027 h=132						

SOFT ARCHITECTURE | IN

USO 700 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.













References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

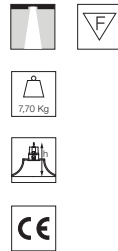
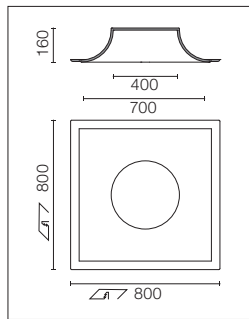
SA.1002.3.001
SA.1002.3.002
SA.1002.3.003
SA.1002.3.004
SA.1002.3.006
SA.1002.3.009

SA.1002.3.014
SA.1002.3.015
SA.1002.3.016
SA.1002.3.025
SA.1002.3.026
SA.1002.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Pure Downlight 1 NT*	Compass Ø162	Kap Ø145*	Pure Downlight 1 T	Kap Ø105*	
									
SA.1002.3.001 H=325	SA.1002.3.002 H=347	SA.1002.3.003 H=271	SA.1002.3.004 H=210	SA.1002.3.006 H=298	SA.1002.3.009 H=380	SA.1002.3.014 H=390	SA.1002.3.015 H=295	SA.1002.3.016 H=390	
Decofix 1L Round	Light Soldier Fixed	Light Soldier Adjustable	* Frame No Trim included / Marco No Trim incluido No Trim Frame excluded. To be ordered separately / Marco No Trim no incluido. Se ha de pedir por separado						
									
SA.1002.3.025 H=286	SA.1002.3.026 H=232	SA.1002.3.027 H=232							

USO 800 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

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SA.1003.3.002
SA.1003.3.003
SA.1003.3.004
SA.1003.3.009

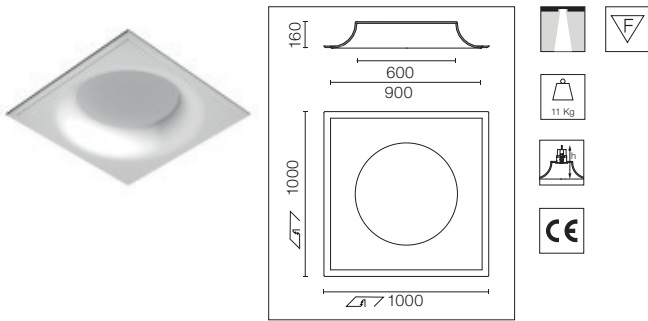
SA.1003.3.015
SA.1003.3.017
SA.1003.3.025
SA.1003.3.026
SA.1003.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
								
SA.1003.3.001 H=325	SA.1003.3.002 H=347	SA.1003.3.003 H=271	SA.1003.3.004 H=210	SA.1003.3.009 H=380	SA.1003.3.015 H=295	SA.1003.3.017 H=390	SA.1003.3.025 H=286	SA.1003.3.026 H=232
Light Soldier Adjustable								
								
SA.1003.3.027 H=232								

SOFT ARCHITECTURE | IN

USO 1000 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

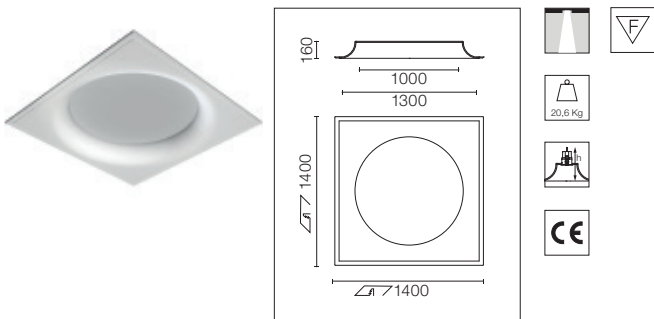
SA.1004.3.001
SA.1004.3.002
SA.1004.3.003
SA.1004.3.004
SA.1004.3.009

SA.1004.3.015
SA.1004.3.017
SA.1004.3.025
SA.1004.3.026
SA.1004.3.027

Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
								
SA.1004.3.001 H=325	SA.1004.3.002 H=347	SA.1004.3.003 H=271	SA.1004.3.004 H=210	SA.1004.3.009 H=380	SA.1004.3.015 H=295	SA.1004.3.017 H=390	SA.1004.3.025 H=286	SA.1004.3.026 H=232
Light Soldier Adjustable								
								
SA.1004.3.027 H=232								

USO 1400 Designed By Flos Soft Architecture



Soft technology architectonic application that permits perfect integration of the Flos architectural products.
For personal configuration, you can add light points in the structure. Ask Flos architectural sales team.

Aplicación arquitectónica de tecnología Soft que permite una perfecta integración de los productos Flos architectural.
Para una configuración personal, puede añadir puntos de luz en la estructura. Consultar al equipo de ventas de Flos architectural.











References do not include Flos architectural products.

Las referencias no incluyen los productos de Flos architectural.

SA.1005.3.001
SA.1005.3.002
SA.1005.3.003
SA.1005.3.004
SA.1005.3.009

SA.1005.3.015
SA.1005.3.017
SA.1005.3.025
SA.1005.3.026
SA.1005.3.027

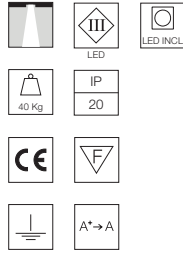
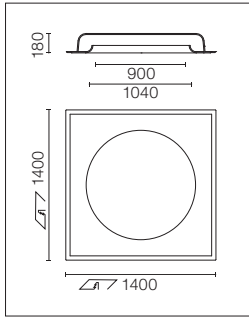
Flos architectural Recommended Products / Productos Flos architectural Recomendados

Light Sniper	Easy Kap Ø105	Wan Downlight	Wan Spot	Compass Ø162	Pure Downlight 1 T	Kap Ø145 165mm Hole	Decofix 1L Round	Light Soldier Fixed
								
SA.1005.3.001 H=325	SA.1005.3.002 H=347	SA.1005.3.003 H=271	SA.1005.3.004 H=210	SA.1005.3.009 H=380	SA.1005.3.015 H=295	SA.1005.3.017 H=390	SA.1005.3.025 H=286	SA.1005.3.026 H=232
Light Soldier Adjustable								
								
SA.1005.3.027 H=232								

SOFT ARCHITECTURE | IN

USO 900 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / T5 FQ 4xG5 - 39W - 12400 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7875 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED drivers.

* LED versions only available for ceiling installation.

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

T5 FH

Non Dimmable
SA.1006.4.100
Dimmable 1-10V
SA.1006.4.11V
Dimmable Dali
SA.1006.4.1DA

Cold Cathode
SA.1006.4.300

***LED RGB**
SA.1006.6D100

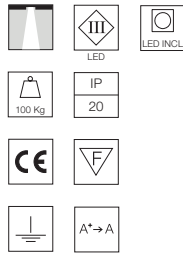
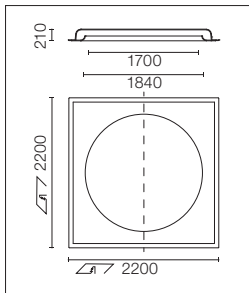
T5 FQ

Non Dimmable
SA.1006.4.200
Dimmable 1-10V
SA.1006.4.21V
Dimmable Dali
SA.1006.4.2DA

***LED White**
SA.1006.5D110

USO 1700 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 21W - 15200 lm / T5 FQ 8xG5 - 39W - 24800 lm / Cold Cathode 161W - 4x40W - 13824 lm - 3000K/CRI 85
LED White 136,8W - 38x3,6W - 14250 lm - 3000K/CRI 90 / LED RGB 136,8W - 38x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

* LED versions only available for ceiling installation.

Delivered in two pieces.

T5 FH

Non Dimmable
SA.1007.4.100
Dimmable 1-10V
SA.1007.4.11V
Dimmable Dali
SA.1007.4.1DA

Cold Cathode
SA.1007.4.300

***LED RGB**
SA.1007.6D100

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

Se sirve en dos piezas.

T5 FQ

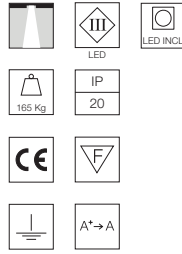
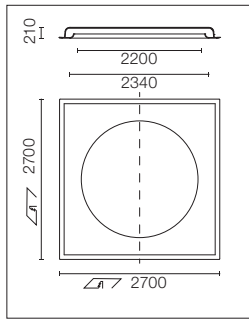
Non Dimmable
SA.1007.4.200
Dimmable 1-10V
SA.1007.4.21V
Dimmable Dali
SA.1007.4.2DA

***LED White**
SA.1007.5D110

SOFT ARCHITECTURE | IN

USO 2200 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 205W - 4x51W - 17568 lm - 3000K/CRI 85
LED White 180W - 50x3,6W - 18750 lm - 3000K/CRI 90 / LED RGB 180W - 50x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

* LED versions only available for ceiling installation.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

Se sirve en dos piezas.

T5 FH

Non Dimmable
SA.1008.4.100
Dimmable 1-10V
SA.1008.4.11V
Dimmable Dali
SA.1008.4.1DA

Cold Cathode
SA.1008.4.300

***LED RGB**
SA.1008.6D100

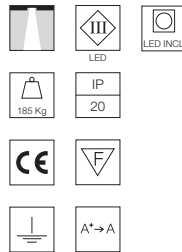
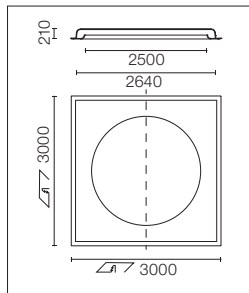
T5 FQ

Non Dimmable
SA.1008.4.200
Dimmable 1-10V
SA.1008.4.21V
Dimmable Dali
SA.1008.4.2DA

***LED White**
SA.1008.5D110

USO 2500 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 8xG5 - 28W - 20800 lm / T5 FQ 8xG5 - 54W - 35600 lm / Cold Cathode 230W - 19728 lm - 3000K/CRI 85
LED White 194W - 54x3,6W - 20250 lm - 3000K/CRI 90 / LED RGB 194W - 54x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

* LED versions only available for ceiling installation.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

Se sirve en dos piezas.

T5 FH

Non Dimmable
SA.1009.4.100
Dimmable 1-10V
SA.1009.4.11V
Dimmable Dali
SA.1009.4.1DA

Cold Cathode
SA.1009.4.300

***LED RGB**
SA.1009.6D100

T5 FQ

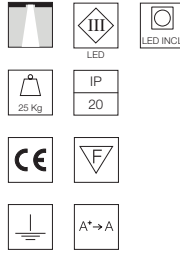
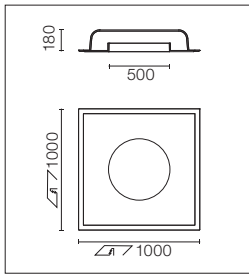
Non Dimmable
SA.1009.4.200
Dimmable 1-10V
SA.1009.4.21V
Dimmable Dali
SA.1009.4.2DA

***LED White**
SA.1009.5D110

SOFT ARCHITECTURE | IN

USO 100 50 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 14W - 4800 lm / T5 FQ 4xG5 - 24W - 7000 lm / Cold Cathode 58W - 3x19W - 4968 lm - 3000K/CRI 85
LED White 57,6W - 16x3,6W - 6000 lm - 3000K/CRI 90 / LED RGB 57,6W - 16x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

* LED versions only available for ceiling installation.

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

T5 FH

Non Dimmable
SA.1010.4.100

Cold Cathode

SA.1010.4.300

*LED RGB

SA.1010.6D100

T5 FQ

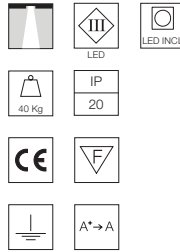
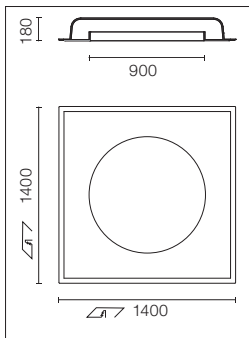
Non Dimmable
SA.1010.4.200

*LED White

SA.1010.5D110

USO 140 90 Cove Lighting Designed By Flos Soft Architecture

Light Source: T5 FH 4xG5 - 21W - 7600 lm / T5 FQ 4xG5 - 39W - 12400 lm / Cold Cathode 90W - 3x30W - 7776 lm - 3000K/CRI 85
LED White 75,6W - 21x3,6W - 7805 lm - 3000K/CRI 90 / LED RGB 75,6W - 21x3,6W



Recessed ceiling or wall-mounted luminaire. Direct lighting with fluorescent, cold cathode or LED lamps. Control gear not included in LED versions.

See LED LED drivers.

* LED versions only available for ceiling installation.

Delivered in two pieces.

Luminaria empotrada para ser instalada a techo o pared. Iluminación directa con lámparas de fluorescencia, cátodo frío o LED. Equipos no incluidos en las versiones LED. Ver controladores LED.

* Las versiones LED solo disponibles para instalación a techo.

Se sirve en dos piezas.

T5 FH

Non Dimmable
SA.1011.4.100
Dimmable 1-10V
SA.1011.4.11V
Dimmable Dali
SA.1011.4.1DA

Cold Cathode

SA.1011.4.300

*LED RGB

SA.1011.6D100

T5 FQ

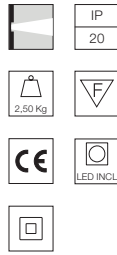
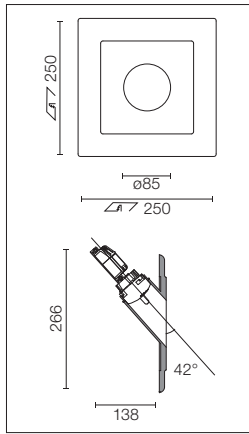
Non Dimmable
SA.1011.4.200
Dimmable 1-10V
SA.1011.4.21V
Dimmable Dali
SA.1011.4.2DA

*LED White

SA.1011.5D110

Round Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90



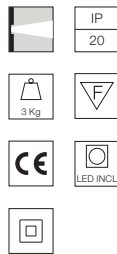
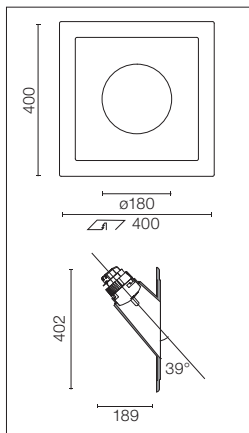
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3010.1C

Round Light Medium Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 90



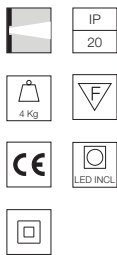
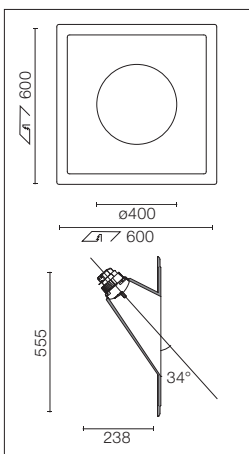
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3011.1B

Round Light Large Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 90



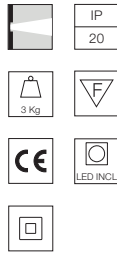
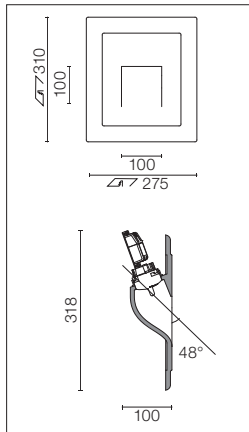
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3012.1B

Square Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90



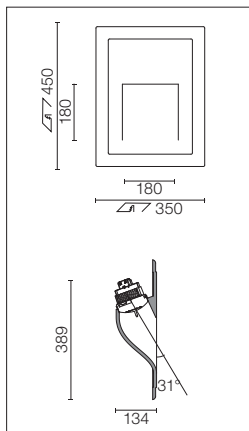
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3013.1C

Square Light Large Designed By Flos Soft Architecture

Light Source: LED White 7W - 720 lm - 3000K/CRI > 80



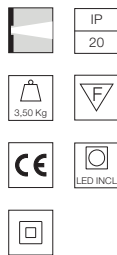
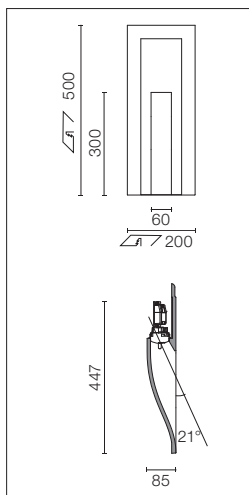
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3014.1B

Vertical Light Small Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90



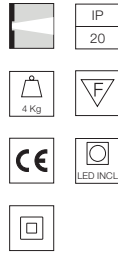
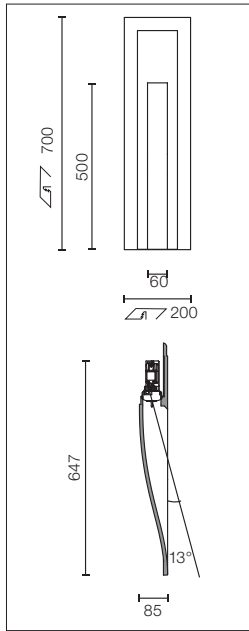
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3015.1C

Vertical Light Large Designed By Flos Soft Architecture

Light Source: LED White 1W - 60 lm - 3000K/CRI > 90



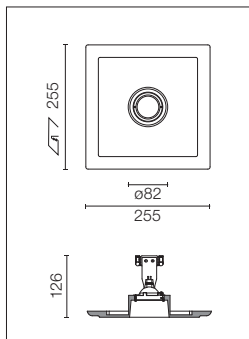
Recessed sign luminaire for indoor application. 100/240V power supply source included.

Luminaria empotrada de señalización para aplicación interior. Fuente de alimentación 100/240V incluida.

SA.3016.1C

USB Round 1L Designed By Flos Soft Architecture

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3017.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accesorios

Anti-Glare.
40° cut-off accessory ring.

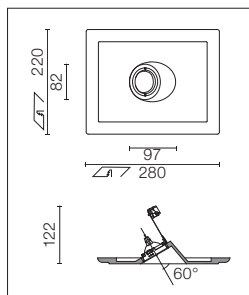
Antideslumbramiento.
Accesorio cut-off 40°.



08.8270.00

USB Round 1L W-W Designed By Flos Soft Architecture

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

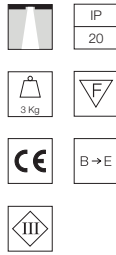
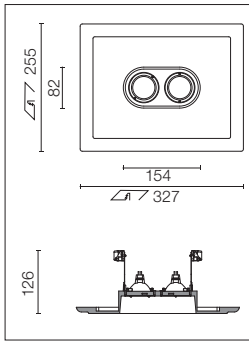
Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3019.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Round 2L Designed By Flos Soft Architecture

Light Source: QR-CBC-51 2xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3018.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accesorios

Anti-Glare.
40° cut-off accessory ring.

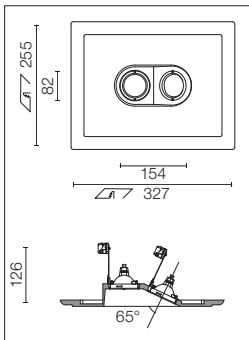
Antideslumbramiento.
Accesorio cut-off 40°.



■ 08.8270.00

USB Round 2L W-W Designed By Flos Soft Architecture

Light Source: QR-CBC-51 2xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

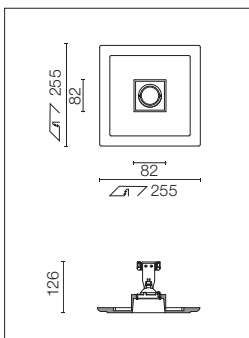
Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3020.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Square 1L Designed By Flos Soft Architecture

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3021.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accesorios

Anti-Glare.
40° cut-off accessory ring.

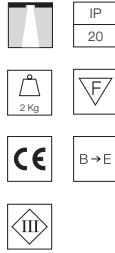
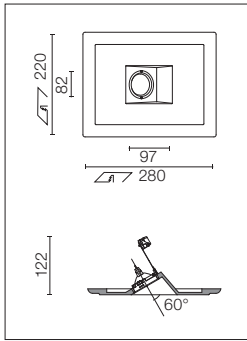
Antideslumbramiento.
Accesorio cut-off 40°.



■ 08.8270.00

USB Square 1L W-W Designed By Flos Soft Architecture

Light Source: QR-CBC-51 1xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

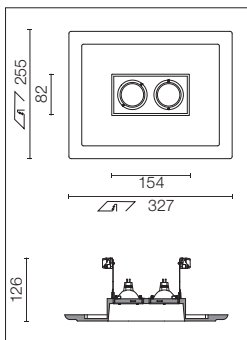
Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3009.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

USB Square 2L Designed By Flos Soft Architecture

Light Source: QR-CBC-51 2xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3022.1

Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

Accessories / Accesorios

Anti-Glare.
40° cut-off accessory ring.

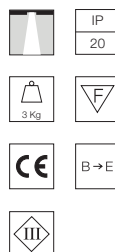
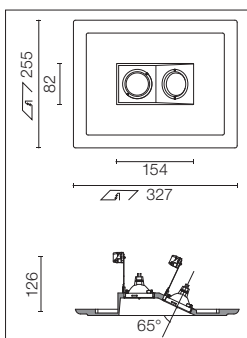
Antideslumbramiento.
Accesorio cut-off 40°.



08.8270.00

USB Square 2L W-W Designed By Flos Soft Architecture

Light Source: QR-CBC-51 2xGU5.3 - max 50W



Recessed luminaire for 12V halogen lamp. 220/240V, 50/60Hz. Adjustable by means of "leading and trailing edge". Remote transformer not included.

Luminaria empotrable para lámpara halógena de 12V. 220/240V, 50/60Hz. Posibilidad de regulación "leading and trailing edge" (fase ascendente y descendente). Transformador remoto no incluido.

SA.3023.1

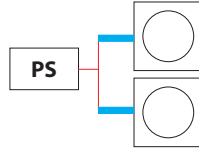
Electrical / Equipos Electrónicos
50/70W
60.9398
105W
60.9424

SOFT ARCHITECTURE | IN

LED DRIVERS

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Non Dimmable



Wiring Cableado

500mm feed cable for white LED modules with fast connection.
Electronic power supply not included.

500mm de cable de alimentación para módulos LED blancos con conexión rápida.
Unidad de alimentación electrónica no incluida.

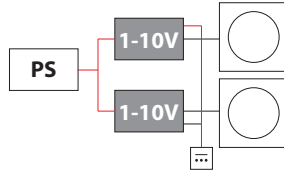
White

06.1016.00

RGB

06.1049.00

Dimmable 1-10V



Dimmable Interface Interfaz Regulable

1-10V dimmable interface with 500mm feed cable for white LED modules with fast connection. Electronic power supply not included.

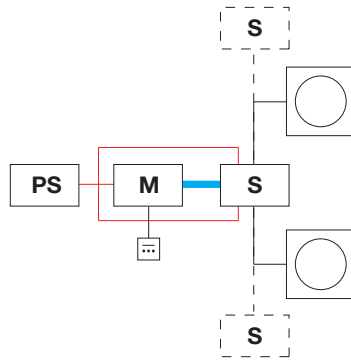
Interfaz regulable de 1-10V con 500mm de cable de alimentación para módulos LED blancos con conexión rápida. Unidad de alimentación electrónica no incluida.

White

06.1022.00

1-10V

Dimmable Interfaces Interfaces Regulables



DALI Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DALI con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

White

06.1019.00

M

RGB

06.1012.00

M

DMX Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" DMX con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1005.00

M

Radio Frequency (RF) RGB Master interface with one 5 pole distributor and one 500mm feed cable for easy connection. Wall transmitter to make color changing integrated. It's able to control one USO. If more USOs are in the same installation it's necessary to expand the signal with Slave interfaces. Electronic power supply not included.

Interfaz "Master" RGB Radio Frecuencia (RF) con un distribuidor de 5 polos y un cable de alimentación de 500mm para una fácil conexión. Transmisor de pared integrado para crear cambios de color. Posibilidad de controlar un producto USO. Si existe más de un producto USO en la misma instalación, es necesario ampliar la señal con interfaces "Slave". Unidad de alimentación electrónica no incluida.

06.1013.00

M

— Installer provides / El instalador lo suministra

SOFT ARCHITECTURE | IN

LED DRIVERS

For: USO Cove Lighting: USO 900 C.L., USO 1700 C.L., USO 2200 C.L., USO 2500 C.L., USO 100 50 C.L., USO 140 90 C.L.

Dimmable Interfaces Interfaces Regulables

Slave interface to expand the control signal with two 500mm feed cables for easy connection. It's able to expand the Master signal in two USOs. Electronic power supply not included.

Interfaz "Slave" para ampliar la señal de control con dos cables de alimentación de 500mm para una fácil conexión. Posibilidad de ampliar la señal "Master" en dos USO. Unidad de alimentación electrónica no incluida.

	White	RGB
Slave interface to expand the control signal with two 500mm feed cables for easy connection. It's able to expand the Master signal in two USOs. Electronic power supply not included.	06.1022.00 S	06.1014.00 S
2 meters prolongation cable for LED modules with fast connection. Can be connected with each other to greater length. 20 meters max.	08.8297.00 —	08.8298.00 —
2 metros de prolongación de cable para módulos LED con conexión rápida. Pueden conectarse entre sí para una mayor longitud. 20 metros máximo.		

Power Supply / Unidad de Alimentación

	PS		PS
Electronic 100W / Electrónica 100W Power supply / Fuente de alimentación LED. 100W – 24V. 100-240V, 50-60Hz.	60.9443	Electronic 200W / Electrónica 200W Power supply / Fuente de alimentación LED. 200W – 24V. 100-240V, 50-60Hz.	60.9352
Electronic 120W / Electrónica 120W Power supply / Fuente de alimentación LED. 120W – 24V. 100-240V, 50-60Hz.	60.9407	Electronic 240W / Electrónica 240W Power supply / Fuente de alimentación LED. 240W – 24V. 100-240V, 50-60Hz.	60.8268

Installation Guidelines Tablas de Instalación

REFERENCE	POWER (W)	LED MODULES	POWER SUPPLY UNITS	MAX. Distance			LED WHITE			RGB		
				PS-	M-S		NO DIM	1-10V	DALI	DALI	DMX	RF
USO 100 50 Cove Lighting WHT: SA.1010.5D110 RGB: SA.1010.6D110	58	12 + 4 for corners (16)	100W 60.9443	15m (0,75 mm²)	20m	20m	2x (06.1016.00) FEED CABLE	06.1016.00 FEED CABLE + 06.1022.00 MASTER 1-10V	06.1016.00 FEED CABLE + 06.1019.00 DALI MASTER	06.1012.00 MASTER DALI + 06.1014.00 SLAVE	06.1005.00 MASTER DMX + 06.1014.00 SLAVE	06.1013.00 MASTER RF + 06.1014.00 SLAVE
USO 140 90 Cove Lighting WHT: SA.1011.5D110 RGB: SA.1011.6D110	76	17 + 4 for corners (21)						2x (06.1016.00) FEED CABLE + 06.1022.00 MASTER 1-10V	2x (06.1016.00) FEED CABLE + 06.1019.00 DALI MASTER			
USO 900 Cove Lighting WHT: SA.1006.5D110 RGB: SA.1006.6D110												
USO 1700 Cove Lighting WHT: SA.1007.5D110 RGB: SA.1007.6D110	137	30 + 8 for corners (38)	200W 60.9352	40m (1 mm²)	20m	20m	4x (06.1016.00) FEED CABLE	3x (06.1016.00) FEED CABLE + 1x (06.1019.00) DALI MASTER + 2x (06.1022.00) MASTER 1-10V	3x (06.1016.00) FEED CABLE + 1x (06.1019.00) DALI MASTER + 1x (06.1020.00) SLAVE WHITE + 2x (06.1022.00) REPEATER PWM	06.1012.00 MASTER DALI + 2x (06.1014.00)* SLAVE	06.1005.00 MASTER DMX + 2x (06.1014.00)* SLAVE	06.1013.00 MASTER RF + 2x (06.1014.00)* SLAVE
USO 2200 Cove Lighting WHT: SA.1008.5D110 RGB: SA.1008.6D110	180	38 + 12 for corners (50)	240W 60.8268				5x (06.1016.00) FEED CABLE	5x (06.1016.00) FEED CABLE + 2x (06.1022.00) MASTER 1-10V	5x (06.1016.00) FEED CABLE + 1x (06.1019.00) DALI MASTER + 1x (06.1020.00) SLAVE WHITE + 2x (06.1022.00) REPEATER PWM			
USO 2500 Cove Lighting WHT: SA.1009.5D110 RGB: SA.1009.6D110	194	42 + 12 for corners (54)										

* For USO 2500 Cove Lighting RGB
1st Slave: 12 + 12 LED modules
2nd Slave: 10 + 10 + 10 LED modules

For more detailed information, please refer to the instruction sheet. For a more complex installation, please consult the technical department. / Para información más detallada, consulte la hoja de instrucciones. Para una instalación más compleja, consulte al departamento técnico.



COMPOSITE CHARACTERISTICS CARACTERÍSTICAS DEL COMPOSITE



PHYSICAL CHARACTERISTICS

Water Penetration

The material shall be suitable for all internal application, and shall not absorb moisture which may be present through excessive humidity. The material should not be used externally.

Reaction to Fire test for building products

The product Soft Architecture is classified as A1 or A1fl, according to UNE-EN 13501-1: 07, and test methods UNE-EN ISO 1716:02 and UNE-EN ISO 1182:02.

Chemical Resistance

The material shall not be exposed to liquid chemicals or deliquesced crystals.

Thermal Insulation

The material shall have a thermal conductivity value not greater than 0.47W/m. deg K.

Density

The material have a medium density of 1323 Kg/m3.

Structural Characteristics

The material shall have the following characteristics (following EN 13279-2:2006).

Flexion max load: 139N at 7.2mm thickness.

Compression: compression max load shall be bigger than 10000N.

Hardness: Shore C hardness shall be above 90.

CARACTERÍSTICAS FÍSICAS

Infiltración de Agua

El material es adecuado para todas las aplicaciones internas y no absorberá el vapor que se produzca por la excesiva humedad. El material no puede ser usado externamente.

Prueba de resistencia al Fuego para productos de construcción

El producto Soft Architecture está clasificado como A1 o A1fl, conforme a las normas UNE-EN 13501-1: 07, y los métodos de prueba UNE-EN ISO 1716:02 y UNE-EN ISO 1182:02.

Resistencia Química

El material no será expuesto a productos químicos líquidos ó cristales delicados.

Aislamiento Térmico

El material tiene un valor de conductividad térmica no superior a 0,47W/m2. deg K.

Densidad

El material tiene una densidad media de 1,65Kg/l.

Características Estructurales

El material tiene las siguientes características (según la norma EN 13279-2:2006).

Desviación máxima de carga: 139N a 7,2mm de espesor.

Compresión: la carga máxima de compresión es superior a 10000N.

Dureza: la dureza Shore C-80.

FEATURES OF MATERIALS

Water Eco Efficiency

Clean water from drinking network is used in correct proportion to provide optimum workability. Water is cyclically re-used through special filters to prevent ecologic damages to nature before disposal.

Mould Release Agents

Proprietary mould release agents are incorporated or applied externally to the mould surface, to optimize cycle time and to achieve consistency of surface finish. These agents shall not have any adverse effect upon the surface of the produced item.

CARACTERÍSTICAS DE LOS MATERIALES

Eco Rendimiento del Agua

El agua potable se utiliza en la proporción correcta para ofrecer una óptima utilidad. El agua es reutilizada ciclicamente a través de filtros especiales que previenen daños ecológicos antes de ser reutilizada en el medio ambiente.

Productos de desmolde

Productos de desmolde patentados son incorporados o aplicados externamente a la superficie del molde, para optimizar el tiempo del ciclo y añadir consistencia al acabado. Estos productos no tienen ningún efecto adverso en la superficie de los productos fabricados.

DESIGN & MANUFACTURING

Design

Latest 3D technology has been applied to develop all components. They are being manufactured and designed in accordance with a fully documented quality assurance system complying with ISO 9001:2008.

DISEÑO & FABRICACIÓN

Diseño

Se ha aplicado la última tecnología 3D para desarrollar todos los componentes. Han sido fabricados y diseñados de acuerdo con un sistema de garantía de calidad totalmente documentado cumpliendo con la norma ISO 9001:2008.

QUALITY CONTROL

General

All components are individually inspected to prevent surface or manufacturing defects.

Normative: UNE-EN 13815: 06; UNE-EN 14246: 07.

Squareness

All components are individually inspected to prevent manufacturing defects bigger than 0.5mm to 500mm from corner.

Flatness

All components are individually inspected to prevent flatness manufacturing defects bigger than 1mm in 1m.

Thickness

All components for continuous ceilings are individually inspected to prevent changes bigger than 2mm in mean target thickness.

Dimensional Tolerance

All components are individually inspected to prevent dimensional tolerance above +/- 3mm.

For more info see www.soft-architecture.com.

Eflorescence

All components with illuminated/visible surface are individually inspected to prevent light efflorescence .

Handmade

This product has been manufactured by hand. Any imperfection is because of its handcrafted process.

CONTROL DE CALIDAD

General

Todos los componentes son inspeccionados individualmente para prevenir defectos superficiales o de fabricación.

Normativa: UNE-EN 13815: 06; UNE-EN 14246: 07.

Área

Todos los componentes son inspeccionados individualmente para prevenir defectos de fabricación mayores de 0,5mm a 500mm desde el ángulo.

Uniformidad

Todos los componentes son inspeccionados individualmente para prevenir defectos de uniformidad de fabricación mayores de 1mm en 1m.

Espesor

Todos los componentes para techos continuos son individualmente inspeccionados para prevenir cambios superiores a 2mm de promedio como objetivo de espesor.

Tolerancia Dimensional

Todos los componentes son inspeccionados individualmente para prevenir la tolerancia dimensional por encima de +/- 3mm.

Más información en www.soft-architecture.com.

Eflorescencia

Todos los componentes con la superficie iluminada/visible son inspeccionados individualmente para prevenir la eflorescencia.

Hecho a mano

Este producto ha sido fabricado a mano. Cualquier posible imperfección es debida a su proceso de fabricación artesanal.



COMMON TERMS TÉRMINOS COMUNES



CRADLE TO CRADLE

Soft Architecture is designed to last and to minimize the harmful effects on the natural environment during production. sustainability, innovation and quality are our main goals, inspired by nature.

CRADLE TO CRADLE

Soft Architecture está diseñado para resistir y minimizar los efectos nocivos sobre el medio ambiente durante la producción. Sostenibilidad, innovación y calidad son nuestros principales objetivos, inspirados por la naturaleza.

1-10V

1-10 V is one of the earliest and simplest electronic lighting control. The control signal is a DC voltage that varies between one and ten volts. The controlled lighting should scale its output so that at 10 V, the controlled light should be at 100% of its potential output, and at 1 V it should be at 0% output (i.e. "Off").

1-10V

1-10V es uno de los primeros y más simples controles de iluminación electrónica. La señal de control es una tensión de corriente continua que varía entre uno y diez voltios. La iluminación controlada debería aumentar su producción de manera que a 10 V. la luz controlada estaría al 100% de su potencial producción , y a 1 V. estaría al 0% de su producción (es decir "apagada").

CRI

The color rendering index (CRI) is a quantitative measure of the ability of a light source to reproduce the colors of various objects faithfully in comparison with an ideal or natural light source. Light sources with a high CRI are desirable in color-critical applications.

CRI

El índice de reproducción cromática (IRC) es una medida cuantitativa de la capacidad de una fuente de luz para reproducir fielmente los colores de varios objetos en comparación con una fuente de luz ideal o natural. Las fuentes de luz con un alto IRC son aconsejables en aplicaciones de color críticas.

DALI

Digital Addressable Lighting Interface (DALI) is a technical standard for network-based systems that control lighting in buildings. The DALI standard encompasses the communications protocol and electrical interface for lighting control networks.

DALI

Interfaz Digital de Iluminación Direccional (DALI) es un estándar técnico para sistemas basados en la red que controlan la iluminación en los edificios. El estándar DALI abarca el protocolo de comunicaciones y la interfaz eléctrica para las redes de control de iluminación.

DIMMER

Dimmers are devices used to vary the brightness of a light.

DIMMER (REGULADOR DE VOLTAJE)

Los Dimmers son dispositivos utilizados para variar la intensidad de la luz.

DMX

DMX is a standard for digital communication networks that are commonly used to control stage lighting. Allows to program the colour regulation and variation for RGB.

DMX

DMX es un estándar para redes de comunicación digital que son comúnmente utilizadas para controlar la iluminación de escenario. Permite programar la regulación de color y variación para RGB.

KELVIN

The kelvin is used in the measure of the color temperature of light sources. Color temperature is a characteristic of visible light that has important applications in lighting because indicates if the light is warm (low color temperatures) or cold (high color temperatures).

KELVIN

El kelvin se utiliza para medir la temperatura del color de fuentes de iluminación. La temperatura del color es una característica de la luz visible que tiene importantes aplicaciones en iluminación porque indica si la luz es cálida (temperaturas de color bajas) o fría (temperaturas de color altas).

LUMEN

The lumen (symbol: lm) is the SI unit of luminous flux, a measure of the power of light perceived by the human eye.

LUMEN

El lumen (símbolo: lm) es la unidad SI de flujo luminoso, una medida de la potencia de la luz percibida por el ojo humano.

MASTER INTERFACE

The master interface it is an electronic device which receives the signal (DALI/DMX/...) and returns a modulated signal for the LED. It's able to control the light with a maximum power load.

INTERFAZ MASTER

La interfaz Master es un dispositivo electrónico que recibe la señal (DALI/DMX/...) y devuelve una señal modulada para el LED. Es posible controlar la luz con una potencia máxima de carga.

POWER SUPPLY

A power supply is a device that supplies electrical energy to one or more electric loads.

UNIDAD DE ALIMENTACIÓN

Una unidad de alimentación es un dispositivo que suministra energía eléctrica a una o más cargas eléctricas.

RGB

The RGB color model is an additive color model in which red, green, and blue light are added together in various ways to reproduce a broad array of colors. The name of the model comes from the initials of the three additive primary colors, red, green, and blue.

RGB

El modelo a color RGB es un modelo a color añadido donde la luz roja, verde y azul son mezcladas juntas de varias formas para reproducir una amplia gama de colores. El nombre del modelo se da por las iniciales de los tres colores primarios, rojo, verde y azul.

SLAVE INTERFACE

The slave interface is used to reply the modulated signal of the master interface in installations where the master is overloaded.

INTERFAZ SLAVE

La interfaz slave se utiliza para responder a la señal modulada de la interfaz Master en instalaciones donde la interfaz Master está sobrecargada.

Note: Technical data are subject to changes without any previous notice. Information is consistent with our current production conditions and reflects typical values relating to manufacturing specification parameters and for typical end uses. We accept no liability or responsibility for any damage caused by products incorrectly applied in non typical end uses.

Nota: Los datos técnicos están sujetos a cambios sin previo aviso. La información es consecuente con nuestras condiciones actuales de producción y refleja los valores típicos relativos a los parámetros específicos de fabricación y para los USOs para los que fueron creados. La empresa se exime expresamente de toda responsabilidad por cualquier daño causado por productos aplicados de modo incorrecto o no utilizados con la típica finalidad para lo que fueron creados.

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03.2641.29A	535	03.3977.30A	169	03.4178.GL.LE	326	03.4191.BU	285	03.4211.74	327
03.2641.30A	535	03.4060.29	168	03.4179.74	325	03.4191.CU	285	03.4211.B1	327
03.2641.TKA	535	03.4060.29.1Y	168	03.4179.B1	325	03.4191.GL	285	03.4211.BU	327
03.2641.WGA	535	03.4061.29	168	03.4179.BU	325	03.4192.74	317	03.4211.CU	327
03.2642.14A	535	03.4061.29.1Y	168	03.4179.CU	325	03.4192.74.LE	318	03.4211.GL	327
03.2642.29A	535	03.4062.29	168	03.4179.GL	325	03.4192.B1	317	03.4212.74	340
03.2642.30A	535	03.4062.29.1Y	168	03.4180.74	259	03.4192.B1.LE	318	03.4212.B1	340
03.2642.TKA	535	03.4063.29	168	03.4180.74.LE	260	03.4192.BU	317	03.4212.BU	340
03.2642.WGA	535	03.4063.29.1Y	168	03.4180.B1	259	03.4192.BU.LE	318	03.4212.CU	340
03.2645.14A	535	03.4064.29	168	03.4180.B1.LE	260	03.4192.CU	317	03.4212.GL	340
03.2645.29A	535	03.4064.29.1Y	168	03.4180.BU	259	03.4192.CU.LE	318	03.4213.74	340
03.2645.30A	535	03.4065.29	168	03.4180.BU.LE	260	03.4192.GL	317	03.4213.B1	340
03.2645.TKA	535	03.4065.29.1Y	168	03.4180.CU	259	03.4192.GL.LE	318	03.4213.BU	340
03.2645.WGA	535	03.4065.29.5Y	168	03.4180.CU.LE	260	03.4193.74	317	03.4213.CU	340
03.2646.14A	535	03.4153.74	328	03.4180.GL	259	03.4193.B1	317	03.4213.GL	340
03.2646.29A	535	03.4153.B1	328	03.4180.GL.LE	260	03.4193.BU	317	03.4218.74	345
03.2646.30A	535	03.4153.BU	328	03.4181.74	259	03.4193.CU	317	03.4218.B1	345
03.2646.TKA	535	03.4153.CU	328	03.4181.B1	259	03.4193.GL	317	03.4218.BU	345
03.2646.WGA	535	03.4153.GL	328	03.4181.BU	259	03.4194.74	323	03.4218.CU	345
03.2647.14A	535	03.4155.74	330	03.4181.CU	259	03.4194.74.LE	324	03.4218.GL	345
03.2647.29A	535	03.4155.B1	330	03.4181.GL	259	03.4194.B1	323	03.4219.74	345
03.2647.30A	535	03.4155.BU	330	03.4182.74	265	03.4194.B1.LE	324	03.4219.B1	345
03.2647.TKA	535	03.4155.CU	330	03.4182.74.LE	266	03.4194.BU	323	03.4219.BU	345
03.2647.WGA	535	03.4155.GL	330	03.4182.B1	265	03.4194.BU.LE	324	03.4219.CU	345
03.2650.14	434	03.4157.74	332	03.4182.B1.LE	266	03.4194.CU	323	03.4219.GL	345
03.2650.30	434	03.4157.B1	332	03.4182.BU	265	03.4194.CU.LE	324	03.4220.74	345
03.2651.14	434	03.4157.BU	332	03.4182.BU.LE	266	03.4194.GL	323	03.4220.B1	345
03.2651.30	434	03.4157.CU	332	03.4182.CU	265	03.4194.GL.LE	324	03.4220.BU	345
03.2675.14A	433	03.4157.GL	332	03.4182.CU.LE	266	03.4195.74	323	03.4220.CU	345
03.2675.30A	433	03.4160.74	340	03.4182.GL	265	03.4195.B1	323	03.4220.GL	345
03.2676.14A	433	03.4160.B1	340	03.4182.GL.LE	266	03.4195.BU	323	03.4221.74	345
03.2676.30A	433	03.4160.BU	340	03.4183.74	265	03.4195.CU	323	03.4221.B1	345
03.2677.14A	433	03.4160.CU	340	03.4183.B1	265	03.4195.GL	323	03.4221.BU	345
03.2677.30A	433	03.4160.GL	340	03.4183.BU	265	03.4196.74	341	03.4221.CU	345
03.2680.14A	433	03.4162.74	340	03.4183.CU	265	03.4196.74.LE	342	03.4221.GL	345
03.2680.30A	433	03.4162.B1	340	03.4183.GL	265	03.4196.B1	341	03.4226.74	269
03.2681.14A	433	03.4162.BU	340	03.4184.74	272	03.4196.B1.LE	342	03.4226.B1	269
03.2681.30A	433	03.4162.CU	340	03.4184.74.LE	273	03.4196.BU	341	03.4226.BU	269
03.2682.14A	433	03.4162.GL	340	03.4184.B1	272	03.4196.BU.LE	342	03.4226.CU	269
03.2682.30A	433	03.4170.74	328	03.4184.B1.LE	273	03.4196.CU	341	03.4226.GL	269
03.3502.02	406	03.4170.74.LE	329	03.4184.BU	272	03.4196.CU.LE	342	03.4227.74	269
03.3502.14	406	03.4170.B1	328	03.4184.BU.LE	273	03.4196.GL	341	03.4227.B1	269
03.3502.30	406	03.4170.B1.LE	329	03.4184.CU	272	03.4196.GL.LE	342	03.4227.BU	269
03.3505.02	405	03.4170.BU	328	03.4184.CU.LE	273	03.4197.74	341	03.4227.CU	269
03.3505.14	405	03.4170.BU.LE	329	03.4184.GL	272	03.4197.B1	341	03.4227.GL	269
03.3505.30	405	03.4170.CU	328	03.4184.GL.LE	273	03.4197.BU	341	03.4228.74	269
03.3506.02	404	03.4170.CU.LE	329	03.4185.74	272	03.4197.CU	341	03.4228.B1	269
03.3506.14	404	03.4170.GL	328	03.4185.B1	272	03.4197.GL	341	03.4228.BU	269
03.3506.30	404	03.4170.GL.LE	329	03.4185.BU	272	03.4198.74	343	03.4228.CU	269
03.3507.02	405	03.4171.74	330	03.4185.CU	272	03.4198.74.LE	344	03.4228.GL	269
03.3507.14	405	03.4171.74.LE	331	03.4185.GL	272	03.4198.B1	343	03.4229.74	269
03.3507.30	405	03.4171.B1	330	03.4186.74	278	03.4198.B1.LE	344	03.4229.B1	269
03.3508.02	405	03.4171.B1.LE	331	03.4186.74.LE	279	03.4198.BU	343	03.4229.BU	269
03.3508.14	405	03.4171.BU	330	03.4186.B1	278	03.4198.BU.LE	344	03.4229.CU	269
03.3508.30	405	03.4171.BU.LE	331	03.4186.B1.LE	279	03.4198.CU	343	03.4229.GL	269
03.3520.02	406	03.4171.CU	330	03.4186.BU	278	03.4198.CU.LE	344	03.4234.74	282
03.3520.14	406	03.4171.CU.LE	331	03.4186.BU.LE	279	03.4198.GL	343	03.4234.B1	282
03.3520.30	406	03.4171.GL	330	03.4186.CU	278	03.4198.GL.LE	344	03.4234.BU	282
03.3538.02	404	03.4171.GL.LE	331	03.4186.CU.LE	279	03.4199.74	343	03.4234.CU	282
03.3538.14	404	03.4172.74	332	03.4186.GL	278	03.4199.B1	343	03.4234.GL	282
03.3538.30	404	03.4172.74.LE	333	03.4186.GL.LE	279	03.4199.BU	343	03.4235.74	282
03.3539.02	404	03.4172.B1	332	03.4187.74	278	03.4199.CU	343	03.4235.B1	282
03.3539.14	404	03.4172.B1.LE	333	03.4187.B1	278	03.4199.GL	343	03.4235.BU	282

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03.4235.GL	282	03.4300.30B	414	03.4496.GLBDA	303	03.4536.74.LE	268	03.4572.GL	293
03.4236.74	282	03.4301.02B	414	03.4497.74B	305	03.4536.B1	267	03.4582.74	292
03.4236.B1	282	03.4301.14B	414	03.4497.74B1V	305	03.4536.B1.LE	268	03.4582.74.1V	292
03.4236.BU	282	03.4301.30B	414	03.4497.74BDA	305	03.4536.BU	267	03.4582.74.DA	292
03.4236.CU	282	03.4302.02B	414	03.4497.B1B	305	03.4536.BU.LE	268	03.4582.B1	292
03.4236.GL	282	03.4302.14B	414	03.4497.B1B1V	305	03.4536.CU	267	03.4582.B1.1V	292
03.4237.74	282	03.4302.30B	414	03.4497.B1BDA	305	03.4536.CU.LE	268	03.4582.B1.DA	292
03.4237.B1	282	03.4311.02A	414	03.4497.BUB	305	03.4536.GL	267	03.4582.BU	292
03.4237.BU	282	03.4311.14A	414	03.4497.BUB1V	305	03.4536.GL.LE	268	03.4582.BU.1V	292
03.4237.CU	282	03.4311.30A	414	03.4497.BUBDA	305	03.4537.74	267	03.4582.BU.DA	292
03.4237.GL	282	03.4312.02A	414	03.4497.CUB	305	03.4537.B1	267	03.4582.CU	292
03.4242.74	287	03.4312.14A	414	03.4497.CUB1V	305	03.4537.BU	267	03.4582.CU.1V	292
03.4242.B1	287	03.4312.30A	414	03.4497.CUBDA	305	03.4537.CU	267	03.4582.CU.DA	292
03.4242.BU	287	03.4313.02A	414	03.4497.GLB	305	03.4537.GL	267	03.4582.GL	292
03.4242.CU	287	03.4313.14A	414	03.4497.GLB1V	305	03.4538.74	270	03.4582.GL.1V	292
03.4242.GL	287	03.4313.30A	414	03.4497.GLBDA	305	03.4538.74.LE	271	03.4582.GL.DA	292
03.4243.74	287	03.4320.02B	415	03.4498.74B	307	03.4538.B1	270	03.4583.74	292
03.4243.B1	287	03.4320.14B	415	03.4498.74B1V	307	03.4538.B1.LE	271	03.4583.74.1V	292
03.4243.BU	287	03.4320.30B	415	03.4498.74BDA	307	03.4538.BU	270	03.4583.74.DA	292
03.4243.CU	287	03.4321.02B	415	03.4498.B1B	307	03.4538.BU.LE	271	03.4583.B1	292
03.4243.GL	287	03.4321.14B	415	03.4498.B1B1V	307	03.4538.CU	270	03.4583.B1.1V	292
03.4244.74	287	03.4321.30B	415	03.4498.B1BDA	307	03.4538.CU.LE	271	03.4583.B1.DA	292
03.4244.B1	287	03.4322.02B	415	03.4498.BUB	307	03.4538.GL	270	03.4583.BU	292
03.4244.BU	287	03.4322.14B	415	03.4498.BUB1V	307	03.4538.GL.LE	271	03.4583.BU.1V	292
03.4244.CU	287	03.4322.30B	415	03.4498.BUBDA	307	03.4539.74	270	03.4583.BU.DA	292
03.4244.GL	287	03.4331.02A	415	03.4498.CUB	307	03.4539.B1	270	03.4583.CU	292
03.4245.74	287	03.4331.14A	415	03.4498.CUB1V	307	03.4539.BU	270	03.4583.CU.1V	292
03.4245.B1	287	03.4331.30A	415	03.4498.CUBDA	307	03.4539.CU	270	03.4583.CU.DA	292
03.4245.BU	287	03.4332.02A	415	03.4498.GLB	307	03.4539.GL	270	03.4583.GL	292
03.4245.CU	287	03.4332.14A	415	03.4498.GLB1V	307	03.4540.74	274	03.4583.GL.1V	292
03.4245.GL	287	03.4332.30A	415	03.4498.GLBDA	307	03.4540.74.LE	275	03.4583.GL.DA	292
03.4287.74	315	03.4333.02A	415	03.4520.11B	530	03.4540.B1	274	03.4584.74	304
03.4287.74.LE	316	03.4333.14A	415	03.4520.ANB	530	03.4540.B1.LE	275	03.4584.74.1V	304
03.4287.B1	315	03.4333.30A	415	03.4520.ASB	530	03.4540.BU	274	03.4584.74.DA	304
03.4287.B1.LE	316	03.4420.74C	303	03.4520.B3B	530	03.4540.BU.LE	275	03.4584.B1	304
03.4287.BU	315	03.4420.74C1V	303	03.4521.11B	530	03.4540.CU	274	03.4584.B1.1V	304
03.4287.BU.LE	316	03.4420.74CDA	303	03.4521.ANB	530	03.4540.CU.LE	275	03.4584.B1.DA	304
03.4287.CU	315	03.4420.B1C	303	03.4521.ASB	530	03.4540.GL	274	03.4584.BU	304
03.4287.CU.LE	316	03.4420.B1C1V	303	03.4521.B3B	530	03.4540.GL.LE	275	03.4584.BU.1V	304
03.4287.GL	315	03.4420.B1CDA	303	03.4522.11B	530	03.4541.74	274	03.4584.BU.DA	304
03.4287.GL.LE	316	03.4420.BUC	303	03.4522.ANB	530	03.4541.B1	274	03.4584.CU	304
03.4288.74	315	03.4420.BUC1V	303	03.4522.ASB	530	03.4541.BU	274	03.4584.CU.1V	304
03.4288.B1	315	03.4420.BUCDA	303	03.4522.B3B	530	03.4541.CU	274	03.4584.CU.DA	304
03.4288.BU	315	03.4420.CUC	303	03.4523.11B	530	03.4541.GL	274	03.4584.GL	304
03.4288.CU	315	03.4420.CUC1V	303	03.4523.ANB	530	03.4542.74	276	03.4584.GL.1V	304
03.4288.GL	315	03.4420.CUCDA	303	03.4523.ASB	530	03.4542.74.LE	277	03.4584.GL.DA	304
03.4293.74	334	03.4420.GLC	303	03.4523.B3B	530	03.4542.B1	276	03.4585.74	304
03.4293.74.LE	335	03.4420.GLC1V	303	03.4530.74	257	03.4542.B1.LE	277	03.4585.74.1V	304
03.4293.B1	334	03.4420.GLCDA	303	03.4530.74.LE	258	03.4542.BU	276	03.4585.74.DA	304
03.4293.B1.LE	335	03.4475.74C	307	03.4530.B1	257	03.4542.BU.LE	277	03.4585.B1	304
03.4293.BU	334	03.4475.74C1V	307	03.4530.B1.LE	258	03.4542.CU	276	03.4585.B1.1V	304
03.4293.BU.LE	335	03.4475.74CDA	307	03.4530.BU	257	03.4542.CU.LE	277	03.4585.B1.DA	304
03.4293.CU	334	03.4475.B1C	307	03.4530.BU.LE	258	03.4542.GL	276	03.4585.BU	304
03.4293.CU.LE	335	03.4475.B1C1V	307	03.4530.CU	257	03.4542.GL.LE	277	03.4585.BU.1V	304
03.4293.GL	334	03.4475.B1CDA	307	03.4530.CU.LE	258	03.4543.74	276	03.4585.BU.DA	304
03.4293.GL.LE	335	03.4475.BUC	307	03.4530.GL	257	03.4543.B1	276	03.4585.CU	304
03.4294.74	334	03.4475.BUC1V	307	03.4530.GL.LE	258	03.4543.BU	276	03.4585.CU.1V	304
03.4294.B1	334	03.4475.BUCDA	307	03.4531.74	257	03.4543.CU	276	03.4585.CU.DA	304
03.4294.BU	334	03.4475.CUC	307	03.4531.B1	257	03.4543.GL	276	03.4585.GL	304
03.4294.CU	334	03.4475.CUC1V	307	03.4531.BU	257	03.4544.74	280	03.4585.GL.1V	304
03.4294.GL	334	03.4475.CUCDA	307	03.4531.CU	257	03.4544.74.LE	281	03.4585.GL.DA	304
03.4295.74	338	03.4475.GLC	307	03.4531.GL	257	03.4544.B1	280	03.4586.74	306
03.4295.74.LE	339	03.4475.GLC1V	307	03.4532.74	261	03.4544.B1.LE	281	03.4586.74.1V	306
03.4295.B1	338	03.4475.GLCDA	307	03.4532.74.LE	262	03.4544.BU	280	03.4586.74.DA	306
03.4295.B1.LE	339	03.4482.74C	305	03.4532.B1	261	03.4544.BU.LE	281	03.4586.B1	306
03.4295.BU	338	03.4482.74C1V	305	03.4532.B1.LE	262	03.4544.CU	280	03.4586.B1.1V	306
03.4295.BU.LE	339	03.4482.74CDA	305	03.4532.BU	261	03.4544.CU.LE	281	03.4586.B1.DA	306
03.4295.CU	338	03.4482.B1C	305	03.4532.BU.LE	262	03.4544.GL	280	03.4586.BU	306
03.4295.CU.LE	339	03.4482.B1C1V	305	03.4532.CU	261	03.4544.GL.LE	281	03.4586.BU.1V	306
03.4295.GL	338	03.4482.B1CDA	305	03.4532.CU.LE	262	03.4545.74	280	03.4586.BU.DA	306
03.4295.GL.LE	339	03.4482.BUC	305	03.4532.GL	261	03.4545.B1	280	03.4586.CU	306
03.4296.74	338	03.4482.BUC1V	305	03.4532.GL.LE	262	03.4545.BU	280	03.4586.CU.1V	306
03.4296.B1	338	03.4482.BUCDA	305	03.4533.74	261	03.4545.CU	280	03.4586.CU.DA	306
03.4296.BU	338	03.4482.CUC	305	03.4533.B1	261	03.4545.GL	280	03.4586.GL	306
03.4296.CU	338	03.4482.CUC1V	305	03.4533.BU	261	03.4570.74C	288	03.4586.GL.1V	306
03.4296.GL	338	03.4482.CUCDA	305	03.4533.CU	261	03.4570.74C1V	288	03.4586.GL.DA	306
03.4297.74	319	03.4482.GLC	305	03.4533.GL	261	03.4570.74CDA	288	03.4587.74	306
03.4297.74.LE	320	03.4482.GLC1V	305	03.4534.74	263	03.4570.B1C	288	03.4587.74.1V	306
03.4297.B1	319	03.4482.GLCDA	305	03.4534.74.LE	264	03.4570.B1C1V	288	03.4587.74.DA	306
03.4297.B1.LE	320	03.4496.74B	303	03.4534.B1	263	03.4570.B1CDA	288	03.4587.B1	306
03.4297.BU	319	03.4496.74B1V	303	03.4534.B1.LE	264	03.4570.BUC	288	03.4587.B1.1V	306
03.4297.BU.LE	320	03.4496.74BDA	303	03.4534.BU	263	03.4570.BUC1V	288	03.4587.B1.DA	306
03.4297.CU	319	03.4496.B1B	303	03.4534.BU.LE	264	03.4570.BUCDA	288	03.4587.BU	306
03.4297.CU.LE	320	03.4496.B1B1V	303	03.4534.CU	263	03.4570.CUC	288	03.4587.BU.1V	306
03.4297.GL	319	03.4496.B1BDA	303	03.4534.CU.LE	264	03.4570.CUC1V	288	03.4587.BU.DA	306
03.4297.GL.LE	320	03.4496.BUB	303	03.4534.GL	263	03.4570.CUCDA	288	03.4587.CU	306
03.4298.74	319	03.4496.BUB1V	303	03.4534.GL.LE	264	03.4570.GLC	288	03.4587.CU.1V	306
03.4298.B1	319	03.4496.BUBDA	303	03.4535.74	263	03.4570.GLC1V	288	03.4587.CU.DA	306
03.4298.BU	319	03.4496.CUB	303	03.4535.B1	263	03.4570.GLCDA	288	03.4587.GL	306
03.4298.CU	319	03.4496.CUB1V	303	03.4535.BU	263	03.4572.74	293	03.4587.GL.1V	306
03.4298.GL	319	03.4496.CUBDA	303	03.4535.CU	263	03.4572.B1	293	03.4587.GL.DA	306
03.4300.02B	414	03.4496.GLB	303	03.4535.GL	263	03.4572.BU	293	03.4588.74	308

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03.4588.74.1V	308	03.4988.06ADA	374	03.5902.14	525	03.5941.14	526	03.6010.14	528
03.4588.74.DA	308	03.4989.06	374	03.5902.18	525	03.5941.18	526	03.6010.14.DA	528
03.4588.B1	308	03.4989.06.DA	374	03.5902.B1	525	03.5941.B1	526	03.6010.18	528
03.4588.B1.1V	308	03.4990.06A	374	03.5903.14	525	03.5942.14	526	03.6010.18.DA	528
03.4588.B1.DA	308	03.4990.06ADA	374	03.5903.18	525	03.5942.18	526	03.6010.B1	528
03.4588.BU	308	03.4991.06	374	03.5903.B1	525	03.5942.B1	526	03.6010.B1.DA	528
03.4588.BU.1V	308	03.4991.06.DA	374	03.5904.14	525	03.5943.14	526	03.6011.14	528
03.4588.BU.DA	308	03.4992.06A	372	03.5904.18	525	03.5943.18	526	03.6011.14.DA	528
03.4588.CU	308	03.4992.06ADA	372	03.5904.B1	525	03.5943.B1	526	03.6011.18	528
03.4588.CU.1V	308	03.4992.14A	372	03.5905.14	525	03.5944.14	526	03.6011.18.DA	528
03.4588.CU.DA	308	03.4992.14ADA	372	03.5905.18	525	03.5944.18	526	03.6011.B1	528
03.4588.GL	308	03.4992.GLA	372	03.5905.B1	525	03.5944.B1	526	03.6011.B1.DA	528
03.4588.GL.1V	308	03.4992.GLADA	372	03.5906.14	525	03.5945.14	526	03.6012.14	528
03.4588.GL.DA	308	03.4993.06	372	03.5906.18	525	03.5945.18	526	03.6012.14.DA	528
03.4589.74	308	03.4993.06.DA	372	03.5906.B1	525	03.5945.B1	526	03.6012.18	528
03.4589.74.1V	308	03.4993.14	372	03.5907.14	525	03.5946.14	526	03.6012.18.DA	528
03.4589.74.DA	308	03.4993.14.DA	372	03.5907.18	525	03.5946.18	526	03.6012.B1	528
03.4589.B1	308	03.4993.GL	372	03.5907.B1	525	03.5946.B1	526	03.6012.B1.DA	528
03.4589.B1.1V	308	03.4993.GL.DA	372	03.5910.14	528	03.5947.14	526	03.6013.14	528
03.4589.B1.DA	308	03.4994.06A	372	03.5910.18	528	03.5947.18	526	03.6013.14.DA	528
03.4589.BU	308	03.4994.06ADA	372	03.5910.B1	528	03.5947.B1	526	03.6013.18	528
03.4589.BU.1V	308	03.4994.14A	372	03.5911.14	528	03.5950.14	529	03.6013.18.DA	528
03.4589.BU.DA	308	03.4994.14ADA	372	03.5911.18	528	03.5950.18	529	03.6013.B1	528
03.4589.CU	308	03.4994.GLA	372	03.5911.B1	528	03.5950.B1	529	03.6013.B1.DA	528
03.4589.CU.1V	308	03.4994.GLADA	372	03.5912.14	528	03.5951.14	529	03.6014.14	528
03.4589.CU.DA	308	03.4995.06	372	03.5912.18	528	03.5951.18	529	03.6014.14.DA	528
03.4589.GL	308	03.4995.06.DA	372	03.5912.B1	528	03.5951.B1	529	03.6014.18	528
03.4589.GL.1V	308	03.4995.14	372	03.5913.14	528	03.5952.14	529	03.6014.18.DA	528
03.4589.GL.DA	308	03.4995.14.DA	372	03.5913.18	528	03.5952.18	529	03.6014.B1	528
03.4595.74C	288	03.4995.GL	372	03.5913.B1	528	03.5952.B1	529	03.6014.B1.DA	528
03.4595.74C1V	288	03.4995.GL.DA	372	03.5914.14	528	03.5953.14	529	03.6015.14	528
03.4595.74CDA	288	03.4996.06A	373	03.5914.18	528	03.5953.18	529	03.6015.14.DA	528
03.4595.74CDA	288	03.4996.06ADA	373	03.5914.B1	528	03.5953.B1	529	03.6015.18	528
03.4595.B1C1V	288	03.4996.14.ADA	373	03.5915.14	528	03.5954.14	529	03.6015.18.DA	528
03.4595.B1CDA	288	03.4996.14A	373	03.5915.18	528	03.5954.18	529	03.6015.B1	528
03.4595.BUC	288	03.4996.GLA	373	03.5915.B1	528	03.5954.B1	529	03.6015.B1.DA	528
03.4595.BUC1V	288	03.4996.GLADA	373	03.5916.14	528	03.5955.14	529	03.6016.14	528
03.4595.BUCDA	288	03.4997.06	373	03.5916.18	528	03.5955.18	529	03.6016.14.DA	528
03.4595.CUC	288	03.4997.06.DA	373	03.5916.B1	528	03.5955.B1	529	03.6016.18	528
03.4595.CUC1V	288	03.4997.14	373	03.5917.14	528	03.5956.14	529	03.6016.18.DA	528
03.4595.CUCDA	288	03.4997.14.DA	373	03.5917.18	528	03.5956.18	529	03.6016.B1	528
03.4595.GLC	288	03.4997.GL	373	03.5917.B1	528	03.5956.B1	529	03.6016.B1.DA	528
03.4595.GLC1V	288	03.4997.GL.DA	373	03.5920.14	524	03.5957.14	529	03.6017.14	528
03.4595.GLCDA	288	03.4998.06A	373	03.5920.18	524	03.5957.18	529	03.6017.14.DA	528
03.4980.06A	372	03.4998.06ADA	373	03.5920.B1	524	03.5957.B1	529	03.6017.18	528
03.4980.06ADA	372	03.4998.14A	373	03.5921.14	524	03.6000.14	525	03.6017.18.DA	528
03.4980.14A	372	03.4998.14ADA	373	03.5921.18	524	03.6000.14.DA	525	03.6017.B1	528
03.4980.14ADA	372	03.4998.GLA	373	03.5921.B1	524	03.6000.18	525	03.6017.B1.DA	528
03.4980.GLA	372	03.4998.GLADA	373	03.5922.14	524	03.6000.18.DA	525	03.6020.14	524
03.4980.GLADA	372	03.4999.06	373	03.5922.18	524	03.6000.B1	525	03.6020.14.DA	524
03.4981.06	372	03.4999.06.DA	373	03.5922.B1	524	03.6000.B1.DA	525	03.6020.18	524
03.4981.06.DA	372	03.4999.14	373	03.5923.14	524	03.6001.14	525	03.6020.18.DA	524
03.4981.14	372	03.4999.14.DA	373	03.5923.18	524	03.6001.14.DA	525	03.6020.B1	524
03.4981.14.DA	372	03.4999.GL	373	03.5923.B1	524	03.6001.18	525	03.6020.B1.DA	524
03.4981.GL	372	03.4999.GL.DA	373	03.5924.14	524	03.6001.18.DA	525	03.6021.14	524
03.4981.GL.DA	372	03.5730.11B	530	03.5924.18	524	03.6001.B1	525	03.6021.14.DA	524
03.4982.06A	372	03.5730.ANB	530	03.5924.B1	524	03.6001.B1.DA	525	03.6021.18	524
03.4982.06ADA	372	03.5730.ASB	530	03.5925.14	524	03.6002.14	525	03.6021.18.DA	524
03.4982.14A	372	03.5730.B3B	530	03.5925.18	524	03.6002.14.DA	525	03.6021.B1	524
03.4982.14ADA	372	03.5731.11B	530	03.5925.B1	524	03.6002.18	525	03.6021.B1.DA	524
03.4982.14ADA	372	03.5731.ANB	530	03.5926.14	524	03.6002.18.DA	525	03.6022.14	524
03.4982.GLADA	372	03.5731.ASB	530	03.5926.18	524	03.6002.B1	525	03.6022.14.DA	524
03.4983.06	372	03.5731.B3B	530	03.5926.B1	524	03.6002.B1.DA	525	03.6022.18	524
03.4983.06.DA	372	03.5732.11B	530	03.5927.14	524	03.6003.14	525	03.6022.18.DA	524
03.4983.14	372	03.5732.ANB	530	03.5927.18	524	03.6003.14.DA	525	03.6022.B1	524
03.4983.14.DA	372	03.5732.ASB	530	03.5927.B1	524	03.6003.18	525	03.6022.B1.DA	524
03.4983.GL	372	03.5732.B3B	530	03.5930.14	527	03.6003.18.DA	525	03.6023.14	524
03.4983.GL.DA	372	03.5733.11B	530	03.5930.18	527	03.6003.B1	525	03.6023.14.DA	524
03.4984.06A	373	03.5733.ANB	530	03.5930.B1	527	03.6003.B1.DA	525	03.6023.18	524
03.4984.06ADA	373	03.5733.ASB	530	03.5931.14	527	03.6004.14	525	03.6023.18.DA	524
03.4984.14A	373	03.5733.B3B	530	03.5931.18	527	03.6004.14.DA	525	03.6023.B1	524
03.4984.14ADA	373	03.5810.11B	531	03.5931.B1	527	03.6004.18	525	03.6023.B1.DA	524
03.4984.GLA	373	03.5810.ANB	531	03.5932.14	527	03.6004.18.DA	525	03.6024.14	524
03.4984.GLADA	373	03.5810.ASB	531	03.5932.18	527	03.6004.B1	525	03.6024.14.DA	524
03.4985.06	373	03.5810.B3B	531	03.5932.B1	527	03.6004.B1.DA	525	03.6024.18	524
03.4985.06.DA	373	03.5811.11B	531	03.5933.14	527	03.6005.14	525	03.6024.18.DA	524
03.4985.14	373	03.5811.ANB	531	03.5933.18	527	03.6005.14.DA	525	03.6024.B1	524
03.4985.14.DA	373	03.5811.ASB	531	03.5933.B1	527	03.6005.18	525	03.6024.B1.DA	524
03.4985.GL	373	03.5811.B3B	531	03.5934.14	527	03.6005.18.DA	525	03.6025.14	524
03.4985.GL.DA	373	03.5812.11B	531	03.5934.18	527	03.6005.B1	525	03.6025.14.DA	524
03.4986.06A	373	03.5812.ANB	531	03.5934.B1	527	03.6005.B1.DA	525	03.6025.18	524
03.4986.06ADA	373	03.5812.ASB	531	03.5935.14	527	03.6006.14	525	03.6025.18.DA	524
03.4986.14A	373	03.5812.B3B	531	03.5935.18	527	03.6006.14.DA	525	03.6025.B1	524
03.4986.14ADA	373	03.5813.11B	531	03.5935.B1	527	03.6006.18	525	03.6025.B1.DA	524
03.4986.GLA	373	03.5813.ANB	531	03.5936.14	527	03.6006.18.DA	525	03.6026.14	524
03.4986.GLADA	373	03.5813.ASB	531	03.5936.18	527	03.6006.B1	525	03.6026.14.DA	524
03.4987.06	373	03.5813.B3B	531	03.5936.B1	527	03.6006.B1.DA	525	03.6026.18	524
03.4987.06.DA	373	03.5900.14	525	03.5937.14	527	03.6007.14	525	03.6026.18.DA	524
03.4987.14	373	03.5900.18	525	03.5937.18	527	03.6007.14.DA	525	03.6026.B1	524
03.4987.14.DA	373	03.5900.B1	525	03.5937.B1	527	03.6007.18	525	03.6026.B1.DA	524
03.4987.GL	373	03.5901.14	525	03.5940.14	526	03.6007.18.DA	525	03.6027.14	524
03.4987.GL.DA	373	03.5901.18	525	03.5940.18	526	03.6007.B1	525	03.6027.14.DA	524
03.4988.06A	374	03.5901.B1	525	03.5940.B1	526	03.6007.B1.DA	525	03.6027.18	524

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03.6027.B1	524	03.6047.14.DA	526	03.6273.14C	108	03.6500.40ADA	365	03.6564.14A	367
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03.6030.18	527	03.6047.B1.DA	526	03.6273.30CCB	108	03.6501.40ADA	365	03.6565.14A	367
03.6030.18.DA	527	03.6050.14	529	03.6273.30CDA	108	03.6503.14A	365	03.6565.14ADA	367
03.6030.B1	527	03.6050.14.DA	529	03.6274.14A	108	03.6503.14ADA	365	03.6565.40A	367
03.6030.B1.DA	527	03.6050.18	529	03.6274.14ACB	108	03.6503.40A	365	03.6565.40ADA	367
03.6031.14	527	03.6050.18.DA	529	03.6274.14ADA	108	03.6503.40ADA	365	03.6566.14	367
03.6031.14.DA	527	03.6050.B1	529	03.6274.40A	108	03.6504.14A	365	03.6566.14.DA	367
03.6031.18	527	03.6050.B1.DA	529	03.6274.40ACB	108	03.6504.14ADA	365	03.6566.40	367
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03.6031.B1	527	03.6051.14.DA	529	03.6275.14A	108	03.6504.40ADA	365	03.6567.14	367
03.6031.B1.DA	527	03.6051.18	529	03.6275.14ACB	108	03.6506.14A	364	03.6567.14.DA	367
03.6032.14	527	03.6051.18.DA	529	03.6275.14ADA	108	03.6506.14ADA	364	03.6567.40	367
03.6032.14.DA	527	03.6051.B1	529	03.6275.40A	108	03.6506.40A	364	03.6567.40.DA	367
03.6032.18	527	03.6051.B1.DA	529	03.6275.40ACB	108	03.6506.40ADA	364	03.6568.14A	369
03.6032.18.DA	527	03.6052.14	529	03.6275.40ADA	108	03.6507.14A	364	03.6568.14ADA	369
03.6032.B1	527	03.6052.14.DA	529	03.6277.14A	108	03.6507.14ADA	364	03.6568.40A	369
03.6032.B1.DA	527	03.6052.18	529	03.6277.14ACB	108	03.6507.40A	364	03.6568.40ADA	369
03.6033.14	527	03.6052.18.DA	529	03.6277.14ADA	108	03.6507.40ADA	364	03.6569.14	369
03.6033.14.DA	527	03.6052.B1	529	03.6277.40A	108	03.6509.14A	364	03.6569.14.DA	369
03.6033.18	527	03.6052.B1.DA	529	03.6277.40ACB	108	03.6509.14ADA	364	03.6569.40	369
03.6033.18.DA	527	03.6053.14	529	03.6277.40ADA	108	03.6509.40A	364	03.6569.40.DA	369
03.6033.B1	527	03.6053.14.DA	529	03.6278.14A	108	03.6509.40ADA	364	03.6570.14A	368
03.6033.B1.DA	527	03.6053.18	529	03.6278.14ACB	108	03.6510.14A	364	03.6570.14ADA	368
03.6034.14	527	03.6053.18.DA	529	03.6278.14ADA	108	03.6510.14ADA	364	03.6570.40A	368
03.6034.14.DA	527	03.6053.B1	529	03.6278.40A	108	03.6510.40A	364	03.6570.40ADA	368
03.6034.18	527	03.6053.B1.DA	529	03.6278.40ACB	108	03.6510.40ADA	364	03.6571.14A	368
03.6034.18.DA	527	03.6054.14	529	03.6278.40ADA	108	03.6512.14A	366	03.6571.14ADA	368
03.6034.B1	527	03.6054.14.DA	529	03.6284.14	101	03.6512.14ADA	366	03.6571.40A	368
03.6034.B1.DA	527	03.6054.18	529	03.6284.14.CB	101	03.6512.40A	366	03.6571.40ADA	368
03.6035.14	527	03.6054.18.DA	529	03.6284.14.DA	101	03.6512.40ADA	366	03.6572.14	368
03.6035.14.DA	527	03.6054.B1	529	03.6284.40	101	03.6514.14A	366	03.6572.14.DA	368
03.6035.18	527	03.6054.B1.DA	529	03.6284.40.CB	101	03.6514.14ADA	366	03.6572.40	368
03.6035.18.DA	527	03.6055.14	529	03.6284.40.DA	101	03.6514.40A	366	03.6572.40.DA	368
03.6035.B1	527	03.6055.14.DA	529	03.6285.14	101	03.6514.40ADA	366	03.6573.14	368
03.6035.B1.DA	527	03.6055.18	529	03.6285.14.CB	101	03.6520.14A	365	03.6573.14.DA	368
03.6036.14	527	03.6055.18.DA	529	03.6285.14.DA	101	03.6520.14ADA	365	03.6573.40	368
03.6036.14.DA	527	03.6055.B1	529	03.6285.40	101	03.6520.40A	365	03.6573.40.DA	368
03.6036.18	527	03.6055.B1.DA	529	03.6285.40.CB	101	03.6520.40ADA	365	03.6574.14A	367
03.6036.18.DA	527	03.6056.14	529	03.6285.40.DA	101	03.6521.14A	365	03.6574.14ADA	367
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03.6036.B1.DA	527	03.6056.18	529	03.6286.14.CB	101	03.6521.40A	365	03.6574.40ADA	367
03.6037.14	527	03.6056.18.DA	529	03.6286.14.DA	101	03.6521.40ADA	365	03.6575.14A	367
03.6037.14.DA	527	03.6056.B1	529	03.6286.40	101	03.6523.14A	365	03.6575.14ADA	367
03.6037.18	527	03.6056.B1.DA	529	03.6286.40.CB	101	03.6523.14ADA	365	03.6575.40A	367
03.6037.18.DA	527	03.6057.14	529	03.6286.40.DA	101	03.6523.40A	365	03.6575.40ADA	367
03.6037.B1	527	03.6057.14.DA	529	03.6287.14	101	03.6523.40ADA	365	03.6576.14	367
03.6037.B1.DA	527	03.6057.18	529	03.6287.14.CB	101	03.6524.14A	365	03.6576.14.DA	367
03.6040.14	526	03.6057.18.DA	529	03.6287.14.DA	101	03.6524.14ADA	365	03.6576.40	367
03.6040.14.DA	526	03.6057.B1	529	03.6287.40	101	03.6524.40A	365	03.6576.40.DA	367
03.6040.18	526	03.6057.B1.DA	529	03.6287.40.CB	101	03.6524.40ADA	365	03.6577.14	367
03.6040.18.DA	526	03.6150.05	411	03.6287.40.DA	101	03.6526.14A	364	03.6577.14.DA	367
03.6040.B1	526	03.6150.14	411	03.6295.14	106	03.6526.14ADA	364	03.6577.40	367
03.6040.B1.DA	526	03.6150.30	411	03.6295.14.CB	106	03.6526.40A	364	03.6577.40.DA	367
03.6041.14	526	03.6150.GN	411	03.6295.14.DA	106	03.6526.40ADA	364	03.6578.14A	369
03.6041.14.DA	526	03.6154.05A	411	03.6296.14	106	03.6527.14A	364	03.6578.14ADA	369
03.6041.18	526	03.6154.14A	411	03.6296.14.CB	106	03.6527.14ADA	364	03.6578.40A	369
03.6041.18.DA	526	03.6154.30A	411	03.6296.14.DA	106	03.6527.40A	364	03.6578.40ADA	369
03.6041.B1	526	03.6154.GNA	411	03.6297.14	106	03.6527.40ADA	364	03.6579.14	369
03.6041.B1.DA	526	03.6170.05	503	03.6297.14.CB	106	03.6529.14A	364	03.6579.14.DA	369
03.6042.14	526	03.6170.14	503	03.6297.14.DA	106	03.6529.14ADA	364	03.6579.40	369
03.6042.14.DA	526	03.6170.30	503	03.6298.14	106	03.6529.40A	364	03.6579.40.DA	369
03.6042.18	526	03.6170.GN	503	03.6298.14.CB	106	03.6529.40ADA	364	03.6603.14	388
03.6042.18.DA	526	03.6174.05A	503	03.6298.14.DA	106	03.6530.14A	364	03.6603.14.DA	388
03.6042.B1	526	03.6174.14A	503	03.6302.14A	99	03.6530.14ADA	364	03.6603.40	388
03.6042.B1.DA	526	03.6174.30A	503	03.6302.14ACB	99	03.6530.40A	364	03.6603.40.DA	388
03.6043.14	526	03.6174.GNA	503	03.6302.14ADA	99	03.6530.40ADA	364	03.6604.14	388
03.6043.14.DA	526	03.6260.14.CB	107	03.6303.14A	99	03.6532.14A	366	03.6604.14.DA	388
03.6043.18	526	03.6260.14.DA	107	03.6303.14ACB	99	03.6532.14ADA	366	03.6604.40	388
03.6043.18.DA	526	03.6260.14B	107	03.6303.14ADA	99	03.6532.40A	366	03.6604.40.DA	388
03.6043.B1	526	03.6261.14.CB	107	03.6305.14	100	03.6532.40ADA	366	03.6605.14	388
03.6043.B1.DA	526	03.6261.14.DA	107	03.6305.14.CB	100	03.6534.14A	366	03.6605.14.DA	388
03.6044.14	526	03.6261.14B	107	03.6305.14.DA	100	03.6534.14ADA	366	03.6605.40	388
03.6044.14.DA	526	03.6262.14.CB	107	03.6306.14	100	03.6534.40A	366	03.6605.40.DA	388
03.6044.18	526	03.6262.14.DA	107	03.6306.14.CB	100	03.6534.40ADA	366	03.6606.14	388
03.6044.18.DA	526	03.6262.14B	107	03.6306.14.DA	100	03.6560.14A	368	03.6606.14.DA	388
03.6044.B1	526	03.6263.14.CB	107	03.6415.05B	409	03.6560.14ADA	368	03.6606.40	388
03.6044.B1.DA	526	03.6263.14.DA	107	03.6415.14B	409	03.6560.40A	368	03.6606.40.DA	388
03.6045.14	526	03.6263.14B	107	03.6415.40B	409	03.6560.40ADA	368	03.6607.14	388
03.6045.14.DA	526	03.6272.06C	108	03.6416.05B	409	03.6561.14A	368	03.6607.14.DA	388
03.6045.18	526	03.6272.06CCB	108	03.6416.14B	409	03.6561.14ADA	368	03.6607.40	388
03.6045.18.DA	526	03.6272.06CDA	108	03.6416.40B	409	03.6561.40A	368	03.6607.40.DA	388
03.6045.B1	526	03.6272.14C	108	03.6417.05B	409	03.6561.40ADA	368	03.6608.14	388
03.6045.B1.DA	526	03.6272.14CCB	108	03.6417.14B	409	03.6562.14	368	03.6608.14.DA	388
03.6046.14	526	03.6272.14CDA	108	03.6417.40B	409	03.6562.14.DA	368	03.6608.40	388
03.6046.14.DA	526	03.6272.30C	108	03.6418.05B	409	03.6562.40	368	03.6608.40.DA	388
03.6046.18	526	03.6272.30CCB	108	03.6418.14B	409	03.6562.40.DA	368	03.6610.1B	387
03.6046.18.DA	526	03.6272.30CDA	108	03.6418.40B	409	03.6563.14	368	03.6610.1B.DA	387
03.6046.B1	526	03.6273.06C	108	03.6500.14A	365	03.6563.14.DA	368	03.6610.1C	387
03.6046.B1.DA	526	03.6273.06CCB	108	03.6500.14ADA	365	03.6563.40	368	03.6610.1C.DA	387

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03.6610.3B.DA	387	03.6806.40A	391	03.6823.40ADA	391	03.7311.14A	207	03.7352.14ADA	213
03.6610.3C	387	03.6806.40ADA	391	03.6824.06A	390	03.7311.14ADA	207	03.7352.40A	213
03.6610.3C.DA	387	03.6807.14A	391	03.6824.06ADA	390	03.7311.40A	207	03.7352.40ADA	213
03.6611.1B	387	03.6807.14ADA	391	03.6824.40A	390	03.7311.40ADA	207	03.7353.14A	213
03.6611.1B.DA	387	03.6807.40A	391	03.6824.40ADA	390	03.7312.14A	207	03.7353.14ADA	213
03.6611.1C	387	03.6807.40ADA	391	03.6825.06A	390	03.7312.14ADA	207	03.7353.40A	213
03.6611.1C.DA	387	03.6808.14A	391	03.6825.06ADA	390	03.7312.40A	207	03.7353.40ADA	213
03.6611.3B	387	03.6808.14ADA	391	03.6825.40A	390	03.7312.40ADA	207	03.7354.14A	213
03.6611.3B.DA	387	03.6808.40A	391	03.6825.40ADA	390	03.7313.14A	207	03.7354.14ADA	213
03.6611.3C	387	03.6808.40ADA	391	03.6826.06A	390	03.7313.14ADA	207	03.7354.40A	213
03.6611.3C.DA	387	03.6809.1BA	390	03.6826.06ADA	390	03.7313.40A	207	03.7354.40ADA	213
03.6613.1B	389	03.6809.1BADA	390	03.6826.40A	390	03.7313.40ADA	207	03.7355.14A	213
03.6613.1B.DA	389	03.6809.1CA	390	03.6826.40ADA	390	03.7314.14A	207	03.7355.14ADA	213
03.6613.1C	389	03.6809.1CADA	390	03.6827.06A	393	03.7314.14ADA	207	03.7355.40A	213
03.6613.1C.DA	389	03.6809.3BA	390	03.6827.06ADA	393	03.7314.40A	207	03.7355.40ADA	213
03.6613.3B	389	03.6809.3BADA	390	03.6827.40A	393	03.7314.40ADA	207	03.7356.14A	213
03.6613.3B.DA	389	03.6809.3CA	390	03.6827.40ADA	393	03.7315.14A	207	03.7356.14ADA	213
03.6613.3C	389	03.6809.3CADA	390	03.6828.06A	393	03.7315.14ADA	207	03.7356.40A	213
03.6613.3C.DA	389	03.6810.1BA	390	03.6828.06ADA	393	03.7315.40A	207	03.7356.40ADA	213
03.6614.1B	389	03.6810.1BADA	390	03.6828.40A	393	03.7315.40ADA	207	03.7357.14A	213
03.6614.1B.DA	389	03.6810.1CA	390	03.6828.40ADA	393	03.7316.14A	209	03.7357.14ADA	213
03.6614.1C	389	03.6810.1CADA	390	03.6829.06A	393	03.7316.14ADA	209	03.7357.40A	213
03.6614.1C.DA	389	03.6810.3BA	390	03.6829.06ADA	393	03.7316.40A	209	03.7357.40ADA	213
03.6614.3B	389	03.6810.3BADA	390	03.6829.40A	393	03.7316.40ADA	209	03.7358.14A	215
03.6614.3B.DA	389	03.6810.3CA	390	03.6829.40ADA	393	03.7317.14A	209	03.7358.14ADA	215
03.6614.3C	389	03.6810.3CADA	390	03.7000.14	98	03.7317.14ADA	209	03.7358.40A	215
03.6614.3C.DA	389	03.6811.1BA	390	03.7000.14.CB	98	03.7317.40A	209	03.7358.40ADA	215
03.6618.14	388	03.6811.1BADA	390	03.7000.14.DA	98	03.7317.40ADA	209	03.7359.14A	215
03.6618.14.DA	388	03.6811.1CA	390	03.7001.14	98	03.7318.14A	209	03.7359.14ADA	215
03.6618.40	388	03.6811.1CADA	390	03.7001.14.CB	98	03.7318.14ADA	209	03.7359.40A	215
03.6618.40.DA	388	03.6811.3BA	390	03.7001.14.DA	98	03.7318.40A	209	03.7359.40ADA	215
03.6619.14	388	03.6811.3BADA	390	03.7002.14	98	03.7318.40ADA	209	03.7360.14A	215
03.6619.14.DA	388	03.6811.3CA	390	03.7002.14.CB	98	03.7319.14A	209	03.7360.14ADA	215
03.6619.40	388	03.6811.3CADA	390	03.7002.14.DA	98	03.7319.14ADA	209	03.7360.40A	215
03.6619.40.DA	388	03.6812.1BA	393	03.7003.14	98	03.7319.40A	209	03.7360.40ADA	215
03.6620.14	388	03.6812.1BADA	393	03.7003.14.CB	98	03.7319.40ADA	209	03.7361.14A	215
03.6620.14.DA	388	03.6812.1CA	393	03.7003.14.DA	98	03.7320.14A	209	03.7361.14ADA	215
03.6620.40	388	03.6812.1CADA	393	03.7004.14	98	03.7320.14ADA	209	03.7361.40A	215
03.6620.40.DA	388	03.6812.3BA	393	03.7004.14.CB	98	03.7320.40A	209	03.7361.40ADA	215
03.6621.14	388	03.6812.3BADA	393	03.7004.14.DA	98	03.7320.40ADA	209	03.7362.14A	215
03.6621.14.DA	388	03.6812.3CA	393	03.7005.14	98	03.7321.14A	209	03.7362.14ADA	215
03.6621.40	388	03.6812.3CADA	393	03.7005.14.CB	98	03.7321.14ADA	209	03.7362.40A	215
03.6621.40.DA	388	03.6813.1BA	393	03.7005.14.DA	98	03.7321.40A	209	03.7362.40ADA	215
03.6622.14	388	03.6813.1BADA	393	03.7006.14	98	03.7321.40ADA	209	03.7363.14A	215
03.6622.14.DA	388	03.6813.1CA	393	03.7006.14.CB	98	03.7322.14A	209	03.7363.14ADA	215
03.6622.40	388	03.6813.1CADA	393	03.7006.14.DA	98	03.7322.14ADA	209	03.7363.40A	215
03.6622.40.DA	388	03.6813.3BA	393	03.7007.14	98	03.7322.40A	209	03.7363.40ADA	215
03.6623.14	388	03.6813.3BADA	393	03.7007.14.CB	98	03.7322.40ADA	209	03.7364.14A	215
03.6623.14.DA	388	03.6813.3CA	393	03.7007.14.DA	98	03.7323.14A	209	03.7364.14ADA	215
03.6623.40	388	03.6813.3CADA	393	03.7300.14A	205	03.7323.14ADA	209	03.7364.40A	215
03.6623.40.DA	388	03.6814.1BA	393	03.7300.14ADA	205	03.7323.40A	209	03.7364.40ADA	215
03.6625.06	387	03.6814.1BADA	393	03.7300.40A	205	03.7323.40ADA	209	03.7365.14A	215
03.6625.06.DA	387	03.6814.1CA	393	03.7300.40ADA	205	03.7324.14A	211	03.7365.14ADA	215
03.6625.40	387	03.6814.1CADA	393	03.7301.14A	205	03.7324.14ADA	211	03.7365.40A	215
03.6625.40.DA	387	03.6814.3BA	393	03.7301.14ADA	205	03.7324.40A	211	03.7365.40ADA	215
03.6626.06	387	03.6814.3BADA	393	03.7301.40A	205	03.7324.40ADA	211	03.7366.14A	217
03.6626.06.DA	387	03.6814.3CA	393	03.7301.40ADA	205	03.7325.14A	211	03.7366.14ADA	217
03.6626.40	387	03.6814.3CADA	393	03.7302.14A	205	03.7325.14ADA	211	03.7366.40A	217
03.6626.40.DA	387	03.6815.14A	392	03.7302.14ADA	205	03.7325.40A	211	03.7366.40ADA	217
03.6628.06	389	03.6815.14ADA	392	03.7302.40A	205	03.7325.40ADA	211	03.7367.14A	217
03.6628.06.DA	389	03.6815.40A	392	03.7302.40ADA	205	03.7326.14A	211	03.7367.14ADA	217
03.6628.40	389	03.6815.40ADA	392	03.7303.14A	205	03.7326.14ADA	211	03.7367.40A	217
03.6628.40.DA	389	03.6816.14.ADA	392	03.7303.14ADA	205	03.7326.40A	211	03.7367.40ADA	217
03.6629.06	389	03.6816.14A	392	03.7303.40A	205	03.7326.40ADA	211	03.7368.14A	217
03.6629.06.DA	389	03.6816.40A	392	03.7303.40ADA	205	03.7327.14A	211	03.7368.14ADA	217
03.6629.40	389	03.6816.40ADA	392	03.7304.14A	205	03.7327.14ADA	211	03.7368.40A	217
03.6629.40.DA	389	03.6817.14A	392	03.7304.14ADA	205	03.7327.40A	211	03.7368.40ADA	217
03.6800.14A	392	03.6817.14ADA	392	03.7304.40A	205	03.7327.40ADA	211	03.7369.14A	217
03.6800.14ADA	392	03.6817.40A	392	03.7304.40ADA	205	03.7328.14A	211	03.7369.14ADA	217
03.6800.40A	392	03.6817.40ADA	392	03.7305.14A	205	03.7328.14ADA	211	03.7369.40A	217
03.6800.40ADA	392	03.6818.14A	391	03.7305.14ADA	205	03.7328.40A	211	03.7369.40ADA	217
03.6801.14A	392	03.6818.14ADA	391	03.7305.40A	205	03.7328.40ADA	211	03.7370.14A	217
03.6801.14ADA	392	03.6818.40A	391	03.7305.40ADA	205	03.7329.14A	211	03.7370.14ADA	217
03.6801.40A	392	03.6818.40ADA	391	03.7306.14A	205	03.7329.14ADA	211	03.7370.40A	217
03.6801.40ADA	392	03.6819.14A	391	03.7306.14ADA	205	03.7329.40A	211	03.7370.40ADA	217
03.6802.14A	392	03.6819.14ADA	391	03.7306.40A	205	03.7329.40ADA	211	03.7371.14A	217
03.6802.14ADA	392	03.6819.40A	391	03.7306.40ADA	205	03.7330.14A	211	03.7371.14ADA	217
03.6802.40A	392	03.6819.40ADA	391	03.7307.14A	205	03.7330.14ADA	211	03.7371.40A	217
03.6802.40ADA	392	03.6820.14A	391	03.7307.14ADA	205	03.7330.40A	211	03.7371.40ADA	217
03.6803.14A	391	03.6820.14ADA	391	03.7307.40A	205	03.7330.40ADA	211	03.7372.14A	217
03.6803.14ADA	391	03.6820.40A	391	03.7307.40ADA	205	03.7331.14A	211	03.7372.14ADA	217
03.6803.40A	391	03.6820.40ADA	391	03.7308.14A	207	03.7331.14ADA	211	03.7372.40A	217
03.6803.40ADA	391	03.6821.14A	391	03.7308.14ADA	207	03.7331.40A	211	03.7372.40ADA	217
03.6804.14A	391	03.6821.14ADA	391	03.7308.40A	207	03.7331.40ADA	211	03.7373.14A	217
03.6804.14ADA	391	03.6821.40A	391	03.7308.40ADA	207	03.7350.14A	213	03.7373.14ADA	217
03.6804.40A	391	03.6821.40ADA	391	03.7309.14A	207	03.7350.14ADA	213	03.7373.40A	217
03.6804.40ADA	391	03.6822.14A	391	03.7309.14ADA	207	03.7350.40A	213	03.7373.40ADA	217
03.6805.14A	391	03.6822.14ADA	391	03.7309.40A	207	03.7350.40ADA	213	03.7374.14A	219
03.6805.14ADA	391	03.6822.40A	391	03.7309.40ADA	207	03.7351.14A	213	03.7374.14ADA	219
03.6805.40A	391	03.6822.40ADA	391	03.7310.14A	207	03.7351.14ADA	213	03.7374.40A	219
03.6805.40ADA	391	03.6823.14A	391	03.7310.14ADA	207	03.7351.40A	213	03.7374.40ADA	219
03.6806.14A	391	03.6823.14ADA	391	03.7310.40A	207	03.7351.40ADA	213	03.7375.14A	219

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03.7375.40ADA	219	03.8027.14	129	03.8043.05	125	03.8052.40.DA	22	03.8072.40.1V	128
03.7376.14A	219	03.8027.14.1V	129	03.8043.05.1V	21	03.8052.40.DA	126	03.8072.40.CB	24
03.7376.14ADA	219	03.8027.14.CB	129	03.8043.05.1V	125	03.8053.05	22	03.8072.40.CB	128
03.7376.40A	219	03.8027.14.DA	129	03.8043.05.CB	21	03.8053.05	126	03.8072.40.DA	24
03.7376.40ADA	219	03.8027.40	129	03.8043.05.CB	125	03.8053.05.1V	22	03.8072.40.DA	128
03.7377.14A	219	03.8027.40.1V	129	03.8043.05.DA	21	03.8053.05.1V	126	03.8073.05	24
03.7377.14ADA	219	03.8027.40.CB	129	03.8043.05.DA	125	03.8053.05.CB	22	03.8073.05	128
03.7377.40A	219	03.8027.40.DA	129	03.8043.14	21	03.8053.05.CB	126	03.8073.05.1V	24
03.7377.40ADA	219	03.8028.05	129	03.8043.14	125	03.8053.05.DA	22	03.8073.05.1V	128
03.7378.14A	219	03.8028.05.1V	129	03.8043.14.1V	21	03.8053.05.DA	126	03.8073.05.CB	24
03.7378.14ADA	219	03.8028.05.CB	129	03.8043.14.1V	125	03.8053.14	22	03.8073.05.CB	128
03.7378.40A	219	03.8028.05.DA	129	03.8043.14.CB	21	03.8053.14	126	03.8073.05.DA	24
03.7378.40ADA	219	03.8028.14	129	03.8043.14.CB	125	03.8053.14.1V	22	03.8073.05.DA	128
03.7379.14A	219	03.8028.14.1V	129	03.8043.14.DA	21	03.8053.14.1V	126	03.8073.14	24
03.7379.14ADA	219	03.8028.14.CB	129	03.8043.14.DA	125	03.8053.14.CB	22	03.8073.14	128
03.7379.40A	219	03.8028.14.DA	129	03.8043.40	21	03.8053.14.CB	126	03.8073.14.1V	24
03.7379.40ADA	219	03.8028.40	129	03.8043.40	125	03.8053.14.DA	22	03.8073.14.1V	128
03.7380.14A	219	03.8028.40.1V	129	03.8043.40.1V	21	03.8053.14.DA	126	03.8073.14.CB	24
03.7380.14ADA	219	03.8028.40.CB	129	03.8043.40.1V	125	03.8053.40	22	03.8073.14.CB	128
03.7380.40A	219	03.8028.40.DA	129	03.8043.40.CB	21	03.8053.40	126	03.8073.14.DA	24
03.7380.40ADA	219	03.8032.05	20	03.8043.40.CB	125	03.8053.40.1V	22	03.8073.14.DA	128
03.7381.14A	219	03.8032.05	124	03.8043.40.DA	21	03.8053.40.1V	126	03.8073.40	24
03.7381.14ADA	219	03.8032.05.1V	20	03.8043.40.DA	125	03.8053.40.CB	22	03.8073.40	128
03.7381.40A	219	03.8032.05.1V	124	03.8044.05	21	03.8053.40.CB	126	03.8073.40.1V	24
03.7381.40ADA	219	03.8032.05.CB	20	03.8044.05	125	03.8053.40.DA	22	03.8073.40.1V	128
03.8000.14	123	03.8032.05.CB	124	03.8044.05.1V	21	03.8053.40.DA	126	03.8073.40.CB	24
03.8000.14.1V	123	03.8032.05.DA	20	03.8044.05.1V	125	03.8054.05	22	03.8073.40.CB	128
03.8000.14.CB	123	03.8032.05.DA	124	03.8044.05.CB	21	03.8054.05	126	03.8073.40.DA	24
03.8000.14.DA	123	03.8032.14	20	03.8044.05.CB	125	03.8054.05.1V	22	03.8073.40.DA	128
03.8001.14	123	03.8032.14	124	03.8044.05.DA	21	03.8054.05.1V	126	03.8074.05	24
03.8001.14.1V	123	03.8032.14.1V	20	03.8044.05.DA	125	03.8054.05.CB	22	03.8074.05	128
03.8001.14.CB	123	03.8032.14.1V	124	03.8044.14	21	03.8054.05.CB	126	03.8074.05.1V	24
03.8001.14.DA	123	03.8032.14.CB	20	03.8044.14	125	03.8054.05.DA	22	03.8074.05.1V	128
03.8002.14.1V	123	03.8032.14.CB	124	03.8044.14.1V	21	03.8054.05.DA	126	03.8074.05.CB	24
03.8002.14.CB	123	03.8032.14.DA	20	03.8044.14.1V	125	03.8054.14	22	03.8074.05.CB	128
03.8002.14.DA	123	03.8032.14.DA	124	03.8044.14.CB	21	03.8054.14	126	03.8074.05.DA	24
03.8003.14	123	03.8032.40	20	03.8044.14.CB	125	03.8054.14.1V	22	03.8074.05.DA	128
03.8003.14.1V	123	03.8032.40	124	03.8044.14.DA	21	03.8054.14.1V	126	03.8074.14	24
03.8003.14.CB	123	03.8032.40.1V	20	03.8044.14.DA	125	03.8054.14.CB	22	03.8074.14	128
03.8003.14.DA	123	03.8032.40.1V	124	03.8044.40	21	03.8054.14.CB	126	03.8074.14.1V	24
03.8004.14	123	03.8032.40.CB	20	03.8044.40	125	03.8054.14.DA	22	03.8074.14.1V	128
03.8004.14.1V	123	03.8032.40.CB	124	03.8044.40.1V	21	03.8054.14.DA	126	03.8074.14.CB	24
03.8004.14.CB	123	03.8032.40.DA	20	03.8044.40.1V	125	03.8054.40	22	03.8074.14.CB	128
03.8004.14.DA	123	03.8032.40.DA	124	03.8044.40.CB	21	03.8054.40	126	03.8074.14.DA	24
03.8005.14	123	03.8033.05	20	03.8044.40.CB	125	03.8054.40.1V	22	03.8074.14.DA	128
03.8005.14.1V	123	03.8033.05	124	03.8044.40.DA	21	03.8054.40.1V	126	03.8074.40	24
03.8005.14.CB	123	03.8033.05.1V	20	03.8044.40.DA	125	03.8054.40.CB	22	03.8074.40	128
03.8005.14.DA	123	03.8033.05.1V	124	03.8045.05	21	03.8054.40.CB	126	03.8074.40.1V	24
03.8006.14	123	03.8033.05.CB	20	03.8045.05	125	03.8054.40.DA	22	03.8074.40.1V	128
03.8006.14.1V	123	03.8033.05.CB	124	03.8045.05.1V	21	03.8054.40.DA	126	03.8074.40.CB	24
03.8006.14.CB	123	03.8033.05.DA	20	03.8045.05.1V	125	03.8055.05	22	03.8074.40.CB	128
03.8006.14.DA	123	03.8033.05.DA	124	03.8045.05.CB	21	03.8055.05	126	03.8074.40.DA	24
03.8007.14	123	03.8033.14	20	03.8045.05.CB	125	03.8055.05.1V	22	03.8074.40.DA	128
03.8007.14.1V	123	03.8033.14	124	03.8045.05.DA	21	03.8055.05.1V	126	03.8075.05	24
03.8007.14.CB	123	03.8033.14.1V	20	03.8045.05.DA	125	03.8055.05.CB	22	03.8075.05	128
03.8007.14.DA	123	03.8033.14.1V	124	03.8045.14	21	03.8055.05.CB	126	03.8075.05.1V	24
03.8008.14	123	03.8033.14.CB	20	03.8045.14	125	03.8055.05.DA	22	03.8075.05.1V	128
03.8008.14.1V	123	03.8033.14.CB	124	03.8045.14.1V	21	03.8055.05.DA	126	03.8075.05.CB	24
03.8008.14.CB	123	03.8033.14.DA	20	03.8045.14.1V	125	03.8055.14	22	03.8075.05.CB	128
03.8008.14.DA	123	03.8033.14.DA	124	03.8045.14.CB	21	03.8055.14	126	03.8075.05.DA	24
03.8009.14	123	03.8033.40	20	03.8045.14.CB	125	03.8055.14.1V	22	03.8075.05.DA	128
03.8009.14.1V	123	03.8033.40	124	03.8045.14.DA	21	03.8055.14.1V	126	03.8075.14	24
03.8009.14.CB	123	03.8033.40.1V	20	03.8045.14.DA	125	03.8055.14.CB	22	03.8075.14	128
03.8009.14.DA	123	03.8033.40.1V	124	03.8045.40	21	03.8055.14.CB	126	03.8075.14.1V	24
03.8025.05	129	03.8033.40.CB	20	03.8045.40	125	03.8055.14.DA	22	03.8075.14.1V	128
03.8025.05.1V	129	03.8033.40.CB	124	03.8045.40.1V	21	03.8055.14.DA	126	03.8075.14.CB	24
03.8025.05.CB	129	03.8033.40.DA	20	03.8045.40.1V	125	03.8055.40	22	03.8075.14.CB	128
03.8025.05.DA	129	03.8042.05	21	03.8045.40.CB	21	03.8055.40	126	03.8075.14.DA	24
03.8025.14	129	03.8042.05	125	03.8045.40.CB	125	03.8055.40.1V	22	03.8075.14.DA	128
03.8025.14.1V	129	03.8042.05.1V	21	03.8045.40.DA	21	03.8055.40.1V	126	03.8075.40	24
03.8025.14.CB	129	03.8042.05.1V	125	03.8045.40.DA	125	03.8055.40.CB	22	03.8075.40	128
03.8025.14.DA	129	03.8042.05.1V	125	03.8052.05	22	03.8055.40.CB	126	03.8075.40.1V	24
03.8025.40	129	03.8042.05.CB	21	03.8052.05	126	03.8055.40.DA	22	03.8075.40.1V	128
03.8025.40.1V	129	03.8042.05.CB	125	03.8052.05.1V	22	03.8055.40.DA	126	03.8075.40.CB	24
03.8025.40.CB	129	03.8042.05.DA	21	03.8052.05.1V	126	03.8072.05	24	03.8075.40.CB	128
03.8025.40.DA	129	03.8042.05.DA	125	03.8052.05.CB	22	03.8072.05	128	03.8075.40.DA	24
03.8026.05	129	03.8042.14	21	03.8052.05.CB	126	03.8072.05.1V	24	03.8075.40.DA	128
03.8026.05.1V	129	03.8042.14	125	03.8052.05.DA	22	03.8072.05.1V	128	03.8076.05	24
03.8026.05.CB	129	03.8042.14.1V	21	03.8052.05.DA	126	03.8072.05.CB	24	03.8076.05	128
03.8026.05.DA	129	03.8042.14.1V	125	03.8052.14	22	03.8072.05.CB	128	03.8076.05.1V	24
03.8026.14	129	03.8042.14.CB	21	03.8052.14	126	03.8072.05.DA	24	03.8076.05.1V	128
03.8026.14.1V	129	03.8042.14.CB	125	03.8052.14.1V	22	03.8072.05.DA	128	03.8076.05.CB	24
03.8026.14.CB	129	03.8042.14.DA	21	03.8052.14.1V	126	03.8072.14	24	03.8076.05.CB	128
03.8026.14.DA	129	03.8042.14.DA	125	03.8052.14.CB	22	03.8072.14	128	03.8076.05.DA	24
03.8026.40	129	03.8042.40	21	03.8052.14.CB	126	03.8072.14.1V	24	03.8076.05.DA	128
03.8026.40.1V	129	03.8042.40	125	03.8052.14.DA	22	03.8072.14.1V	128	03.8076.14	24
03.8026.40.CB	129	03.8042.40.1V	21	03.8052.14.DA	126	03.8072.14.CB	24	03.8076.14	128
03.8026.40.DA	129	03.8042.40.1V	125	03.8052.40	22	03.8072.14.CB	128	03.8076.14.1V	24
03.8027.05	129	03.8042.40.CB	21	03.8052.40	126	03.8072.14.DA	24	03.8076.14.1V	128
03.8027.05.1V	129	03.8042.40.CB	125	03.8052.40.1V	22	03.8072.14.DA	128	03.8076.14.CB	24
		03.8042.40.DA	21	03.8052.40.1V	126	03.8072.40	24	03.8076.14.CB	128

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03.8076.14.DA	128	03.8107.40	18	03.8132.RC.DA	26	03.8154.05	23	03.8157.40.CB	127
03.8076.40	24	03.8107.40.IV	18	03.8133.00	26	03.8154.05	127	03.8157.40.DA	23
03.8076.40	128	03.8107.40.CB	18	03.8133.00.IV	26	03.8154.05.IV	23	03.8157.40.DA	127
03.8076.40.IV	24	03.8107.40.DA	18	03.8133.00.CB	26	03.8154.05.IV	127	03.8300.14A	189
03.8076.40.IV	128	03.8110.14	19	03.8133.00.DA	26	03.8154.05.CB	23	03.8300.14ADA	189
03.8076.40.CB	24	03.8110.14.IV	19	03.8133.FU	26	03.8154.05.CB	127	03.8300.40A	189
03.8076.40.CB	128	03.8110.14.CB	19	03.8133.FU.IV	26	03.8154.05.DA	23	03.8300.40ADA	189
03.8076.40.DA	24	03.8110.14.DA	19	03.8133.FU.CB	26	03.8154.05.DA	127	03.8301.14A	189
03.8076.40.DA	128	03.8110.40	19	03.8133.FU.DA	26	03.8154.14	23	03.8301.14ADA	189
03.8077.05	24	03.8110.40.IV	19	03.8133.RC	26	03.8154.14	127	03.8301.40A	189
03.8077.05	128	03.8110.40.CB	19	03.8133.RC.IV	26	03.8154.14.IV	23	03.8301.40ADA	189
03.8077.05.IV	24	03.8110.40.DA	19	03.8133.RC.CB	26	03.8154.14.IV	127	03.8302.14A	189
03.8077.05.IV	128	03.8111.14	19	03.8133.RC.DA	26	03.8154.14.CB	23	03.8302.14ADA	189
03.8077.05.CB	24	03.8111.14.IV	19	03.8135.00	26	03.8154.14.CB	127	03.8302.40A	189
03.8077.05.CB	128	03.8111.14.CB	19	03.8135.00.IV	26	03.8154.14.DA	23	03.8302.40ADA	189
03.8077.05.DA	24	03.8111.14.DA	19	03.8135.00.CB	26	03.8154.14.DA	127	03.8303.14A	189
03.8077.05.DA	128	03.8111.40	19	03.8135.00.DA	26	03.8154.40	23	03.8303.14ADA	189
03.8077.14	24	03.8111.40.IV	19	03.8135.FU	26	03.8154.40	127	03.8303.40A	189
03.8077.14	128	03.8111.40.CB	19	03.8135.FU.IV	26	03.8154.40.IV	23	03.8303.40ADA	189
03.8077.14.IV	24	03.8111.40.DA	19	03.8135.FU.CB	26	03.8154.40.IV	127	03.8304.14A	189
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03.8077.14.CB	128	03.8112.14.CB	19	03.8135.RC.IV	26	03.8154.40.DA	23	03.8304.40ADA	189
03.8077.14.DA	24	03.8112.14.DA	19	03.8135.RC.CB	26	03.8154.40.DA	127	03.8305.14A	189
03.8077.14.DA	128	03.8112.40	19	03.8135.RC.DA	26	03.8155.05	23	03.8305.14ADA	189
03.8077.40	24	03.8112.40.IV	19	03.8136.00	27	03.8155.05	127	03.8305.40A	189
03.8077.40	128	03.8112.40.CB	19	03.8136.00.IV	27	03.8155.05.IV	23	03.8305.40ADA	189
03.8077.40.IV	24	03.8112.40.DA	19	03.8136.00.CB	27	03.8155.05.IV	127	03.8306.14A	189
03.8077.40.IV	128	03.8115.14	19	03.8136.00.DA	27	03.8155.05.CB	23	03.8306.14ADA	189
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03.8077.40.CB	128	03.8115.14.CB	19	03.8136.FU.IV	27	03.8155.05.DA	23	03.8306.40ADA	189
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03.8077.40.DA	128	03.8115.40	19	03.8136.FU.DA	27	03.8155.14	23	03.8307.14ADA	189
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03.8090.14.IV	130	03.8115.40.CB	19	03.8136.RC.IV	27	03.8155.14.IV	23	03.8307.40ADA	189
03.8090.14.CB	130	03.8115.40.DA	19	03.8136.RC.CB	27	03.8155.14.IV	127	03.8308.14A	191
03.8090.14.DA	130	03.8116.14	19	03.8136.RC.DA	27	03.8155.14.CB	23	03.8308.14ADA	191
03.8090.40	130	03.8116.14.IV	19	03.8137.00	26	03.8155.14.CB	127	03.8308.40A	191
03.8090.40.IV	130	03.8116.14.CB	19	03.8137.00.IV	26	03.8155.14.DA	23	03.8308.40ADA	191
03.8090.40.CB	130	03.8116.14.DA	19	03.8137.00.CB	26	03.8155.14.DA	127	03.8309.14A	191
03.8090.40.DA	130	03.8116.40	19	03.8137.00.DA	26	03.8155.40	23	03.8309.14ADA	191
03.8091.14	130	03.8116.40.IV	19	03.8137.FU	26	03.8155.40	127	03.8309.40A	191
03.8091.14.IV	130	03.8116.40.CB	19	03.8137.FU.IV	26	03.8155.40.IV	23	03.8309.40ADA	191
03.8091.14.CB	130	03.8116.40.DA	19	03.8137.FU.CB	26	03.8155.40.IV	127	03.8310.14A	191
03.8091.14.DA	130	03.8117.14	19	03.8137.FU.DA	26	03.8155.40.CB	23	03.8310.14ADA	191
03.8091.40	130	03.8117.14.IV	19	03.8137.RC	26	03.8155.40.CB	127	03.8310.40A	191
03.8091.40.IV	130	03.8117.14.CB	19	03.8137.RC.IV	26	03.8155.40.DA	23	03.8310.40ADA	191
03.8091.40.CB	130	03.8117.14.DA	19	03.8137.RC.CB	26	03.8155.40.DA	127	03.8311.14A	191
03.8091.40.DA	130	03.8117.40	19	03.8137.RC.DA	26	03.8156.05	23	03.8311.14ADA	191
03.8100.14	18	03.8117.40.IV	19	03.8138.00	27	03.8156.05	127	03.8311.40A	191
03.8100.14.IV	18	03.8117.40.CB	19	03.8138.00.IV	27	03.8156.05.IV	23	03.8311.40ADA	191
03.8100.14.CB	18	03.8117.40.DA	19	03.8138.00.CB	27	03.8156.05.IV	127	03.8312.14A	191
03.8100.14.DA	18	03.8120.14	17	03.8138.00.DA	27	03.8156.05.CB	23	03.8312.14ADA	191
03.8100.40	18	03.8120.40	17	03.8138.FU	27	03.8156.05.CB	127	03.8312.40A	191
03.8100.40.IV	18	03.8121.14	17	03.8138.FU.IV	27	03.8156.05.DA	23	03.8312.40ADA	191
03.8100.40.CB	18	03.8121.40	17	03.8138.FU.CB	27	03.8156.05.DA	127	03.8313.14A	191
03.8100.40.DA	18	03.8122.14	17	03.8138.FU.DA	27	03.8156.14	23	03.8313.14ADA	191
03.8101.14	18	03.8122.40	17	03.8138.RC	27	03.8156.14	127	03.8313.40A	191
03.8101.14.IV	18	03.8130.00	26	03.8138.RC.IV	27	03.8156.14.IV	23	03.8313.40ADA	191
03.8101.14.CB	18	03.8130.00.IV	26	03.8138.RC.CB	27	03.8156.14.IV	127	03.8314.14A	191
03.8101.14.DA	18	03.8130.00.CB	26	03.8138.RC.DA	27	03.8156.14.CB	23	03.8314.14ADA	191
03.8101.40	18	03.8130.00.DA	26	03.8140.14	25	03.8156.14.CB	127	03.8314.40A	191
03.8101.40.IV	18	03.8130.FU	26	03.8140.14.IV	25	03.8156.14.DA	23	03.8314.40ADA	191
03.8101.40.CB	18	03.8130.FU.IV	26	03.8140.14.CB	25	03.8156.14.DA	127	03.8315.14A	191
03.8101.40.DA	18	03.8130.FU.CB	26	03.8140.14.DA	25	03.8156.40	23	03.8315.14ADA	191
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03.8102.14.IV	18	03.8130.RC	26	03.8140.40.IV	25	03.8156.40.IV	23	03.8315.40ADA	191
03.8102.14.CB	18	03.8130.RC.IV	26	03.8140.40.CB	25	03.8156.40.IV	127	03.8316.14A	193
03.8102.14.DA	18	03.8130.RC.CB	26	03.8140.40.DA	25	03.8156.40.CB	23	03.8316.14ADA	193
03.8102.40	18	03.8130.RC.DA	26	03.8141.14	25	03.8156.40.CB	127	03.8316.40A	193
03.8102.40.IV	18	03.8131.00	26	03.8141.14.IV	25	03.8156.40.DA	23	03.8316.40ADA	193
03.8102.40.CB	18	03.8131.00.IV	26	03.8141.14.CB	25	03.8156.40.DA	127	03.8317.14A	193
03.8102.40.DA	18	03.8131.00.CB	26	03.8141.14.DA	25	03.8157.05	23	03.8317.14ADA	193
03.8105.14	18	03.8131.00.DA	26	03.8141.40	25	03.8157.05	127	03.8317.40A	193
03.8105.14.IV	18	03.8131.FU	26	03.8141.40.IV	25	03.8157.05.IV	23	03.8317.40ADA	193
03.8105.14.CB	18	03.8131.FU.IV	26	03.8141.40.CB	25	03.8157.05.IV	127	03.8318.14A	193
03.8105.14.DA	18	03.8131.FU.CB	26	03.8141.40.DA	25	03.8157.05.CB	23	03.8318.14ADA	193
03.8105.40	18	03.8131.FU.DA	26	03.8142.14	25	03.8157.05.CB	127	03.8318.40A	193
03.8105.40.IV	18	03.8131.RC	26	03.8142.14.IV	25	03.8157.05.DA	23	03.8318.40ADA	193
03.8105.40.CB	18	03.8131.RC.IV	26	03.8142.14.CB	25	03.8157.05.DA	127	03.8319.14A	193
03.8105.40.DA	18	03.8131.RC.CB	26	03.8142.14.DA	25	03.8157.14	23	03.8319.14ADA	193
03.8106.14	18	03.8131.RC.DA	26	03.8142.40	25	03.8157.14	127	03.8319.40A	193
03.8106.14.IV	18	03.8132.00	26	03.8142.40.IV	25	03.8157.14.IV	23	03.8319.40ADA	193
03.8106.14.CB	18	03.8132.00.IV	26	03.8142.40.CB	25	03.8157.14.IV	127	03.8320.14A	193
03.8106.14.DA	18	03.8132.00.CB	26	03.8142.40.DA	25	03.8157.14.CB	23	03.8320.14ADA	193
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03.8106.40.IV	18	03.8132.FU	26	03.8143.14.IV	25	03.8157.14.DA	23	03.8320.40ADA	193
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03.8361.14ADA	199	03.8405.14	33	03.8514.18	12	03.8644.40A	228	03.8839.40ADA	192
03.8361.40A	199	03.8405.40	33	03.8514.GN	12	03.8644.GLA	228	03.8840.14A	192
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03.8362.40ADA	199	03.8412.14	34	03.8521.18	12	03.8646.06A	229	03.8841.14ADA	192
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03.9442.40ADA	216	03.9472.14A	218	03.9627.40A	104	03.9666.14A	105	03.9764.14ADA	224
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03.9446.14A	217	03.9475.14ADA	219	03.9630.14A	103	03.9667.40A	105	03.9766.40A	224
03.9446.14ADA	217	03.9475.40A	219	03.9630.14ACB	103	03.9667.40ACB	105	03.9766.40ADA	224
03.9446.40A	217	03.9475.40ADA	219	03.9630.14ADA	103	03.9667.40ADA	105	03.9767.14A	224
03.9446.40ADA	217	03.9476.14A	219	03.9630.40A	103	03.9720.14A	222	03.9767.14ADA	224
03.9447.14A	217	03.9476.14ADA	219	03.9630.40ACB	103	03.9720.14ADA	222	03.9767.40A	224
03.9447.14ADA	217	03.9476.40A	219	03.9630.40ADA	103	03.9720.40A	222	03.9767.40ADA	224
03.9447.40A	217	03.9476.40ADA	219	03.9631.14A	103	03.9720.40ADA	222	03.9820.14A	222
03.9447.40ADA	217	03.9477.14A	219	03.9631.14ACB	103	03.9721.14A	222	03.9820.14ADA	222
03.9448.14A	217	03.9477.14ADA	219	03.9631.14ADA	103	03.9721.14ADA	222	03.9820.40A	222
03.9448.14ADA	217	03.9477.40A	219	03.9631.40A	103	03.9721.40A	222	03.9820.40ADA	222
03.9448.40A	217	03.9477.40ADA	219	03.9631.40ACB	103	03.9721.40ADA	222	03.9821.14A	222
03.9448.40ADA	217	03.9478.14A	219	03.9631.40ADA	103	03.9722.14A	223	03.9821.14ADA	222
03.9450.14A	216	03.9478.14ADA	219	03.9632.14A	103	03.9722.14ADA	223	03.9821.40A	222
03.9450.14ADA	216	03.9478.40A	219	03.9632.14ACB	103	03.9722.40A	223	03.9821.40ADA	222
03.9450.40A	216	03.9478.40ADA	219	03.9632.14ADA	103	03.9722.40ADA	223	03.9822.14A	223
03.9450.40ADA	216	03.9500.02	540	03.9632.40A	103	03.9723.14A	223	03.9822.14ADA	223
03.9451.14A	216	03.9500.14	540	03.9632.40ACB	103	03.9723.14ADA	223	03.9822.40A	223
03.9451.14ADA	216	03.9500.40	540	03.9632.40ADA	103	03.9723.40A	223	03.9822.40ADA	223
03.9451.40A	216	03.9501.02	540	03.9633.14A	103	03.9723.40ADA	223	03.9823.14A	223
03.9451.40ADA	216	03.9501.14	540	03.9633.14ACB	103	03.9725.14A	223	03.9823.14ADA	223
03.9452.14A	216	03.9501.40	540	03.9633.14ADA	103	03.9725.14ADA	223	03.9823.40A	223
03.9452.14ADA	216	03.9502.02	540	03.9633.40A	103	03.9725.40A	223	03.9823.40ADA	223
03.9452.40A	216	03.9502.14	540	03.9633.40ACB	103	03.9725.40ADA	223	03.9825.14A	223
03.9452.40ADA	216	03.9502.40	540	03.9633.40ADA	103	03.9726.14A	223	03.9825.14ADA	223
03.9453.14A	216	03.9503.02	540	03.9635.14A	104	03.9726.14ADA	223	03.9825.40A	223
03.9453.14ADA	216	03.9503.14	540	03.9635.14ACB	104	03.9726.40A	223	03.9825.40ADA	223
03.9453.40A	216	03.9503.40	540	03.9635.14ADA	104	03.9726.40ADA	223	03.9826.14A	223
03.9453.40ADA	216	03.9510.02	540	03.9635.40A	104	03.9727.14A	223	03.9826.14ADA	223
03.9455.14A	217	03.9510.14	540	03.9635.40ACB	104	03.9727.14ADA	223	03.9826.40A	223
03.9455.14ADA	217	03.9510.40	540	03.9635.40ADA	104	03.9727.40A	223	03.9826.40ADA	223
03.9455.40A	217	03.9511.02	540	03.9636.14A	104	03.9727.40ADA	223	03.9827.14A	223
03.9455.40ADA	217	03.9511.14	540	03.9636.14ACB	104	03.9728.14A	223	03.9827.14ADA	223
03.9456.14A	217	03.9511.40	540	03.9636.14ADA	104	03.9728.14ADA	223	03.9827.40A	223
03.9456.14ADA	217	03.9560.02	541	03.9636.40A	104	03.9728.40A	223	03.9827.40ADA	223
03.9456.40A	217	03.9560.14	541	03.9636.40ACB	104	03.9728.40ADA	223	03.9828.14A	223
03.9456.40ADA	217	03.9560.40	541	03.9636.40ADA	104	03.9730.14A	222	03.9828.14ADA	223

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03.9828.40A	223	03.9905.40ADA	106	03.9956.06	232	03.9985.14	235	04.6475.20B	438
03.9828.40ADA	223	03.9910.06	232	03.9956.14	232	03.9985.40	235	04.6476.08B	438
03.9830.14A	222	03.9910.14	232	03.9956.40	232	03.9985.GL	235	04.6476.14B	438
03.9830.14ADA	222	03.9910.40	232	03.9956.GL	232	03.9986.06	235	04.6476.14BNT	438
03.9830.40A	222	03.9910.GL	232	03.9957.06	232	03.9986.14	235	04.6476.20B	438
03.9830.40ADA	222	03.9911.06	232	03.9957.14	232	03.9986.40	235	04.6480.08B	439
03.9831.14A	222	03.9911.14	232	03.9957.40	232	03.9986.GL	235	04.6480.14B	439
03.9831.14ADA	222	03.9911.40	232	03.9957.GL	232	03.9987.06	235	04.6480.14BNT	439
03.9831.40A	222	03.9911.GL	232	03.9960.06	233	03.9987.14	235	04.6480.20B	439
03.9831.40ADA	222	03.9912.06	232	03.9960.14	233	03.9987.40	235	04.6481.08B	439
03.9832.14A	223	03.9912.14	232	03.9960.40	233	03.9987.GL	235	04.6481.14B	439
03.9832.14ADA	223	03.9912.40	232	03.9960.GL	233	03.9988.06	235	04.6481.14BNT	439
03.9832.40A	223	03.9912.GL	232	03.9961.06	233	03.9988.14	235	04.6481.20B	439
03.9832.40ADA	223	03.9913.06	232	03.9961.14	233	03.9988.40	235	04.6485.08B	439
03.9833.14A	223	03.9913.14	232	03.9961.40	233	03.9988.GL	235	04.6485.14B	439
03.9833.14ADA	223	03.9913.40	232	03.9961.GL	233	03.9989.06	235	04.6485.14BNT	439
03.9833.40A	223	03.9913.GL	232	03.9962.06	233	03.9989.14	235	04.6485.20B	439
03.9833.40ADA	223	03.9920.06	233	03.9962.14	233	03.9989.40	235	04.6486.08B	439
03.9835.14A	223	03.9920.14	233	03.9962.40	233	03.9989.GL	235	04.6486.14B	439
03.9835.14ADA	223	03.9920.40	233	03.9962.GL	233	04.6001.08	441	04.6486.14BNT	439
03.9835.40A	223	03.9920.GL	233	03.9963.06	233	04.6001.08.NT	441	04.6486.20B	439
03.9835.40ADA	223	03.9921.06	233	03.9963.14	233	04.6001.14	441	05.7000.74	346
03.9836.14A	223	03.9921.14	233	03.9963.40	233	04.6001.14.NT	441	05.7000.B1	346
03.9836.14ADA	223	03.9921.40	233	03.9963.GL	233	04.6001.20	441	05.7000.BU	346
03.9836.40A	223	03.9921.GL	233	03.9964.06	233	04.6001.20.NT	441	05.7000.CU	346
03.9836.40ADA	223	03.9922.06	233	03.9964.14	233	04.6002.08	441	05.7000.GL	346
03.9837.14A	223	03.9922.14	233	03.9964.40	233	04.6002.08.NT	441	05.7001.74	347
03.9837.14ADA	223	03.9922.40	233	03.9964.GL	233	04.6002.14	441	05.7001.B1	347
03.9837.40A	223	03.9922.GL	233	03.9965.06	233	04.6002.14.NT	441	05.7001.BU	347
03.9837.40ADA	223	03.9923.06	233	03.9965.14	233	04.6002.20	441	05.7001.CU	347
03.9838.14A	223	03.9923.14	233	03.9965.40	233	04.6002.20.NT	441	05.7001.GL	347
03.9838.14ADA	223	03.9923.40	233	03.9965.GL	233	04.6021.08	440	05.7002.74	348
03.9838.40A	223	03.9923.GL	233	03.9966.06	233	04.6021.08.NT	440	05.7002.B1	348
03.9838.40ADA	223	03.9924.06	233	03.9966.14	233	04.6021.14	440	05.7002.BU	348
03.9860.14A	224	03.9924.14	233	03.9966.40	233	04.6021.14.NT	440	05.7002.CU	348
03.9860.14ADA	224	03.9924.40	233	03.9966.GL	233	04.6021.20	440	05.7002.GL	348
03.9860.40A	224	03.9924.GL	233	03.9967.06	233	04.6021.20.NT	440	05.7005.74	346
03.9860.40ADA	224	03.9931.06	234	03.9967.14	233	04.6022.08	440	05.7005.B1	346
03.9861.14A	224	03.9931.14	234	03.9967.40	233	04.6022.08.NT	440	05.7005.BU	346
03.9861.14ADA	224	03.9931.40	234	03.9967.GL	233	04.6022.14	440	05.7005.CU	346
03.9861.40A	224	03.9931.GL	234	03.9968.06	233	04.6022.14.NT	440	05.7005.GL	346
03.9861.40ADA	224	03.9932.06	234	03.9968.14	233	04.6022.20	440	05.7006.74	347
03.9862.14A	224	03.9932.14	234	03.9968.40	233	04.6022.20.NT	440	05.7006.B1	347
03.9862.14ADA	224	03.9932.40	234	03.9968.GL	233	04.6300.08	445	05.7006.BU	347
03.9862.40A	224	03.9932.GL	234	03.9969.06	233	04.6300.14	445	05.7006.CU	347
03.9862.40ADA	224	03.9933.06	234	03.9969.14	233	04.6300.20	445	05.7006.GL	347
03.9863.14A	224	03.9933.14	234	03.9969.40	233	04.6301.08	446	05.7007.74	348
03.9863.14ADA	224	03.9933.40	234	03.9969.GL	233	04.6301.14	446	05.7007.B1	348
03.9863.40A	224	03.9933.GL	234	03.9971.06	234	04.6301.20	446	05.7007.BU	348
03.9863.40ADA	224	03.9940.06	235	03.9971.14	234	04.6302.08	447	05.7007.CU	348
03.9864.14A	224	03.9940.14	235	03.9971.40	234	04.6302.14	447	05.7007.GL	348
03.9864.14ADA	224	03.9940.40	235	03.9971.GL	234	04.6302.20	447	05.7010.74	350
03.9864.40A	224	03.9940.GL	235	03.9972.06	234	04.6305.08	445	05.7010.B1	350
03.9864.40ADA	224	03.9941.06	235	03.9972.14	234	04.6305.14	445	05.7010.BU	350
03.9865.14A	224	03.9941.14	235	03.9972.40	234	04.6305.20	445	05.7010.CU	350
03.9865.14ADA	224	03.9941.40	235	03.9972.GL	234	04.6306.08	446	05.7010.GL	350
03.9865.40A	224	03.9941.GL	235	03.9973.06	234	04.6306.14	446	05.7011.74	351
03.9865.40ADA	224	03.9942.06	235	03.9973.14	234	04.6306.20	446	05.7011.B1	351
03.9866.14A	224	03.9942.14	235	03.9973.40	234	04.6307.08	447	05.7011.BU	351
03.9866.14ADA	224	03.9942.40	235	03.9973.GL	234	04.6307.14	447	05.7011.CU	351
03.9866.40A	224	03.9942.GL	235	03.9976.06	234	04.6307.20	447	05.7011.GL	351
03.9866.40ADA	224	03.9943.06	235	03.9976.14	234	04.6330.08B	445	05.7012.74	352
03.9867.14A	224	03.9943.14	235	03.9976.40	234	04.6330.14B	445	05.7012.B1	352
03.9867.14ADA	224	03.9943.40	235	03.9976.GL	234	04.6330.20B	445	05.7012.BU	352
03.9867.40A	224	03.9943.GL	235	03.9977.06	234	04.6333.08B	446	05.7012.CU	352
03.9867.40ADA	224	03.9944.06	235	03.9977.14	234	04.6333.14B	446	05.7012.GL	352
03.9900.14A	220	03.9944.14	235	03.9977.40	234	04.6333.20B	446	05.7015.74	350
03.9900.14ADA	220	03.9944.40	235	03.9977.GL	234	04.6334.08B	446	05.7015.B1	350
03.9900.40A	220	03.9944.GL	235	03.9978.06	234	04.6334.14B	446	05.7015.BU	350
03.9900.40ADA	220	03.9950.06	232	03.9978.14	234	04.6334.20B	446	05.7015.CU	350
03.9901.14A	220	03.9950.14	232	03.9978.40	234	04.6335.08B	446	05.7015.GL	350
03.9901.14ADA	220	03.9950.40	232	03.9978.GL	234	04.6335.14B	446	05.7016.74	351
03.9901.40A	220	03.9950.GL	232	03.9980.06	235	04.6335.20B	446	05.7016.B1	351
03.9901.40ADA	220	03.9951.06	232	03.9980.14	235	04.6336.08B	447	05.7016.BU	351
03.9902.14A	220	03.9951.14	232	03.9980.40	235	04.6336.14B	447	05.7016.CU	351
03.9902.14ADA	220	03.9951.40	232	03.9980.GL	235	04.6336.20B	447	05.7016.GL	351
03.9902.40A	220	03.9951.GL	232	03.9981.06	235	04.6337.08B	447	05.7017.74	352
03.9902.40ADA	220	03.9952.06	232	03.9981.14	235	04.6337.14B	447	05.7017.B1	352
03.9903.14A	220	03.9952.14	232	03.9981.40	235	04.6337.20B	447	05.7017.BU	352
03.9903.14ADA	220	03.9952.40	232	03.9981.GL	235	04.6338.08B	447	05.7017.CU	352
03.9903.40A	220	03.9952.GL	232	03.9982.06	235	04.6338.14B	447	05.7017.GL	352
03.9903.40ADA	220	03.9953.06	232	03.9982.14	235	04.6338.20B	447	05.7020.74	354
03.9904.14A	106	03.9953.14	232	03.9982.40	235	04.6470.08B	438	05.7020.B1	354
03.9904.14ACB	106	03.9953.40	232	03.9982.GL	235	04.6470.14B	438	05.7020.BU	354
03.9904.14ADA	106	03.9953.GL	232	03.9983.06	235	04.6470.14BNT	438	05.7020.CU	354
03.9904.40A	106	03.9954.06	232	03.9983.14	235	04.6470.20B	438	05.7020.GL	354
03.9904.40ACB	106	03.9954.14	232	03.9983.40	235	04.6471.08B	438	05.7021.74	354
03.9904.40ADA	106	03.9954.40	232	03.9983.GL	235	04.6471.14B	438	05.7021.B1	354
03.9905.14A	106	03.9954.GL	232	03.9984.06	235	04.6471.14BNT	438	05.7021.BU	354
03.9905.14ACB	106	03.9955.06	232	03.9984.14	235	04.6471.20B	438	05.7021.CU	354
03.9905.14ADA	106	03.9955.14	232	03.9984.40	235	04.6475.08B	438	05.7021.GL	354
03.9905.40A	106	03.9955.40	232	03.9984.GL	235	04.6475.14B	438	05.7030.74	349
03.9905.40ACB	106	03.9955.GL	232	03.9985.06	235	04.6475.14BNT	438	05.7030.B1	349

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05.7030.BU	349	05.7121.74	298	05.7207.CU	311	05.7400.B1	328	05.7420.GL	283
05.7030.CU	349	05.7121.B1	298	05.7207.GL	311	05.7400.BU	328	05.7421.74	283
05.7030.GL	349	05.7121.BU	298	05.7210.74	312	05.7400.CU	328	05.7421.B1	283
05.7031.74	349	05.7121.CU	298	05.7210.B1	312	05.7400.GL	328	05.7421.BU	283
05.7031.B1	349	05.7121.GL	298	05.7210.BU	312	05.7401.74	330	05.7421.CU	283
05.7031.BU	349	05.7130.74	293	05.7210.CU	312	05.7401.B1	330	05.7421.GL	283
05.7031.CU	349	05.7130.B1	293	05.7210.GL	312	05.7401.BU	330	05.7422.74	285
05.7031.GL	349	05.7130.BU	293	05.7211.74	313	05.7401.CU	330	05.7422.B1	285
05.7035.74	353	05.7130.CU	293	05.7211.B1	313	05.7401.GL	330	05.7422.BU	285
05.7035.B1	353	05.7130.GL	293	05.7211.BU	313	05.7402.74	332	05.7422.CU	285
05.7035.BU	353	05.7131.74	293	05.7211.CU	313	05.7402.B1	332	05.7422.GL	285
05.7035.CU	353	05.7131.B1	293	05.7211.GL	313	05.7402.BU	332	05.7423.74	285
05.7035.GL	353	05.7131.BU	293	05.7212.74	314	05.7402.CU	332	05.7423.B1	285
05.7036.74	353	05.7131.CU	293	05.7212.B1	314	05.7402.GL	332	05.7423.BU	285
05.7036.B1	353	05.7131.GL	293	05.7212.BU	314	05.7403.74	328	05.7423.CU	285
05.7036.BU	353	05.7135.74	297	05.7212.CU	314	05.7403.B1	328	05.7423.GL	285
05.7036.CU	353	05.7135.B1	297	05.7212.GL	314	05.7403.BU	328	05.7430.74	317
05.7036.GL	353	05.7135.BU	297	05.7215.74	312	05.7403.CU	328	05.7430.B1	317
05.7040.74	355	05.7135.CU	297	05.7215.B1	312	05.7403.GL	328	05.7430.BU	317
05.7040.B1	355	05.7135.GL	297	05.7215.BU	312	05.7404.74	330	05.7430.CU	317
05.7040.BU	355	05.7136.74	297	05.7215.CU	312	05.7404.B1	330	05.7430.GL	317
05.7040.CU	355	05.7136.B1	297	05.7215.GL	312	05.7404.BU	330	05.7431.74	317
05.7040.GL	355	05.7136.BU	297	05.7216.74	313	05.7404.CU	330	05.7431.B1	317
05.7041.74	355	05.7136.CU	297	05.7216.B1	313	05.7404.GL	330	05.7431.BU	317
05.7041.B1	355	05.7136.GL	297	05.7216.BU	313	05.7405.74	332	05.7431.CU	317
05.7041.BU	355	05.7140.74	299	05.7216.CU	313	05.7405.B1	332	05.7431.GL	317
05.7041.CU	355	05.7140.B1	299	05.7216.GL	313	05.7405.BU	332	05.7432.74	323
05.7041.GL	355	05.7140.BU	299	05.7217.74	314	05.7405.CU	332	05.7432.B1	323
05.7100.74	289	05.7140.CU	299	05.7217.B1	314	05.7405.GL	332	05.7432.BU	323
05.7100.B1	289	05.7140.GL	299	05.7217.BU	314	05.7406.74	321	05.7432.CU	323
05.7100.BU	289	05.7141.74	299	05.7217.CU	314	05.7406.B1	321	05.7432.GL	323
05.7100.CU	289	05.7141.B1	299	05.7217.GL	314	05.7406.BU	321	05.7433.74	323
05.7100.GL	289	05.7141.BU	299	05.7300.74	251	05.7406.CU	321	05.7433.B1	323
05.7101.74	290	05.7141.CU	299	05.7300.B1	251	05.7406.GL	321	05.7433.BU	323
05.7101.B1	290	05.7141.GL	299	05.7300.BU	251	05.7407.74	321	05.7433.CU	323
05.7101.BU	290	05.7150.74	300	05.7300.CU	251	05.7407.B1	321	05.7433.GL	323
05.7101.CU	290	05.7150.B1	300	05.7300.GL	251	05.7407.BU	321	05.7434.74	341
05.7101.GL	290	05.7150.BU	300	05.7301.74	252	05.7407.CU	321	05.7434.B1	341
05.7102.74	291	05.7150.CU	300	05.7301.B1	252	05.7407.GL	321	05.7434.BU	341
05.7102.B1	291	05.7150.GL	300	05.7301.BU	252	05.7408.74	325	05.7434.CU	341
05.7102.BU	291	05.7151.74	301	05.7301.CU	252	05.7408.B1	325	05.7434.GL	341
05.7102.CU	291	05.7151.B1	301	05.7301.GL	252	05.7408.BU	325	05.7435.74	341
05.7102.GL	291	05.7151.BU	301	05.7302.74	253	05.7408.CU	325	05.7435.B1	341
05.7105.74	289	05.7151.CU	301	05.7302.B1	253	05.7408.GL	325	05.7435.BU	341
05.7105.B1	289	05.7151.GL	301	05.7302.BU	253	05.7409.74	325	05.7435.CU	341
05.7105.BU	289	05.7152.74	302	05.7302.CU	253	05.7409.B1	325	05.7435.GL	341
05.7105.CU	289	05.7152.B1	302	05.7302.GL	253	05.7409.BU	325	05.7436.74	343
05.7105.GL	289	05.7152.BU	302	05.7305.74	251	05.7409.CU	325	05.7436.B1	343
05.7106.74	290	05.7152.CU	302	05.7305.B1	251	05.7409.GL	325	05.7436.BU	343
05.7106.B1	290	05.7152.GL	302	05.7305.BU	251	05.7410.74	259	05.7436.CU	343
05.7106.BU	290	05.7155.74	300	05.7305.CU	251	05.7410.B1	259	05.7436.GL	343
05.7106.CU	290	05.7155.B1	300	05.7305.GL	251	05.7410.BU	259	05.7437.74	343
05.7106.GL	290	05.7155.BU	300	05.7306.74	252	05.7410.CU	259	05.7437.B1	343
05.7107.74	291	05.7155.CU	300	05.7306.B1	252	05.7410.GL	259	05.7437.BU	343
05.7107.B1	291	05.7155.GL	300	05.7306.BU	252	05.7411.74	259	05.7437.CU	343
05.7107.BU	291	05.7156.74	301	05.7306.CU	252	05.7411.B1	259	05.7437.GL	343
05.7107.CU	291	05.7156.B1	301	05.7306.GL	252	05.7411.BU	259	05.7438.74	336
05.7107.GL	291	05.7156.BU	301	05.7307.74	253	05.7411.CU	259	05.7438.B1	336
05.7110.74	294	05.7156.CU	301	05.7307.B1	253	05.7411.GL	259	05.7438.BU	336
05.7110.B1	294	05.7156.GL	301	05.7307.BU	253	05.7412.74	265	05.7438.CU	336
05.7110.BU	294	05.7157.74	302	05.7307.CU	253	05.7412.B1	265	05.7438.GL	336
05.7110.CU	294	05.7157.B1	302	05.7307.GL	253	05.7412.BU	265	05.7439.74	336
05.7110.GL	294	05.7157.BU	302	05.7310.74	254	05.7412.CU	265	05.7439.B1	336
05.7111.74	295	05.7157.CU	302	05.7310.B1	254	05.7412.GL	265	05.7439.BU	336
05.7111.B1	295	05.7157.GL	302	05.7310.BU	254	05.7413.74	265	05.7439.CU	336
05.7111.BU	295	05.7200.74	309	05.7310.CU	254	05.7413.B1	265	05.7439.GL	336
05.7111.CU	295	05.7200.B1	309	05.7310.GL	254	05.7413.BU	265	05.7440.74	315
05.7111.GL	295	05.7200.BU	309	05.7311.74	255	05.7413.CU	265	05.7440.B1	315
05.7112.74	296	05.7200.CU	309	05.7311.B1	255	05.7413.GL	265	05.7440.BU	315
05.7112.B1	296	05.7200.GL	309	05.7311.BU	255	05.7414.74	272	05.7440.CU	315
05.7112.BU	296	05.7201.74	310	05.7311.CU	255	05.7414.B1	272	05.7440.GL	315
05.7112.CU	296	05.7201.B1	310	05.7311.GL	255	05.7414.BU	272	05.7441.74	315
05.7112.GL	296	05.7201.BU	310	05.7312.74	256	05.7414.CU	272	05.7441.B1	315
05.7115.74	294	05.7201.CU	310	05.7312.B1	256	05.7414.GL	272	05.7441.BU	315
05.7115.B1	294	05.7201.GL	310	05.7312.BU	256	05.7415.74	272	05.7441.CU	315
05.7115.BU	294	05.7202.74	311	05.7312.CU	256	05.7415.B1	272	05.7441.GL	315
05.7115.CU	294	05.7202.B1	311	05.7312.GL	256	05.7415.BU	272	05.7442.74	334
05.7115.GL	294	05.7202.BU	311	05.7315.74	254	05.7415.CU	272	05.7442.B1	334
05.7116.74	295	05.7202.CU	311	05.7315.B1	254	05.7415.GL	272	05.7442.BU	334
05.7116.B1	295	05.7202.GL	311	05.7315.BU	254	05.7416.74	278	05.7442.CU	334
05.7116.BU	295	05.7205.74	309	05.7315.CU	254	05.7416.B1	278	05.7442.GL	334
05.7116.CU	295	05.7205.B1	309	05.7315.GL	254	05.7416.BU	278	05.7443.74	334
05.7116.GL	295	05.7205.BU	309	05.7316.74	255	05.7416.CU	278	05.7443.B1	334
05.7117.74	296	05.7205.CU	309	05.7316.B1	255	05.7416.GL	278	05.7443.BU	334
05.7117.B1	296	05.7205.GL	309	05.7316.BU	255	05.7417.74	278	05.7443.CU	334
05.7117.BU	296	05.7206.74	310	05.7316.CU	255	05.7417.B1	278	05.7443.GL	334
05.7117.CU	296	05.7206.B1	310	05.7316.GL	255	05.7417.BU	278	05.7444.74	338
05.7117.GL	296	05.7206.BU	310	05.7317.74	256	05.7417.CU	278	05.7444.B1	338
05.7120.74	298	05.7206.CU	310	05.7317.B1	256	05.7417.GL	278	05.7444.BU	338
05.7120.B1	298	05.7206.GL	310	05.7317.BU	256	05.7420.74	283	05.7444.CU	338
05.7120.BU	298	05.7207.74	311	05.7317.CU	256	05.7420.B1	283	05.7444.GL	338
05.7120.CU	298	05.7207.B1	311	05.7317.GL	256	05.7420.BU	283	05.7445.74	338
05.7120.GL	298	05.7207.BU	311	05.7400.74	328	05.7420.CU	283	05.7445.B1	338

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05.7445.BU	338	06.0097.00	170	06.1622.14A	92	06.2511.14	64	06.5061.14	116
05.7445.CU	338	06.0098.00	170	06.1622.40A	92	06.2511.18	64	06.5061.40	116
05.7445.GL	338	06.0157.00	119	06.1623.14A	92	06.2511.40	64	06.5062.05	116
05.7446.74	319	06.0173.14	13	06.1623.40A	92	06.2511.CZ	64	06.5062.14	116
05.7446.B1	319	06.0301.00	151	06.1624.14	92	06.2540.14	56	06.5062.40	116
05.7446.BU	319	06.0303.00	151	06.1624.40	92	06.2540.18	56	06.5063.05	116
05.7446.CU	319	06.1003.00	624	06.1626.14	93	06.2540.40	56	06.5063.14	116
05.7446.GL	319	06.1005.00	642	06.1626.40	93	06.2540.CZ	56	06.5063.40	116
05.7447.74	319	06.1011.00	611	06.1627.14	93	06.2541.14	56	06.5064.14	116
05.7447.B1	319	06.1012.00	642	06.1627.40	93	06.2541.18	56	06.5064.40	116
05.7447.BU	319	06.1013.00	642	06.1628.14	93	06.2541.40	56	06.5070.05	118
05.7447.CU	319	06.1014.00	643	06.1628.40	93	06.2541.CZ	56	06.5070.14	118
05.7447.GL	319	06.1016.00	642	06.1629.14	93	06.2542.14	56	06.5070.40	118
05.7450.74	257	06.1019.00	642	06.1629.40	93	06.2542.18	56	06.5071.05	118
05.7450.B1	257	06.1020.00	625	06.1630.14	93	06.2542.40	56	06.5071.14	118
05.7450.BU	257	06.1022.00	643	06.1630.40	93	06.2542.CZ	56	06.5071.40	118
05.7450.CU	257	06.1023.00	604	06.1631.14	93	06.2543.14	56	06.5072.05	118
05.7450.GL	257	06.1024.00	605	06.1631.40	93	06.2543.18	56	06.5072.14	118
05.7451.74	257	06.1025.00	604	06.1632.14	93	06.2543.40	56	06.5072.40	118
05.7451.B1	257	06.1026.00	604	06.1632.40	93	06.2543.CZ	56	06.5073.05	118
05.7451.BU	257	06.1027.00	604	06.1633.14	93	06.2544.14	56	06.5073.14	118
05.7451.CU	257	06.1028.00	605	06.1633.40	93	06.2544.18	56	06.5073.40	118
05.7451.GL	257	06.1032.00	245	06.1634.14	93	06.2544.40	56	06.5074.14	118
05.7452.74	261	06.1033.00	245	06.1634.40	93	06.2544.CZ	56	06.5074.40	118
05.7452.B1	261	06.1034.00	245	06.1635.14	93	06.2545.14	57	06.5100.14	16
05.7452.BU	261	06.1049.00	642	06.1635.40	93	06.2545.18	57	06.5100.40	16
05.7452.CU	261	06.1100.00	180	06.1638.14	90	06.2545.40	57	06.5101.14	16
05.7452.GL	261	06.1100.40	180	06.1639.14	90	06.2545.CZ	57	06.5101.40	16
05.7453.74	261	06.1105.00	180	06.1640.14	90	06.2546.14	57	06.5110.14	16
05.7453.B1	261	06.1105.40	180	06.1641.14	90	06.2546.18	57	06.5110.40	16
05.7453.BU	261	06.1110.00	180	06.1642.14	90	06.2546.40	57	06.5111.14	16
05.7453.CU	261	06.1110.40	180	06.1643.14	90	06.2546.CZ	57	06.5111.40	16
05.7453.GL	261	06.1115.00	180	06.1644.14	90	06.5008.14	115	06.5112.14	16
05.7454.74	263	06.1115.40	180	06.1645.14	90	06.5010.05	116	06.5112.40	16
05.7454.B1	263	06.1120.00	180	06.1646.14	90	06.5010.14	116	06.5113.14	16
05.7454.BU	263	06.1120.40	180	06.1647.14	90	06.5010.40	116	06.5113.40	16
05.7454.CU	263	06.1125.00	180	06.1648.14	90	06.5011.05	116	06.5115.14	17
05.7454.GL	263	06.1125.40	180	06.1650.14	90	06.5011.14	116	06.5115.40	17
05.7455.74	263	06.1130.00	180	06.1651.14	90	06.5011.40	116	06.5116.14	17
05.7455.B1	263	06.1130.40	180	06.1656.14	93	06.5012.05	116	06.5116.40	17
05.7455.BU	263	06.1131.00	180	06.1656.40	93	06.5012.14	116	06.5117.14	17
05.7455.CU	263	06.1131.40	180	06.1657.14	93	06.5012.40	116	06.5117.40	17
05.7455.GL	263	06.1132.00	180	06.1657.40	93	06.5013.05	116	06.5118.14	17
05.7456.74	267	06.1132.40	180	06.1740.14	93	06.5013.14	116	06.5118.40	17
05.7456.B1	267	06.1133.00	180	06.1741.14	93	06.5013.40	116	06.5120.14	17
05.7456.BU	267	06.1133.40	180	06.1742.14	93	06.5014.14	116	06.5120.40	17
05.7456.CU	267	06.1134.00	180	06.1800.14	136	06.5014.40	116	06.5121.14	17
05.7456.GL	267	06.1134.40	180	06.1801.14	136	06.5015.05	116	06.5121.40	17
05.7457.74	267	06.1135.00	180	06.1802.14	136	06.5015.14	116	06.5122.14	17
05.7457.B1	267	06.1135.40	180	06.1803.14	136	06.5015.40	116	06.5122.40	17
05.7457.BU	267	06.1140.00	180	06.1804.14	136	06.5016.05	116	06.5123.14	17
05.7457.CU	267	06.1141.00B	181	06.1805.14	136	06.5016.14	116	06.5123.40	17
05.7457.GL	267	06.1142.00B	181	06.1806.14	136	06.5016.40	116	06.5125.14	17
05.7458.74	270	06.1600.14	91	06.1807.14	136	06.5017.05	116	06.5125.40	17
05.7458.B1	270	06.1600.40	91	06.1850.14	150	06.5017.14	116	06.5126.14	17
05.7458.BU	270	06.1601.14	91	06.1851.14	150	06.5017.40	116	06.5126.40	17
05.7458.CU	270	06.1601.40	91	06.1852.14	150	06.5020.05	118	06.5127.14	17
05.7458.GL	270	06.1602.14	91	06.1853.14	150	06.5020.14	118	06.5127.40	17
05.7459.74	270	06.1602.40	91	06.1860.14	151	06.5020.40	118	06.5128.14	17
05.7459.B1	270	06.1603.14	91	06.1860.40	151	06.5021.05	118	06.5128.40	17
05.7459.BU	270	06.1603.40	91	06.1861.14	151	06.5021.14	118	06.5135.14A	16
05.7459.CU	270	06.1604.14	91	06.1861.40	151	06.5021.40	118	06.5135.40A	16
05.7459.GL	270	06.1604.40	91	06.1862.14	151	06.5022.05	118	06.5140.14	16
05.7460.74	274	06.1605.14	91	06.1862.40	151	06.5022.14	118	06.5140.40	16
05.7460.B1	274	06.1605.40	91	06.1863.14	151	06.5022.40	118	06.5141.14	16
05.7460.BU	274	06.1606.14	91	06.1863.40	151	06.5023.05	118	06.5141.40	16
05.7460.CU	274	06.1606.40	91	06.2500.06	56	06.5023.14	118	06.5142.14A	16
05.7460.GL	274	06.1607.14	91	06.2500.14	56	06.5023.40	118	06.5142.40A	16
05.7461.74	274	06.1607.40	91	06.2500.18	56	06.5024.14	118	06.5150.14	17
05.7461.B1	274	06.1608.14	91	06.2500.40	56	06.5024.40	118	06.5150.40	17
05.7461.BU	274	06.1608.40	91	06.2500.CZ	56	06.5025.05	119	06.5151.14	17
05.7461.CU	274	06.1609.14	91	06.2501.06	56	06.5025.14	119	06.5151.40	17
05.7461.GL	274	06.1609.40	91	06.2501.14	56	06.5025.40	119	06.5152.14	17
05.7462.74	276	06.1610.14	91	06.2501.18	56	06.5026.05	119	06.5152.40	17
05.7462.B1	276	06.1610.40	91	06.2501.40	56	06.5026.14	119	06.5153.14	17
05.7462.BU	276	06.1612.14	91	06.2501.CZ	56	06.5026.40	119	06.5153.40	17
05.7462.CU	276	06.1612.40	91	06.2502.06	56	06.5040.14	114	06.5155.14	17
05.7462.GL	276	06.1614.14A	92	06.2502.14	56	06.5041.14	114	06.5155.40	17
05.7463.74	276	06.1614.40A	92	06.2502.18	56	06.5042.14	114	06.5156.14	17
05.7463.B1	276	06.1615.14A	92	06.2502.40	56	06.5043.14	114	06.5156.40	17
05.7463.BU	276	06.1615.40A	92	06.2502.CZ	56	06.5044.14	114	06.5157.14	17
05.7463.CU	276	06.1616.14A	92	06.2506.14	56	06.5045.14	114	06.5157.40	17
05.7463.GL	276	06.1616.40A	92	06.2506.40	56	06.5046.14	114	06.5158.14	17
05.7464.74	280	06.1617.14A	92	06.2509.14	57	06.5047.14	114	06.5158.40	17
05.7464.B1	280	06.1617.40A	92	06.2509.18	57	06.5050.14	114	06.5300.14	48
05.7464.BU	280	06.1618.14A	92	06.2509.40	57	06.5051.14	114	06.5300.1A	48
05.7464.CU	280	06.1618.40A	92	06.2509.CZ	57	06.5052.14	114	06.5300.40	48
05.7464.GL	280	06.1619.14A	92	06.2510.06	64	06.5053.14	114	06.5300.CZ	48
05.7465.74	280	06.1619.40A	92	06.2510.14	64	06.5054.14	114	06.5301.14	48
05.7465.B1	280	06.1620.14A	92	06.2510.18	64	06.5060.05	116	06.5301.1A	48
05.7465.BU	280	06.1620.40A	92	06.2510.40	64	06.5060.14	116	06.5301.40	48
05.7465.CU	280	06.1621.14A	92	06.2510.CZ	64	06.5060.40	116	06.5301.CZ	48
05.7465.GL	280	06.1621.40A	92	06.2511.06	64	06.5061.05	116	06.5302.14	48

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06.5302.1A	48	06.6033.40	75	08.0505.00	430	08.8027.08.UV	443	08.8240.00B	375
06.5302.40	48	06.6034.14	75	08.0506.14	431	08.8027.14.AC	443	08.8242.14	395
06.5302.CZ	48	06.6034.40	75	08.0506.40	431	08.8027.14.AM	443	08.8243.00	375
06.5303.14	48	06.6035.14	75	08.0506.CE	431	08.8027.14.AO	443	08.8243.00.1U	375
06.5303.1A	48	06.6036.14	75	08.0506.TK	431	08.8027.14.CL	443	08.8243.00.5U	375
06.5303.40	48	06.6036.40	75	08.0507.14	431	08.8027.14.DL	443	08.8246.00	573
06.5303.CZ	48	07.9000.01.E3	572	08.0507.40	431	08.8027.14.HL	443	08.8250.00	375
06.5304.14	49	07.9000.04.E3	572	08.0507.CE	431	08.8027.14.IR	443	08.8251.00	356
06.5304.1A	49	07.9000.18.E3	572	08.0507.TK	431	08.8027.14.ND	443	08.8256.00	573
06.5304.40	49	07.9000.72.E3	572	08.0510.00	221	08.8027.14.RO	443	08.8261.00	569
06.5304.CZ	49	07.9001.01.E3	572	08.0511.00	221	08.8027.14.UV	443	08.8270.00	641
06.5305.14	49	07.9001.04.E3	572	08.0512.00	221	08.8027.20.AC	443	08.8270.14	447
06.5305.1A	49	07.9001.18.E3	572	08.0513.00	221	08.8027.20.AM	443	08.8294.00A	604
06.5305.40	49	07.9001.72.E3	572	08.0515.00	221	08.8027.20.AO	443	08.8296.00A	604
06.5305.CZ	49	07.9004.01	573	08.0516.00	221	08.8027.20.CL	443	08.8297.00	643
06.5306.14	49	07.9004.04	573	08.0517.00	221	08.8027.20.DL	443	08.8298.00	643
06.5306.1A	49	07.9004.18	573	08.0518.00	221	08.8027.20.HL	443	08.8306.00	603
06.5306.40	49	07.9004.72	573	08.0520.02	542	08.8027.20.IR	443	08.8307.00	603
06.5306.CZ	49	07.9005.01	573	08.0520.14	542	08.8027.20.ND	443	08.8308.00	603
06.5310.14	48	07.9005.04	573	08.0520.40	542	08.8027.20.RO	443	08.8314.00	603
06.5310.1A	48	07.9005.18	573	08.0521.02	542	08.8027.20.UV	443	08.8315.00	603
06.5310.40	48	07.9005.72	573	08.0521.14	542	08.8029.08	443	08.8316.00	603
06.5310.CZ	48	07.9006.01C	572	08.0521.40	542	08.8029.14	443	08.8320.00	603
06.5311.14	48	07.9006.04C	572	08.0522.02	542	08.8029.20	443	08.8321.00	603
06.5311.1A	48	07.9006.18C	572	08.0522.14	542	08.8030.08	443	08.8322.00	603
06.5311.40	48	07.9006.72C	572	08.0522.40	542	08.8030.14	443	08.8330.00	603
06.5311.CZ	48	07.9007.01B	572	08.0523.02	542	08.8030.20	443	08.8356.00	603
06.5312.14	49	07.9007.04B	572	08.0523.14	542	08.8034.14	537	08.8359.00	394
06.5312.1A	49	07.9007.18B	572	08.0523.40	542	08.8036.14	537	08.8363.14	177
06.5312.40	49	07.9007.72B	572	08.0524.02	543	08.8041.68	407	08.8363.30	177
06.5312.CZ	49	07.9630.18	553	08.0524.14	543	08.8042.64.OD	407	08.8377.14	395
06.5313.14	49	07.9630.70	552	08.0524.40	543	08.8042.65.OD	407	08.8380.14	177
06.5313.1A	49	07.9630.76	553	08.0525.02	543	08.8042.66.OD	407	08.8380.30	177
06.5313.40	49	07.9630.7C	553	08.0525.14	543	08.8042.67.OD	407	08.8410.00	479
06.5313.CZ	49	07.9630.AN	552	08.0525.40	543	08.8042.68	407	08.8411.00	479
06.5314.14	48	07.9630.AP	552	08.0526.00	521	08.8042.69	407	08.8412.14	375
06.5314.1A	48	07.9630.CE	553	08.0526.40	154	08.8042.98.OD	407	08.8413.00	394
06.5314.40	48	07.9641.14A	552	08.0550.00	430	08.8042.CL	407	08.8414.00	394
06.5314.CZ	48	07.9641.14ADA	552	08.0551.00	430	08.8042.DL	407	08.8415.00	394
06.5315.14	49	07.9641.14ADP	552	08.0555.00	430	08.8042.ND	407	08.8418.68A	409
06.5315.1A	49	07.9642.14A	552	08.0556.14	431	08.8049.14	395	08.8419.14A	409
06.5315.40	49	07.9642.14ADA	552	08.0556.40	431	08.8080.00	442	08.8420.00	356
06.5315.CZ	49	07.9642.14ADP	552	08.0556.CE	431	08.8081.00	442	08.8421.00	356
06.5400.14	31	08.0031.00	165	08.0556.TK	431	08.8084.00	442	08.8422.00	565
06.5400.40	31	08.0031.00.DA	165	08.0557.14	431	08.8085.00	442	08.8423.00	567
06.5401.14	31	08.0032.00	16	08.0557.40	431	08.8118.68	395	08.8427.14	99
06.5401.40	31	08.0033.00	16	08.0557.CE	431	08.8119.00	394	08.8428.00	521
06.5402.14	31	08.0050.00	409	08.0557.TK	431	08.8137.00	394	08.8429.00	521
06.5402.40	31	08.0052.90	221	08.0580.00	230	08.8149.02	400	08.8431.00	521
06.5403.14	31	08.0059.90	221	08.0581.00	230	08.8149.14	400	08.8432.00	521
06.5403.40	31	08.0109.00	165	08.0582.00	230	08.8149.30	400	08.8439.14	136
06.5404.14	31	08.0110.00	165	08.0583.00	230	08.8152.00	400	08.8450.00	395
06.5404.40	31	08.0111.00	165	08.0584.00	230	08.8156.00	356	08.8451.00	395
06.5405.14	31	08.0112.00	165	08.0586.00	230	08.8160.64.OD	501	08.8452.00	395
06.5405.40	31	08.0113.00	165	08.0600.14	117	08.8160.65.OD	501	08.8453.14	395
06.5410.14	31	08.0114.00	165	08.0600.40	117	08.8160.66.OD	501	08.8453.40	395
06.5410.40	31	08.0132.00	356	08.0611.14	116	08.8160.67.OD	501	08.8479.00	356
06.5411.14	31	08.0160.14	236	08.0612.14	119	08.8160.68	501	08.8491.14	356
06.5411.40	31	08.0160.40	236	08.0613.14A	131	08.8160.69	501	08.8491.30	356
06.5412.14	31	08.0161.14	236	08.0614.14	119	08.8160.98.OD	501	08.8491.BU	356
06.5412.40	31	08.0161.40	236	08.0615.00	117	08.8160.CL	501	08.8491.GL	356
06.5413.14	31	08.0164.14	236	08.0616.00	117	08.8160.DL	501	08.8495.14	479
06.5413.40	31	08.0164.40	236	08.0626.00	119	08.8160.ND	501	08.8501.64.OD	507
06.5414.14	31	08.0165.14	236	08.0627.00	119	08.8163.68	501	08.8501.65.OD	507
06.5414.40	31	08.0165.40	236	08.0630.14	57	08.8166.14	501	08.8501.66.OD	507
06.5415.14	31	08.0166.00	236	08.0630.40	57	08.8169.14	501	08.8501.67.OD	507
06.5415.40	31	08.0167.00	236	08.0631.14	119	08.8175.68	501	08.8501.69	507
06.5420.14	31	08.0175.14	457	08.0631.40	119	08.8180.08	443	08.8501.CL	507
06.5420.40	31	08.0176.14	457	08.0632.14	119	08.8180.14	443	08.8501.DL	507
06.5421.14	31	08.0177.14	457	08.0632.40	119	08.8180.20	443	08.8501.ND	507
06.5421.40	31	08.0178.14	457	08.0640.02	542	08.8182.14	177	08.8502.14	507
06.5430.14	31	08.0180.00	13	08.0640.14	542	08.8186.14	501	08.8503.64.OD	443
06.5430.40	31	08.0181.00	13	08.0640.40	542	08.8187.00	435	08.8503.65.OD	443
06.6000.14	74	08.0182.00	13	08.0641.02	542	08.8188.00	435	08.8503.66.OD	443
06.6001.14	74	08.0190.14	84	08.0641.14	542	08.8191.00	435	08.8503.67.OD	443
06.6002.14	74	08.0191.14	84	08.0641.40	542	08.8192.00	435	08.8503.69	443
06.6003.14	74	08.0192.00	236	08.0642.02	543	08.8196.14	537	08.8503.CL	443
06.6004.14	74	08.0193.00	236	08.0642.14	543	08.8222.30A	375	08.8503.DL	443
06.6010.14	75	08.0194.00	13	08.0642.40	543	08.8229.30A	375	08.8503.ND	443
06.6010.40	75	08.0195.00	13	08.3309.14	177	08.8230.64.OD	177	08.8512.00C	604
06.6011.14	75	08.0205.00	517	08.8012.00	573	08.8230.65.OD	177	08.8513.00C	604
06.6011.40	75	08.0206.00	517	08.8025.08	443	08.8230.66.OD	177	08.8523.00	442
06.6012.14	75	08.0207.00	517	08.8025.14	443	08.8230.67.OD	177	08.8524.00	442
06.6012.40	75	08.0208.00	517	08.8025.20	443	08.8230.69	177	08.8525.00	442
06.6013.14	75	08.0209.DR	517	08.8027.08.AC	443	08.8230.98.OD	177	08.8526.00	442
06.6013.40	75	08.0209.DY	517	08.8027.08.AM	443	08.8230.CL	177	08.8572.14C	241
06.6014.14	75	08.0210.00	517	08.8027.08.AO	443	08.8230.DL	177	08.8572.14C1V	241
06.6014.40	75	08.0211.DR	517	08.8027.08.AL	443	08.8230.ND	177	08.8572.14CDA	241
06.6030.14	74	08.0211.DY	517	08.8027.08.CL	443	08.8232.02	501	08.8573.14C	241
06.6031.14	75	08.0212.DR	517	08.8027.08.HL	443	08.8232.14	501	08.8573.14C1V	241
06.6031.40	75	08.0212.DY	517	08.8027.08.IR	443	08.8232.30	501	08.8573.14CDA	241
06.6032.14	74	08.0500.00	430	08.8027.08.ND	443	08.8238.14	537	08.8590.06A	608
06.6033.14	75	08.0501.00	430	08.8027.08.RO	443	08.8239.00B	375	08.8590.40A	608

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Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page	Ref.	Page
08.8590.AAA	608	08.9050.NS	165	09.0365.30	175	09.2125.14	555	09.2427.14B	499
08.8591.06A	608	08.9051.02	165	09.0366.14	175	09.2125.40	555	09.2427.30B	499
08.8591.40A	608	08.9051.40	165	09.0366.30	175	09.2127.05	555	09.2430.02C	497
08.8591.AAA	608	08.9051.NS	165	09.0367.14	175	09.2127.14	555	09.2430.14C	497
08.8595.06A	608	08.9052.02	165	09.0367.30	175	09.2127.40	555	09.2430.30C	497
08.8595.40A	608	08.9052.40	165	09.1600.02	400	09.2150.05A	506	09.2431.02C	497
08.8595.AAA	608	08.9052.NS	165	09.1600.14	400	09.2150.14A	506	09.2431.14C	497
08.8596.06A	608	08.9053.02	165	09.1600.30	400	09.2150.30A	506	09.2431.30C	497
08.8596.40A	608	08.9053.40	165	09.1630.02C	398	09.2151.05A	506	09.2432.02C	497
08.8596.AAA	608	08.9053.NS	165	09.1630.02C1V	398	09.2151.14A	506	09.2432.14C	497
08.8634.00	119	08.9054.02	165	09.1630.02CDA	398	09.2151.30A	506	09.2432.30C	497
08.8662.14C	241	08.9054.40	165	09.1630.14C	398	09.2152.05A	506	09.2435.02B	499
08.8662.14C1V	241	08.9054.NS	165	09.1630.14C1V	398	09.2152.14A	506	09.2435.14B	499
08.8662.14CDA	241	08.9055.02	165	09.1630.14CDA	398	09.2152.30A	506	09.2435.30B	499
08.8663.14C	241	08.9055.40	165	09.1630.30C	398	09.2155.05A	507	09.2436.02B	499
08.8663.14C1V	241	08.9055.NS	165	09.1630.30C1V	398	09.2155.14A	507	09.2436.14B	499
08.8663.14CDA	241	08.9056.02	165	09.1630.30CDA	398	09.2155.30A	507	09.2436.30B	499
08.8701.14	174	08.9056.40	165	09.1631.02C	398	09.2156.05A	507	09.2437.02B	499
08.8701.30	174	08.9056.NS	165	09.1631.02C1V	398	09.2156.14A	507	09.2437.14B	499
08.8702.14	174	08.9057.02	165	09.1631.02CDA	398	09.2156.30A	507	09.2437.30B	499
08.8702.30	174	08.9057.40	165	09.1631.14C	398	09.2157.05A	507	09.2450.02C	494
08.8705.14	174	08.9057.NS	165	09.1631.14C1V	398	09.2157.14A	507	09.2450.14C	494
08.8705.30	174	08.9058.02	165	09.1631.14CDA	398	09.2157.30A	507	09.2450.30C	494
08.8706.14	174	08.9058.40	165	09.1631.30C	398	09.2160.05A	506	09.2451.02C	494
08.8706.30	174	08.9058.NS	165	09.1631.30C1V	398	09.2160.14A	506	09.2451.14C	494
08.8707.14	174	08.9070.14	150	09.1631.30CDA	398	09.2160.30A	506	09.2451.30C	494
08.8707.30	174	08.9071.14	151	09.1632.02C	398	09.2161.05A	506	09.2452.02C	494
08.8708.14	174	08.9071.40	151	09.1632.02C1V	398	09.2161.14A	506	09.2452.14C	494
08.8708.30	174	08.9074.14	151	09.1632.02CDA	398	09.2161.30A	506	09.2452.30C	494
08.8709.14	174	08.9102.00	427	09.1632.14C	398	09.2162.05A	506	09.2455.02B	496
08.8709.30	174	08.9103.00	427	09.1632.14C1V	398	09.2162.14A	506	09.2455.14B	496
08.8710.14	174	08.9104.00	356	09.1632.14CDA	398	09.2162.30A	506	09.2455.30B	496
08.8710.30	174	08.9105.00	427	09.1632.30C	398	09.2165.05A	507	09.2456.02B	496
08.8711.00	174	08.9107.00	521	09.1632.30C1V	398	09.2165.14A	507	09.2456.14B	496
08.8720.14	174	08.9108.00	521	09.1632.30CDA	398	09.2165.30A	507	09.2456.30B	496
08.8720.30	174	08.9109.00	521	09.1635.02C	398	09.2166.05A	507	09.2457.02B	496
08.8721.14	174	08.9110.00	521	09.1635.02C1V	398	09.2166.14A	507	09.2457.14B	496
08.8721.30	174	08.9111.00	521	09.1635.02CDA	398	09.2166.30A	507	09.2457.30B	496
08.8759.00	100	08.9114.00	356	09.1635.14C	398	09.2167.05A	507	09.2460.02C	494
08.8760.00	100	09.0045.29B	557	09.1635.14C1V	398	09.2167.14A	507	09.2460.14C	494
08.8761.00	100	09.0045.30B	557	09.1635.14CDA	398	09.2167.30A	507	09.2460.30C	494
08.8763.14	488	09.0045.BZB	557	09.1635.30C	398	09.2400.02C	493	09.2461.02C	494
08.8766.64.OD	488	09.0100.29B	557	09.1635.30C1V	398	09.2400.14C	493	09.2461.14C	494
08.8766.65.OD	488	09.0100.30B	557	09.1635.30CDA	398	09.2400.30C	493	09.2461.30C	494
08.8766.66.OD	488	09.0100.BZB	557	09.1636.02C	398	09.2401.02C	493	09.2462.02C	494
08.8766.67.OD	488	09.0101.29B	557	09.1636.02C1V	398	09.2401.14C	493	09.2462.14C	494
08.8768.14	488	09.0101.30B	557	09.1636.02CDA	398	09.2401.30C	493	09.2462.30C	494
08.8775.40	553	09.0101.BZB	557	09.1636.14C	398	09.2402.02C	493	09.2465.02B	496
08.8782.30	462	09.0102.29B	557	09.1636.14C1V	398	09.2402.14C	493	09.2465.14B	496
08.8783.06	462	09.0102.30B	557	09.1636.14CDA	398	09.2402.30C	493	09.2465.30B	496
08.8783.14	462	09.0102.BZB	557	09.1636.30C	398	09.2405.02B	495	09.2466.02B	496
08.8783.30	462	09.0103.29B	557	09.1636.30C1V	398	09.2405.14B	495	09.2466.14B	496
08.8865.14A	90	09.0103.30B	557	09.1636.30CDA	398	09.2405.30B	495	09.2466.30B	496
08.8866.14	150	09.0103.BZB	557	09.1637.02C	398	09.2406.02B	495	09.2467.02B	496
08.8867.14	150	09.0104.29A	557	09.1637.02C1V	398	09.2406.14B	495	09.2467.14B	496
08.8883.14A	119	09.0104.30A	557	09.1637.02CDA	398	09.2406.30B	495	09.2467.30B	496
08.8883.40A	119	09.0104.BZA	557	09.1637.14C	398	09.2407.02B	495	09.2470.02C	498
08.8886.14	94	09.0120.29B	557	09.1637.14C1V	398	09.2407.14B	495	09.2470.14C	498
08.8886.14.DA	94	09.0120.30B	557	09.1637.14CDA	398	09.2407.30B	495	09.2470.30C	498
08.8886.40	94	09.0120.BZB	557	09.1637.30C	398	09.2410.02C	493	09.2471.02C	498
08.8886.40.DA	94	09.0203.14	176	09.1637.30C1V	398	09.2410.14C	493	09.2471.14C	498
08.8887.14A	93	09.0203.30	176	09.1637.30CDA	398	09.2410.30C	493	09.2471.30C	498
08.8887.40A	93	09.0211.14A	175	09.1640.02B	399	09.2411.02C	493	09.2472.02C	498
08.8889.14	119	09.0211.30A	175	09.1640.14B	399	09.2411.14C	493	09.2472.14C	498
08.8889.40	119	09.0212.14A	175	09.1640.30B	399	09.2411.30C	493	09.2472.30C	498
08.8914.00	180	09.0212.30A	175	09.1641.02B	399	09.2412.02C	493	09.2475.02B	500
08.8914.40	180	09.0213.14A	175	09.1641.14B	399	09.2412.14C	493	09.2475.14B	500
08.8915.00	181	09.0213.30A	175	09.1641.30B	399	09.2412.30C	493	09.2475.30B	500
08.8930.68	407	09.0217.14A	175	09.1642.02B	399	09.2415.02B	495	09.2476.02B	500
08.8931.68	407	09.0217.30A	175	09.1642.14B	399	09.2415.14B	495	09.2476.14B	500
08.8932.64.OD	407	09.0218.14A	175	09.1642.30B	399	09.2415.30B	495	09.2476.30B	500
08.8932.65.OD	407	09.0218.30A	175	09.1645.02B	399	09.2416.02B	495	09.2477.02B	500
08.8932.66.OD	407	09.0219.14A	175	09.1645.14B	399	09.2416.14B	495	09.2477.14B	500
08.8932.67.OD	407	09.0219.30A	175	09.1645.30B	399	09.2416.30B	495	09.2477.30B	500
08.8932.69	407	09.0220.14A	176	09.1646.02B	399	09.2417.02B	495	09.2480.02C	498
08.8932.98.OD	407	09.0220.30A	176	09.1646.14B	399	09.2417.14B	495	09.2480.14C	498
08.8932.CL	407	09.0221.14A	176	09.1646.30B	399	09.2417.30B	495	09.2480.30C	498
08.8932.DL	407	09.0221.30A	176	09.1647.02B	399	09.2420.02C	497	09.2481.02C	498
08.8932.ND	407	09.0230.14	176	09.1647.14B	399	09.2420.14C	497	09.2481.14C	498
08.8933.68	407	09.0230.30	176	09.1647.30B	399	09.2420.30C	497	09.2481.30C	498
08.8974.00	361	09.0231.14	176	09.2110.05A	555	09.2421.02C	497	09.2482.02C	498
08.8975.00	361	09.0231.30	176	09.2110.05ADA	555	09.2421.14C	497	09.2482.14C	498
08.8976.14	361	09.0232.14	176	09.2110.14A	555	09.2421.30C	497	09.2482.30C	498
08.8977.00	361	09.0232.30	176	09.2110.14ADA	555	09.2422.02C	497	09.2485.02B	500
08.8978.00	361	09.0233.14	176	09.2110.40A	555	09.2422.14C	497	09.2485.14B	500
08.8979.00	361	09.0233.30	176	09.2110.40ADA	555	09.2422.30C	497	09.2485.30B	500
08.8980.14	361	09.0360.14	175	09.2112.05A	555	09.2425.02B	499	09.2486.02B	500
08.8994.14	382	09.0360.30	175	09.2112.05ADA	555	09.2425.14B	499	09.2486.14B	500
08.8994.30	382	09.0361.14	175	09.2112.14A	555	09.2425.30B	499	09.2486.30B	500
08.8995.14	382	09.0361.30	175	09.2112.14ADA	555	09.2426.02B	499	09.2487.02B	500
08.8995.30	382	09.0362.14	175	09.2112.40A	555	09.2426.14B	499	09.2487.14B	500
08.9050.02	165	09.0362.30	175	09.2112.40ADA	555	09.2426.30B	499	09.2487.30B	500
08.9050.40	165	09.0365.14	175	09.2125.05	555	09.2427.02B	499	09.2570.02A	492

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09.2570.14A	492	09.2884.30	487	09.2960.30.DA	486	09.3706.30B	461	09.3830.18	62
09.2570.30A	492	09.2884.30.DA	487	09.2961.14	486	09.3707.06	461	09.3830.1A	46
09.2571.02A	492	09.2885.14	484	09.2961.14.DA	486	09.3707.14	461	09.3830.40	62
09.2571.14A	492	09.2885.14.DA	484	09.2961.30	486	09.3707.30	461	09.3830.CZ	62
09.2571.30A	492	09.2885.30	484	09.2961.30.DA	486	09.3708.06A	461	09.3831.06	62
09.2575.02A	492	09.2885.30.DA	484	09.2962.14	487	09.3708.14A	461	09.3831.14	62
09.2575.14A	492	09.2886.14	484	09.2962.14.DA	487	09.3708.30A	461	09.3831.18	62
09.2575.30A	492	09.2886.14.DA	484	09.2962.30	487	09.3710.06B	462	09.3831.1A	46
09.2576.02A	492	09.2886.30	484	09.2962.30.DA	487	09.3710.14B	462	09.3831.40	62
09.2576.14A	492	09.2886.30.DA	484	09.2963.14	487	09.3710.30B	462	09.3831.CZ	62
09.2576.30A	492	09.2887.14	484	09.2963.14.DA	487	09.3711.06B	462	09.3832.06	62
09.2580.02A	496	09.2887.14.DA	484	09.2963.30	487	09.3711.14B	462	09.3832.14	62
09.2580.14A	496	09.2887.30	484	09.2963.30.DA	487	09.3711.30B	462	09.3832.18	62
09.2580.30A	496	09.2887.30.DA	484	09.2964.14	487	09.3750.06	460	09.3832.1A	46
09.2581.02A	496	09.2888.14	482	09.2964.14.DA	487	09.3750.14	460	09.3832.40	62
09.2581.14A	496	09.2888.14.DA	482	09.2964.30	487	09.3750.30	460	09.3832.CZ	62
09.2581.30A	496	09.2888.30	482	09.2964.30.DA	487	09.3751.06	460	09.3833.06	62
09.2585.02A	497	09.2888.30.DA	482	09.2991.14	484	09.3751.14	460	09.3833.14	62
09.2585.14A	497	09.2889.14	482	09.2991.14.DA	484	09.3751.30	460	09.3833.18	62
09.2585.30A	497	09.2889.14.DA	482	09.2991.30	484	09.3755.06	460	09.3833.1A	46
09.2586.02A	497	09.2889.30	482	09.2991.30.DA	484	09.3755.14	460	09.3833.40	62
09.2586.14A	497	09.2889.30.DA	482	09.2992.14	484	09.3755.30	460	09.3833.CZ	62
09.2586.30A	497	09.2890.14	482	09.2992.14.DA	484	09.3756.06	460	09.3840.06	63
09.2865.14	487	09.2890.14.DA	482	09.2992.30	484	09.3756.14	460	09.3840.14	63
09.2865.14.DA	487	09.2890.30	482	09.2992.30.DA	484	09.3756.30	460	09.3840.18	63
09.2865.30	487	09.2890.30.DA	482	09.2993.14	484	09.3780.06	460	09.3840.1A	46
09.2865.30.DA	487	09.2891.14	485	09.2993.14.DA	484	09.3780.14	460	09.3840.40	63
09.2866.14	487	09.2891.14.DA	485	09.2993.30	484	09.3780.30	460	09.3840.CZ	63
09.2866.14.DA	487	09.2891.30	485	09.2993.30.DA	484	09.3781.06	460	09.3841.06	63
09.2866.30	487	09.2891.30.DA	485	09.2994.14	485	09.3781.14	460	09.3841.14	63
09.2866.30.DA	487	09.2892.14	485	09.2994.14.DA	485	09.3781.30	460	09.3841.18	63
09.2867.14	487	09.2892.14.DA	485	09.2994.30	485	09.3800.06	58	09.3841.1A	46
09.2867.14.DA	487	09.2892.30	485	09.2994.30.DA	485	09.3800.14	58	09.3841.40	63
09.2867.30	487	09.2892.30.DA	485	09.2995.14	485	09.3800.18	58	09.3841.CZ	63
09.2867.30.DA	487	09.2893.14	485	09.2995.14.DA	485	09.3800.40	58	09.3842.06	63
09.2870.14	482	09.2893.14.DA	485	09.2995.30	485	09.3800.CZ	58	09.3842.14	63
09.2870.14.DA	482	09.2893.30	485	09.2995.30.DA	485	09.3801.06	58	09.3842.18	63
09.2870.30	482	09.2893.30.DA	485	09.2996.14	485	09.3801.14	58	09.3842.1A	46
09.2870.30.DA	482	09.2894.14	483	09.2996.14.DA	485	09.3801.18	58	09.3842.40	63
09.2871.14	482	09.2894.14.DA	483	09.2996.30	485	09.3801.40	58	09.3842.CZ	63
09.2871.14.DA	482	09.2894.30	483	09.2996.30.DA	485	09.3801.CZ	58	09.3843.06	63
09.2871.30	482	09.2894.30.DA	483	09.2997.14	484	09.3802.06	58	09.3843.14	63
09.2871.30.DA	482	09.2895.14	483	09.2997.14.DA	484	09.3802.14	58	09.3843.18	63
09.2872.14	482	09.2895.14.DA	483	09.2997.30	484	09.3802.18	58	09.3843.1A	46
09.2872.14.DA	482	09.2895.30	483	09.2997.30.DA	484	09.3802.40	58	09.3843.40	63
09.2872.30	482	09.2895.30.DA	483	09.2998.14	484	09.3802.CZ	58	09.3843.CZ	63
09.2872.30.DA	482	09.2896.14	483	09.2998.14.DA	484	09.3803.06	58	09.3850.06	63
09.2873.14	485	09.2896.14.DA	483	09.2998.30	484	09.3803.14	58	09.3850.14	63
09.2873.14.DA	485	09.2896.30	483	09.2998.30.DA	484	09.3803.18	58	09.3850.18	63
09.2873.30	485	09.2896.30.DA	483	09.2999.14	484	09.3803.40	58	09.3850.40	63
09.2873.30.DA	485	09.2897.14	486	09.2999.14.DA	484	09.3803.CZ	58	09.3850.CZ	63
09.2874.14	485	09.2897.14.DA	486	09.2999.30	484	09.3810.06	59	09.3851.06	63
09.2874.14.DA	485	09.2897.30	486	09.2999.30.DA	484	09.3810.14	59	09.3851.14	63
09.2874.30	485	09.2897.30.DA	486	09.3000.01C	569	09.3810.18	59	09.3851.18	63
09.2874.30.DA	485	09.2898.14	486	09.3000.04C	569	09.3810.40	59	09.3851.40	63
09.2875.14	485	09.2898.14.DA	486	09.3000.18C	569	09.3810.CZ	59	09.3851.CZ	63
09.2875.14.DA	485	09.2898.30	486	09.3000.72C	569	09.3811.06	59	09.3860.06	60
09.2875.30	485	09.2898.30.DA	486	09.3001.01B	569	09.3811.14	59	09.3860.14	60
09.2875.30.DA	485	09.2899.14	486	09.3001.04B	569	09.3811.18	59	09.3860.18	60
09.2876.14	483	09.2899.14.DA	486	09.3001.18B	569	09.3811.40	59	09.3860.40	60
09.2876.14.DA	483	09.2899.30	486	09.3001.72B	569	09.3811.CZ	59	09.3860.CZ	60
09.2876.30	483	09.2899.30.DA	486	09.3100.14A	418	09.3812.06	59	09.3861.06	60
09.2876.30.DA	483	09.2953.14	482	09.3100.30A	418	09.3812.14	59	09.3861.14	60
09.2877.14	483	09.2953.14.DA	482	09.3101.14A	418	09.3812.18	59	09.3861.18	60
09.2877.14.DA	483	09.2953.30	482	09.3101.30A	418	09.3812.40	59	09.3861.40	60
09.2877.30	483	09.2953.30.DA	482	09.3105.14A	419	09.3812.CZ	59	09.3861.CZ	60
09.2877.30.DA	483	09.2954.14	482	09.3105.30A	419	09.3813.06	59	09.3862.06	60
09.2878.14	483	09.2954.14.DA	482	09.3106.14A	419	09.3813.14	59	09.3862.14	60
09.2878.14.DA	483	09.2954.30	482	09.3106.30A	419	09.3813.18	59	09.3862.18	60
09.2878.30	483	09.2954.30.DA	482	09.3110.14A	418	09.3813.40	59	09.3862.40	60
09.2878.30.DA	483	09.2955.14	482	09.3110.30A	418	09.3813.CZ	59	09.3862.CZ	60
09.2879.14	486	09.2955.14.DA	482	09.3111.14A	418	09.3820.06	61	09.3863.06	60
09.2879.14.DA	486	09.2955.30	482	09.3111.30A	418	09.3820.14	61	09.3863.14	60
09.2879.30	486	09.2955.30.DA	482	09.3115.14A	419	09.3820.18	61	09.3863.18	60
09.2879.30.DA	486	09.2956.14	483	09.3115.30A	419	09.3820.40	61	09.3863.40	60
09.2880.14	486	09.2956.14.DA	483	09.3116.14A	419	09.3820.CZ	61	09.3863.CZ	60
09.2880.14.DA	486	09.2956.30	483	09.3116.30A	419	09.3821.06	61	09.3864.06	60
09.2880.30	486	09.2956.30.DA	483	09.3200.29A	565	09.3821.14	61	09.3864.14	60
09.2880.30.DA	486	09.2957.14	483	09.3200.30A	565	09.3821.18	61	09.3864.18	60
09.2881.14	486	09.2957.14.DA	483	09.3200.55A	565	09.3821.40	61	09.3864.40	60
09.2881.14.DA	486	09.2957.30	483	09.3200.ANA	565	09.3821.CZ	61	09.3864.CZ	60
09.2881.30	486	09.2957.30.DA	483	09.3200.BZA	565	09.3822.06	61	09.3865.06	60
09.2881.30.DA	486	09.2958.14	483	09.3201.29A	565	09.3822.14	61	09.3865.14	60
09.2882.14	487	09.2958.14.DA	483	09.3201.30A	565	09.3822.18	61	09.3865.18	60
09.2882.14.DA	487	09.2958.30	483	09.3201.55A	565	09.3822.40	61	09.3865.40	60
09.2882.30	487	09.2958.30.DA	483	09.3201.ANA	565	09.3822.CZ	61	09.3865.CZ	60
09.2882.30.DA	487	09.2959.14	486	09.3201.BZA	565	09.3823.06	61	09.3880.14	67
09.2883.14	487	09.2959.14.DA	486	09.3310.01C	567	09.3823.14	61	09.3880.40	67
09.2883.14.DA	487	09.2959.30	486	09.3310.04C	567	09.3823.18	61	09.3881.14	67
09.2883.30	487	09.2959.30.DA	486	09.3310.72C	567	09.3823.40	61	09.3881.40	67
09.2883.30.DA	487	09.2960.14	486	09.3705.14B	461	09.3823.CZ	61	09.3882.14	67
09.2884.14	487	09.2960.14.DA	486	09.3705.30B	461	09.3830.06	62	09.3882.40	67
09.2884.14.DA	487	09.2960.30	486	09.3706.14B	461	09.3830.14	62	09.3883.14	67

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09.3883.40	67	09.3931.40	62	09.4252.14.DA	475	09.4464.30A	469	09.4524.14ADA	379
09.3884.14	67	09.3931.CZ	62	09.4252.30	475	09.4464.30ADA	469	09.4524.30A	379
09.3884.40	67	09.3932.06	62	09.4252.30.DA	475	09.4465.14A	469	09.4524.30ADA	379
09.3885.14	67	09.3932.14	62	09.4263.14	478	09.4465.14ADA	469	09.4525.14A	379
09.3885.40	67	09.3932.18	62	09.4263.14.DA	478	09.4465.30A	469	09.4525.14ADA	379
09.3886.14	67	09.3932.40	62	09.4263.30	478	09.4465.30ADA	469	09.4525.30A	379
09.3886.40	67	09.3932.CZ	62	09.4263.30.DA	478	09.4470.14A	469	09.4525.30ADA	379
09.3887.14	67	09.3933.06	62	09.4264.14A	478	09.4470.14ADA	469	09.4526.14A	379
09.3887.40	67	09.3933.14	62	09.4264.14ADA	478	09.4470.30A	469	09.4526.14ADA	379
09.3890.14	69	09.3933.18	62	09.4264.30A	478	09.4470.30ADA	469	09.4526.30A	379
09.3890.40	69	09.3933.40	62	09.4264.30ADA	478	09.4471.14A	469	09.4526.30ADA	379
09.3891.14	69	09.3933.CZ	62	09.4265.14	478	09.4471.14ADA	469	09.4527.14A	379
09.3891.40	69	09.3940.06	63	09.4265.14.DA	478	09.4471.30A	469	09.4527.14ADA	379
09.3892.14	69	09.3940.14	63	09.4265.30	478	09.4471.30ADA	469	09.4527.30A	379
09.3892.40	69	09.3940.18	63	09.4265.30.DA	478	09.4472.14A	469	09.4527.30ADA	379
09.3893.14	69	09.3940.40	63	09.4270.14	478	09.4472.14ADA	469	09.4840.14A	472
09.3893.40	69	09.3940.CZ	63	09.4270.14.DA	478	09.4472.30A	469	09.4840.14ADA	472
09.3894.14	69	09.3941.06	63	09.4270.30	478	09.4472.30ADA	469	09.4840.30A	472
09.3894.40	69	09.3941.14	63	09.4270.30.DA	478	09.4480.14A	468	09.4840.30ADA	472
09.3895.14	69	09.3941.18	63	09.4271.14A	478	09.4480.30A	468	09.4841.14A	472
09.3895.40	69	09.3941.40	63	09.4271.14ADA	478	09.4481.14A	468	09.4841.14ADA	472
09.3896.14	69	09.3941.CZ	63	09.4271.30A	478	09.4481.30A	468	09.4841.30A	472
09.3896.40	69	09.3942.06	63	09.4271.30ADA	478	09.4482.14A	468	09.4841.30ADA	472
09.3897.14	69	09.3942.14	63	09.4272.14	478	09.4482.30A	468	09.4842.14A	472
09.3897.40	69	09.3942.18	63	09.4272.14.DA	478	09.4483.14A	468	09.4842.14ADA	472
09.3900.06	58	09.3942.40	63	09.4272.30	478	09.4483.30A	468	09.4842.30A	472
09.3900.14	58	09.3942.CZ	63	09.4272.30.DA	478	09.4484.14A	468	09.4842.30ADA	472
09.3900.18	58	09.3943.06	63	09.4281.14	475	09.4484.30A	468	09.4843.14A	472
09.3900.40	58	09.3943.14	63	09.4281.30	475	09.4485.14A	468	09.4843.14ADA	472
09.3900.CZ	58	09.3943.18	63	09.4283.14A	475	09.4485.30A	468	09.4843.30A	472
09.3901.06	58	09.3943.40	63	09.4283.30A	475	09.4486.14A	468	09.4843.30ADA	472
09.3901.14	58	09.3943.CZ	63	09.4285.14	475	09.4486.30A	468	09.4844.14A	472
09.3901.18	58	09.3950.06	63	09.4285.30	475	09.4487.14A	468	09.4844.14ADA	472
09.3901.40	58	09.3950.14	63	09.4286.14	475	09.4487.30A	468	09.4844.30A	472
09.3901.CZ	58	09.3950.18	63	09.4286.30	475	09.4488.14A	468	09.4844.30ADA	472
09.3902.06	58	09.3950.40	63	09.4287.14A	475	09.4488.30A	468	09.4845.14A	472
09.3902.14	58	09.3950.CZ	63	09.4287.30A	475	09.4510.14A	378	09.4845.14ADA	472
09.3902.18	58	09.3951.06	63	09.4288.14	475	09.4510.14ADA	378	09.4845.30A	472
09.3902.40	58	09.3951.14	63	09.4288.30	475	09.4510.30A	378	09.4845.30ADA	472
09.3902.CZ	58	09.3951.18	63	09.4440.14A	468	09.4510.30ADA	378	09.4850.14A	472
09.3903.06	58	09.3951.40	63	09.4440.14ADA	468	09.4511.14A	378	09.4850.14ADA	472
09.3903.14	58	09.3951.CZ	63	09.4440.30A	468	09.4511.14ADA	378	09.4850.30A	472
09.3903.18	58	09.3960.06	60	09.4440.30ADA	468	09.4511.30A	378	09.4850.30ADA	472
09.3903.40	58	09.3960.14	60	09.4441.14A	468	09.4511.30ADA	378	09.4851.14A	472
09.3903.CZ	58	09.3960.18	60	09.4441.14ADA	468	09.4512.14A	378	09.4851.14ADA	472
09.3910.06	59	09.3960.40	60	09.4441.30A	468	09.4512.14ADA	378	09.4851.30A	472
09.3910.14	59	09.3960.CZ	60	09.4441.30ADA	468	09.4512.30A	378	09.4851.30ADA	472
09.3910.18	59	09.3961.06	60	09.4442.14A	468	09.4512.30ADA	378	09.4852.14A	472
09.3910.40	59	09.3961.14	60	09.4442.14ADA	468	09.4513.14A	378	09.4852.14ADA	472
09.3910.CZ	59	09.3961.18	60	09.4442.30A	468	09.4513.14ADA	378	09.4852.30A	472
09.3911.06	59	09.3961.40	60	09.4442.30ADA	468	09.4513.30A	378	09.4852.30ADA	472
09.3911.14	59	09.3961.CZ	60	09.4443.14A	468	09.4513.30ADA	378	09.4860.14A	477
09.3911.18	59	09.3962.06	60	09.4443.14ADA	468	09.4514.14A	378	09.4860.14ADA	477
09.3911.40	59	09.3962.14	60	09.4443.30A	468	09.4514.14ADA	378	09.4860.30A	477
09.3911.CZ	59	09.3962.18	60	09.4443.30ADA	468	09.4514.30A	378	09.4860.30ADA	477
09.3912.06	59	09.3962.40	60	09.4444.14A	468	09.4514.30ADA	378	09.4861.14A	477
09.3912.14	59	09.3962.CZ	60	09.4444.14ADA	468	09.4515.14A	378	09.4861.14ADA	477
09.3912.18	59	09.3963.06	60	09.4444.30A	468	09.4515.14ADA	378	09.4861.30A	477
09.3912.40	59	09.3963.14	60	09.4444.30ADA	468	09.4515.30A	378	09.4861.30ADA	477
09.3912.CZ	59	09.3963.18	60	09.4445.14A	468	09.4515.30ADA	378	09.4862.14A	477
09.3913.06	59	09.3963.40	60	09.4445.14ADA	468	09.4516.14A	378	09.4862.14ADA	477
09.3913.14	59	09.3963.CZ	60	09.4445.30A	468	09.4516.14ADA	378	09.4862.30A	477
09.3913.18	59	09.3964.06	60	09.4445.30ADA	468	09.4516.30A	378	09.4862.30ADA	477
09.3913.40	59	09.3964.14	60	09.4450.14A	468	09.4516.30ADA	378	09.4863.14A	477
09.3913.CZ	59	09.3964.18	60	09.4450.14ADA	468	09.4517.14A	378	09.4863.14ADA	477
09.3920.06	61	09.3964.40	60	09.4450.30A	468	09.4517.14ADA	378	09.4863.30A	477
09.3920.14	61	09.3964.CZ	60	09.4450.30ADA	468	09.4517.30A	378	09.4863.30ADA	477
09.3920.18	61	09.3965.06	60	09.4451.14A	468	09.4517.30ADA	378	09.4864.14A	477
09.3920.40	61	09.3965.14	60	09.4451.14ADA	468	09.4518.14A	378	09.4864.14ADA	477
09.3920.CZ	61	09.3965.18	60	09.4451.30A	468	09.4518.14ADA	378	09.4864.30A	477
09.3921.06	61	09.3965.40	60	09.4451.30ADA	468	09.4518.30A	378	09.4864.30ADA	477
09.3921.14	61	09.3965.CZ	60	09.4452.14A	468	09.4518.30ADA	378	09.4865.14A	477
09.3921.18	61	09.4243.14	475	09.4452.14ADA	468	09.4519.14A	379	09.4865.14ADA	477
09.3921.40	61	09.4243.14.DA	475	09.4452.30A	468	09.4519.14ADA	379	09.4865.30A	477
09.3921.CZ	61	09.4243.30	475	09.4452.30ADA	468	09.4519.30A	379	09.4865.30ADA	477
09.3922.06	61	09.4243.30.DA	475	09.4460.14A	469	09.4519.30ADA	379	09.4870.14A	477
09.3922.14	61	09.4244.14A	475	09.4460.14ADA	469	09.4520.14A	379	09.4870.14ADA	477
09.3922.18	61	09.4244.14ADA	475	09.4460.30A	469	09.4520.14ADA	379	09.4870.30A	477
09.3922.40	61	09.4244.30A	475	09.4460.30ADA	469	09.4520.30A	379	09.4870.30ADA	477
09.3922.CZ	61	09.4244.30ADA	475	09.4461.14A	469	09.4520.30ADA	379	09.4871.14A	477
09.3923.06	61	09.4245.14	475	09.4461.14ADA	469	09.4521.14A	379	09.4871.14ADA	477
09.3923.14	61	09.4245.14.DA	475	09.4461.30A	469	09.4521.14ADA	379	09.4871.30A	477
09.3923.18	61	09.4245.30	475	09.4461.30ADA	469	09.4521.30A	379	09.4871.30ADA	477
09.3923.40	61	09.4245.30.DA	475	09.4462.14A	469	09.4521.30ADA	379	09.4872.14A	477
09.3923.CZ	61	09.4250.14	475	09.4462.14ADA	469	09.4522.14A	379	09.4872.14ADA	477
09.3930.06	62	09.4250.14.DA	475	09.4462.30A	469	09.4522.14ADA	379	09.4872.30A	477
09.3930.14	62	09.4250.30	475	09.4462.30ADA	469	09.4522.30A	379	09.4872.30ADA	477
09.3930.18	62	09.4250.30.DA	475	09.4463.14A	469	09.4522.30ADA	379	09.4880.14A	472
09.3930.40	62	09.4251.14A	475	09.4463.14ADA	469	09.4523.14A	379	09.4880.30A	472
09.3930.CZ	62	09.4251.14ADA	475	09.4463.30A	469	09.4523.14ADA	379	09.4881.14A	472
09.3931.06	62	09.4251.30A	475	09.4463.30ADA	469	09.4523.30A	379	09.4881.30A	472
09.3931.14	62	09.4251.30ADA	475	09.4464.14A	469	09.4523.30ADA	379	09.4882.14A	472
09.3931.18	62	09.4252.14	475	09.4464.14ADA	469	09.4524.14A	379	09.4882.30A	472

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09.4883.14A	472	09.4953.30ADA	476	09.5046.02B	547	09.7278.14A	142	09.7370.14	141
09.4883.30A	472	09.4954.14A	476	09.5046.02BDA	547	09.7278.40A	142	09.7370.40	141
09.4884.14A	472	09.4954.30A	476	09.5046.14B	547	09.7278.40A78	142	09.7370.40.78	141
09.4884.30A	472	09.4956.14A	476	09.5046.14BDA	547	09.7290.14A	519	09.7371.14	141
09.4885.14A	472	09.4956.14ADA	476	09.5046.30B	547	09.7290.40A	519	09.7371.40	141
09.4885.30A	472	09.4956.30A	476	09.5046.30BDA	547	09.7291.14A	519	09.7371.40.78	141
09.4886.14A	472	09.4956.30ADA	476	09.6010.02B	548	09.7291.40A	519	09.7372.14	141
09.4886.30A	472	09.4957.14A	476	09.6010.02BDA	548	09.7292.14A	519	09.7372.40	141
09.4887.14A	472	09.4957.30A	476	09.6010.14B	548	09.7292.40A	519	09.7372.40.78	141
09.4887.30A	472	09.4980.14	476	09.6010.14BDA	548	09.7293.14A	519	09.7373.14	144
09.4888.14A	472	09.4980.14.DA	476	09.6010.30B	548	09.7293.40A	519	09.7373.40	144
09.4888.30A	472	09.4980.30	476	09.6010.30BDA	548	09.7294.14A	519	09.7373.40.78	144
09.4910.14A	380	09.4980.30.DA	476	09.6011.02B	548	09.7294.40A	519	09.7374.14	144
09.4910.14ADA	380	09.4981.14	476	09.6011.02BDA	548	09.7295.14A	519	09.7374.40	144
09.4910.30A	380	09.4981.14.DA	476	09.6011.14B	548	09.7295.40A	519	09.7374.40.78	144
09.4910.30ADA	380	09.4981.30	476	09.6011.14BDA	548	09.7296.14A	519	09.7375.14	144
09.4911.14A	380	09.4981.30.DA	476	09.6011.30B	548	09.7296.40A	519	09.7375.40	144
09.4911.14ADA	380	09.4982.14	476	09.6011.30BDA	548	09.7297.14A	519	09.7375.40.78	144
09.4911.30A	380	09.4982.14.DA	476	09.6020.02B	548	09.7297.40A	519	09.7500.14	141
09.4911.30ADA	380	09.4982.30	476	09.6020.02BDA	548	09.7298.14A	519	09.7500.40	141
09.4912.14A	380	09.4982.30.DA	476	09.6020.14B	548	09.7298.40A	519	09.7500.40.78	141
09.4912.14ADA	380	09.4983.14	476	09.6020.14BDA	548	09.7300.14	140	09.7501.14	141
09.4912.30A	380	09.4983.30	476	09.6020.30B	548	09.7300.40	140	09.7501.40	141
09.4912.30ADA	380	09.4984.14	476	09.6020.30BDA	548	09.7300.40.78	140	09.7501.40.78	141
09.4913.14A	380	09.4984.30	476	09.6021.02B	548	09.7301.14	140	09.7504.14	144
09.4913.14ADA	380	09.4985.14	476	09.6021.02BDA	548	09.7301.40	140	09.7504.14.DA	144
09.4913.30A	380	09.4985.30	476	09.6021.14B	548	09.7301.40.78	140	09.7504.40	144
09.4913.30ADA	380	09.5010.02B	545	09.6021.14BDA	548	09.7302.14	140	09.7504.40.78	144
09.4914.14A	380	09.5010.02BDA	545	09.6021.30B	548	09.7302.40	140	09.7504.40.DA	144
09.4914.14ADA	380	09.5010.14B	545	09.6021.30BDA	548	09.7302.40.78	140	09.7504.40.YU	144
09.4914.30A	380	09.5010.14BDA	545	09.6040.02B	549	09.7303.14	140	09.7505.14	144
09.4914.30ADA	380	09.5010.30B	545	09.6040.02BDA	549	09.7303.40	140	09.7505.14.DA	144
09.4915.14A	380	09.5010.30BDA	545	09.6040.14B	549	09.7303.40.78	140	09.7505.40	144
09.4915.14ADA	380	09.5011.02B	545	09.6040.14BDA	549	09.7304.14	140	09.7505.40.78	144
09.4915.30A	380	09.5011.02BDA	545	09.6040.30B	549	09.7304.40	140	09.7505.40.DA	144
09.4915.30ADA	380	09.5011.14B	545	09.6040.30BDA	549	09.7304.40.78	140	09.7505.40.YU	144
09.4916.14A	380	09.5011.14BDA	545	09.6041.02B	549	09.7305.14	140	09.7700.14A	466
09.4916.14ADA	380	09.5011.30B	545	09.6041.02BDA	549	09.7305.40	140	09.7700.14ADA	466
09.4916.30A	380	09.5011.30BDA	545	09.6041.14B	549	09.7305.40.78	140	09.7700.30A	466
09.4916.30ADA	380	09.5015.02B	545	09.6041.14BDA	549	09.7306.14	140	09.7700.30A78	466
09.4917.14A	380	09.5015.02BDA	545	09.6041.30B	549	09.7306.40	140	09.7700.30ADA	466
09.4917.14ADA	380	09.5015.14B	545	09.6041.30BDA	549	09.7306.40.78	140	09.7700.30AYU	466
09.4917.30A	380	09.5015.14BDA	545	09.7210.14A	139	09.7307.14	140	09.7701.14A	466
09.4917.30ADA	380	09.5015.30B	545	09.7210.40A	139	09.7307.40	140	09.7701.14ADA	466
09.4918.14A	380	09.5015.30BDA	545	09.7210.40A78	139	09.7307.40.78	140	09.7701.30A	466
09.4918.14ADA	380	09.5016.02B	545	09.7211.14A	139	09.7308.14	140	09.7701.30A78	466
09.4918.30A	380	09.5016.02BDA	545	09.7211.40A	139	09.7308.40	140	09.7701.30ADA	466
09.4918.30ADA	380	09.5016.14B	545	09.7211.40A78	139	09.7308.40.78	140	09.7701.30AYU	466
09.4919.14A	381	09.5016.14BDA	545	09.7212.14A	139	09.7310.14	143	09.7702.14A	466
09.4919.14ADA	381	09.5016.30B	545	09.7212.40A	139	09.7310.40	143	09.7702.14ADA	466
09.4919.30A	381	09.5016.30BDA	545	09.7212.40A78	139	09.7310.40.78	143	09.7702.30A	466
09.4919.30ADA	381	09.5020.02B	546	09.7213.14A	139	09.7311.14	143	09.7702.30A78	466
09.4920.14A	381	09.5020.02BDA	546	09.7213.40A	139	09.7311.40	143	09.7702.30ADA	466
09.4920.14ADA	381	09.5020.14B	546	09.7213.40A78	139	09.7311.40.78	143	09.7702.30AYU	466
09.4920.30A	381	09.5020.14BDA	546	09.7214.14A	139	09.7312.14	143	09.7703.14A	466
09.4920.30ADA	381	09.5020.30B	546	09.7214.40A	139	09.7312.40	143	09.7703.14ADA	466
09.4921.14A	381	09.5020.30BDA	546	09.7214.40A78	139	09.7312.40.78	143	09.7703.30A	466
09.4921.14ADA	381	09.5021.02B	546	09.7215.14A	139	09.7313.14	143	09.7703.30A78	466
09.4921.30A	381	09.5021.02BDA	546	09.7215.40A	139	09.7313.40	143	09.7703.30ADA	466
09.4921.30ADA	381	09.5021.14B	546	09.7215.40A78	139	09.7313.40.78	143	09.7703.30AYU	466
09.4922.14A	381	09.5021.14BDA	546	09.7216.14A	139	09.7314.14	143	09.7704.14A	467
09.4922.14ADA	381	09.5021.30B	546	09.7216.40A	139	09.7314.40	143	09.7704.14ADA	467
09.4922.30A	381	09.5021.30BDA	546	09.7216.40A78	139	09.7314.40.78	143	09.7704.30A	467
09.4922.30ADA	381	09.5025.02B	546	09.7217.14A	139	09.7315.14	143	09.7704.30A78	467
09.4923.14A	381	09.5025.02BDA	546	09.7217.40A	139	09.7315.40	143	09.7704.30ADA	467
09.4923.14ADA	381	09.5025.14B	546	09.7217.40A78	139	09.7315.40.78	143	09.7704.30AYU	467
09.4923.30A	381	09.5025.14BDA	546	09.7218.14A	139	09.7316.14	143	09.7705.14A	467
09.4923.30ADA	381	09.5025.30B	546	09.7218.40A	139	09.7316.40	143	09.7705.14ADA	467
09.4924.14A	381	09.5025.30BDA	546	09.7218.40A78	139	09.7316.40.78	143	09.7705.30A	467
09.4924.14ADA	381	09.5026.02B	546	09.7270.14A	142	09.7317.14	143	09.7705.30A78	467
09.4924.30A	381	09.5026.02BDA	546	09.7270.40A	142	09.7317.40	143	09.7705.30ADA	467
09.4924.30ADA	381	09.5026.14B	546	09.7270.40A78	142	09.7317.40.78	143	09.7705.30AYU	467
09.4925.14A	381	09.5026.14BDA	546	09.7271.14A	142	09.7318.14	143	09.7706.14A	466
09.4925.14ADA	381	09.5026.30B	546	09.7271.40A	142	09.7318.40	143	09.7706.14ADA	466
09.4925.30A	381	09.5026.30BDA	546	09.7271.40A78	142	09.7318.40.78	143	09.7706.30A	466
09.4925.30ADA	381	09.5040.02B	547	09.7272.14A	142	09.7320.14	520	09.7706.30A78	466
09.4926.14A	381	09.5040.02BDA	547	09.7272.40A	142	09.7320.40	520	09.7706.30ADA	466
09.4926.14ADA	381	09.5040.14B	547	09.7272.40A78	142	09.7321.14	520	09.7706.30AYU	466
09.4926.30A	381	09.5040.14BDA	547	09.7273.14A	142	09.7321.40	520	09.7707.14A	466
09.4926.30ADA	381	09.5040.30B	547	09.7273.40A	142	09.7322.14	520	09.7707.14ADA	466
09.4927.14A	381	09.5040.30BDA	547	09.7273.40A78	142	09.7322.40	520	09.7707.30A	466
09.4927.14ADA	381	09.5041.02B	547	09.7274.14A	142	09.7323.14	520	09.7707.30A78	466
09.4927.30A	381	09.5041.02BDA	547	09.7274.40A	142	09.7323.40	520	09.7707.30ADA	466
09.4927.30ADA	381	09.5041.14B	547	09.7274.40A78	142	09.7324.14	520	09.7707.30AYU	466
09.4950.14A	476	09.5041.14BDA	547	09.7275.14A	142	09.7324.40	520	09.7708.14A	467
09.4950.14ADA	476	09.5041.30B	547	09.7275.40A	142	09.7325.14	520	09.7708.14ADA	467
09.4950.30A	476	09.5041.30BDA	547	09.7275.40A78	142	09.7325.40	520	09.7708.30A	467
09.4950.30ADA	476	09.5045.02B	547	09.7276.14A	142	09.7326.14	520	09.7708.30A78	467
09.4951.14A	476	09.5045.02BDA	547	09.7276.40A	142	09.7326.40	520	09.7708.30ADA	467
09.4951.30A	476	09.5045.14B	547	09.7276.40A78	142	09.7327.14	520	09.7708.30AYU	467
09.4953.14A	476	09.5045.14BDA	547	09.7277.14A	142	09.7327.40	520	09.7730.14	474
09.4953.14ADA	476	09.5045.30B	547	09.7277.40A	142	09.7328.14	520	09.7730.14.DA	474
09.4953.30A	476	09.5045.30BDA	547	09.7277.40A78	142	09.7328.40	520	09.7730.30	474

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09.7730.30.78	474	09.7771.14A	473	09.8024.1A	44	09.8107.WA.CB	452	09.8119.WA.PC	455
09.7730.30.DA	474	09.7771.14ADA	473	09.8024.40	44	09.8107.WA.PC	452	09.8200.DR	453
09.7730.30.YU	474	09.7771.30A	473	09.8024.CZ	44	09.8108.DR	452	09.8200.DR.CB	453
09.7731.14A	474	09.7771.30A78	473	09.8025.14	44	09.8108.DR.CB	452	09.8200.DR.PC	453
09.7731.14ADA	474	09.7771.30ADA	473	09.8025.1A	44	09.8108.DR.PC	452	09.8200.WA	453
09.7731.30A	474	09.7771.30AYU	473	09.8025.40	44	09.8108.WA	452	09.8200.WA.CB	453
09.7731.30A78	474	09.7772.14A	473	09.8025.CZ	44	09.8108.WA.CB	452	09.8200.WA.PC	453
09.7731.30ADA	474	09.7772.14ADA	473	09.8026.14	44	09.8108.WA.PC	452	09.8201.DR	453
09.7731.30AYU	474	09.7772.30A	473	09.8026.1A	44	09.8109.DR	452	09.8201.DR.CB	453
09.7732.14	474	09.7772.30A78	473	09.8026.40	44	09.8109.DR.CB	452	09.8201.DR.PC	453
09.7732.14.DA	474	09.7772.30ADA	473	09.8026.CZ	44	09.8109.DR.PC	452	09.8201.WA	453
09.7732.30	474	09.7772.30AYU	473	09.8027.14	44	09.8109.WA	452	09.8201.WA.CB	453
09.7732.30.78	474	09.8000.14	42	09.8027.1A	44	09.8109.WA.CB	452	09.8201.WA.PC	453
09.7732.30.DA	474	09.8000.1A	42	09.8027.40	44	09.8109.WA.PC	452	09.8202.DR	453
09.7732.30.YU	474	09.8000.40	42	09.8027.CZ	44	09.8110.DR	454	09.8202.DR.CB	453
09.7733.14	474	09.8000.CZ	42	09.8030.14	45	09.8110.DR.CB	454	09.8202.DR.PC	453
09.7733.14.DA	474	09.8001.14	42	09.8030.1A	45	09.8110.DR.DA	454	09.8202.WA	453
09.7733.30	474	09.8001.1A	42	09.8030.40	45	09.8110.DR.PC	454	09.8202.WA.CB	453
09.7733.30.78	474	09.8001.40	42	09.8030.CZ	45	09.8110.WA	454	09.8202.WA.PC	453
09.7733.30.DA	474	09.8001.CZ	42	09.8031.14	45	09.8110.WA.CB	454	09.8203.DR	453
09.7733.30.YU	474	09.8002.14	42	09.8031.1A	45	09.8110.WA.DA	454	09.8203.DR.CB	453
09.7734.14A	474	09.8002.1A	42	09.8031.40	45	09.8110.WA.PC	454	09.8203.DR.PC	453
09.7734.14ADA	474	09.8002.40	42	09.8031.CZ	45	09.8111.DR	454	09.8203.WA	453
09.7734.30A	474	09.8002.CZ	42	09.8032.14	45	09.8111.DR.CB	454	09.8203.WA.CB	453
09.7734.30A78	474	09.8003.14	42	09.8032.1A	45	09.8111.DR.DA	454	09.8203.WA.PC	453
09.7734.30ADA	474	09.8003.1A	42	09.8032.40	45	09.8111.DR.PC	454	09.8204.DR	453
09.7734.30AYU	474	09.8003.40	42	09.8032.CZ	45	09.8111.WA	454	09.8204.DR.CB	453
09.7735.14	474	09.8003.CZ	42	09.8033.14	45	09.8111.WA.CB	454	09.8204.DR.PC	453
09.7735.14.DA	474	09.8004.14	42	09.8033.1A	45	09.8111.WA.DA	454	09.8204.WA	453
09.7735.30	474	09.8004.1A	42	09.8033.40	45	09.8111.WA.PC	454	09.8204.WA.CB	453
09.7735.30.78	474	09.8004.40	42	09.8033.CZ	45	09.8112.DR	454	09.8204.WA.PC	453
09.7735.30.DA	474	09.8004.CZ	42	09.8034.14	45	09.8112.DR.CB	454	09.8205.DR	453
09.7735.30.YU	474	09.8005.14	42	09.8034.1A	45	09.8112.DR.DA	454	09.8205.DR.CB	453
09.7750.14A	470	09.8005.1A	42	09.8034.40	45	09.8112.DR.PC	454	09.8205.DR.PC	453
09.7750.14ADA	470	09.8005.40	42	09.8034.CZ	45	09.8112.WA	454	09.8205.WA	453
09.7750.30A	470	09.8005.CZ	42	09.8035.14	45	09.8112.WA.CB	454	09.8205.WA.CB	453
09.7750.30A78	470	09.8006.14	42	09.8035.1A	45	09.8112.WA.DA	454	09.8205.WA.PC	453
09.7750.30ADA	470	09.8006.1A	42	09.8035.40	45	09.8112.WA.PC	454	09.8206.DR	453
09.7750.30AYU	470	09.8006.40	42	09.8035.CZ	45	09.8113.DR	454	09.8206.DR.CB	453
09.7751.14A	470	09.8006.CZ	42	09.8036.14	45	09.8113.DR.CB	454	09.8206.DR.PC	453
09.7751.14ADA	470	09.8007.14	42	09.8036.1A	45	09.8113.DR.DA	454	09.8206.WA	453
09.7751.30A	470	09.8007.1A	42	09.8036.40	45	09.8113.DR.PC	454	09.8206.WA.CB	453
09.7751.30A78	470	09.8007.40	42	09.8036.CZ	45	09.8113.WA	454	09.8206.WA.PC	453
09.7751.30ADA	470	09.8007.CZ	42	09.8037.14	45	09.8113.WA.CB	454	09.8207.DR	453
09.7751.30AYU	470	09.8010.14	43	09.8037.1A	45	09.8113.WA.DA	454	09.8207.DR.CB	453
09.7752.14A	470	09.8010.1A	43	09.8037.40	45	09.8113.WA.PC	454	09.8207.DR.PC	453
09.7752.14ADA	470	09.8010.40	43	09.8037.CZ	45	09.8114.DR	455	09.8207.WA	453
09.7752.30A	470	09.8010.CZ	43	09.8100.DR	452	09.8114.DR.CB	455	09.8207.WA.CB	453
09.7752.30A78	470	09.8011.14	43	09.8100.DR.CB	452	09.8114.DR.DA	455	09.8207.WA.PC	453
09.7752.30ADA	470	09.8011.1A	43	09.8100.DR.PC	452	09.8114.DR.PC	455	09.8208.DR	453
09.7752.30AYU	470	09.8011.40	43	09.8100.WA	452	09.8114.WA	455	09.8208.DR.CB	453
09.7753.14A	470	09.8011.CZ	43	09.8100.WA.CB	452	09.8114.WA.CB	455	09.8208.DR.PC	453
09.7753.14ADA	470	09.8012.14	43	09.8100.WA.PC	452	09.8114.WA.DA	455	09.8208.WA	453
09.7753.30A	470	09.8012.1A	43	09.8101.DR	452	09.8114.WA.PC	455	09.8208.WA.CB	453
09.7753.30A78	470	09.8012.40	43	09.8101.DR.CB	452	09.8115.DR	454	09.8208.WA.PC	453
09.7753.30ADA	470	09.8012.CZ	43	09.8101.DR.PC	452	09.8115.DR.CB	454	09.8209.DR	453
09.7753.30AYU	470	09.8013.14	43	09.8101.WA	452	09.8115.DR.DA	454	09.8209.DR.CB	453
09.7754.14A	471	09.8013.1A	43	09.8101.WA.CB	452	09.8115.DR.PC	454	09.8209.DR.PC	453
09.7754.14ADA	471	09.8013.40	43	09.8101.WA.PC	452	09.8115.WA	454	09.8209.WA	453
09.7754.30A	471	09.8013.CZ	43	09.8102.DR	452	09.8115.WA.CB	454	09.8209.WA.CB	453
09.7754.30A78	471	09.8014.14	43	09.8102.DR.CB	452	09.8115.WA.DA	454	09.8209.WA.PC	453
09.7754.30ADA	471	09.8014.1A	43	09.8102.DR.PC	452	09.8115.WA.PC	454	09.8210.DR	456
09.7754.30AYU	471	09.8014.40	43	09.8102.WA	452	09.8116.DR	454	09.8210.DR.CB	456
09.7755.14A	471	09.8014.CZ	43	09.8102.WA.CB	452	09.8116.DR.CB	454	09.8210.DR.DA	456
09.7755.14ADA	471	09.8015.14	43	09.8102.WA.PC	452	09.8116.DR.DA	454	09.8210.DR.PC	456
09.7755.30A	471	09.8015.1A	43	09.8103.DR	452	09.8116.DR.PC	454	09.8210.WA	456
09.7755.30A78	471	09.8015.40	43	09.8103.DR.CB	452	09.8116.WA	454	09.8210.WA.CB	456
09.7755.30ADA	471	09.8015.CZ	43	09.8103.DR.PC	452	09.8116.WA.CB	454	09.8210.WA.DA	456
09.7755.30AYU	471	09.8016.14	43	09.8103.WA	452	09.8116.WA.DA	454	09.8210.WA.PC	456
09.7756.14A	470	09.8016.1A	43	09.8103.WA.CB	452	09.8116.WA.PC	454	09.8211.DR	456
09.7756.14ADA	470	09.8016.40	43	09.8103.WA.PC	452	09.8117.DR	454	09.8211.DR.CB	456
09.7756.30A	470	09.8016.CZ	43	09.8104.DR	452	09.8117.DR.CB	454	09.8211.DR.DA	456
09.7756.30A78	470	09.8017.14	43	09.8104.DR.CB	452	09.8117.DR.DA	454	09.8211.DR.PC	456
09.7756.30ADA	470	09.8017.1A	43	09.8104.DR.PC	452	09.8117.DR.PC	454	09.8211.WA	456
09.7756.30AYU	470	09.8017.40	43	09.8104.WA	452	09.8117.WA	454	09.8211.WA.CB	456
09.7757.14A	470	09.8017.CZ	43	09.8104.WA.CB	452	09.8117.WA.CB	454	09.8211.WA.DA	456
09.7757.14ADA	470	09.8020.14	44	09.8104.WA.PC	452	09.8117.WA.DA	454	09.8211.WA.PC	456
09.7757.30A	470	09.8020.1A	44	09.8105.DR	452	09.8117.WA.PC	454	09.8212.DR	456
09.7757.30A78	470	09.8020.40	44	09.8105.DR.CB	452	09.8118.DR	454	09.8212.DR.CB	456
09.7757.30ADA	470	09.8020.CZ	44	09.8105.DR.PC	452	09.8118.DR.CB	454	09.8212.DR.DA	456
09.7757.30AYU	470	09.8021.14	44	09.8105.WA	452	09.8118.DR.DA	454	09.8212.DR.PC	456
09.7758.14A	471	09.8021.1A	44	09.8105.WA.CB	452	09.8118.DR.PC	454	09.8212.WA	456
09.7758.14ADA	471	09.8021.40	44	09.8105.WA.PC	452	09.8118.WA	454	09.8212.WA.CB	456
09.7758.30A	471	09.8021.CZ	44	09.8106.DR	452	09.8118.WA.CB	454	09.8212.WA.DA	456
09.7758.30A78	471	09.8022.14	44	09.8106.DR.CB	452	09.8118.WA.DA	454	09.8212.WA.PC	456
09.7758.30ADA	471	09.8022.1A	44	09.8106.DR.PC	452	09.8118.WA.PC	454	09.8213.DR	456
09.7758.30AYU	471	09.8022.40	44	09.8106.WA	452	09.8119.DR	455	09.8213.DR.CB	456
09.7770.14A	473	09.8022.CZ	44	09.8106.WA.CB	452	09.8119.DR.CB	455	09.8213.DR.DA	456
09.7770.14ADA	473	09.8023.14	44	09.8106.WA.PC	452	09.8119.DR.DA	455	09.8213.DR.PC	456
09.7770.30A	473	09.8023.1A	44	09.8107.DR	452	09.8119.DR.PC	455	09.8213.WA	456
09.7770.30A78	473	09.8023.40	44	09.8107.DR.CB	452	09.8119.WA	455	09.8213.WA.CB	456
09.7770.30ADA	473	09.8023.CZ	44	09.8107.DR.PC	452	09.8119.WA.CB	455	09.8213.WA.DA	456
09.7770.30AYU	473	09.8024.14	44	09.8107.WA	452	09.8119.WA.DA	455	09.8213.WA.PC	456

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09.8214.DR	457	09.9076.BW	153	60.3046.11	576	60.3820.11	574	60.8529	582
09.8214.DR.CB	457	09.9077.14	153	60.3046.14	576	60.3820.11ADA	574	60.8530	580
09.8214.DR.DA	457	09.9077.BW	153	60.3046.29	576	60.3820.14	574	60.8533	608
09.8214.DR.PC	457	09.9083.14	154	60.3047.11	576	60.3820.14ADA	574	60.8534	582
09.8214.WA	457	09.9083.BW	154	60.3047.11ADA	576	60.3820.29	574	60.8635	584
09.8214.WA.CB	457	09.9084.14	154	60.3047.14	576	60.3820.29ADA	574	60.8640	557
09.8214.WA.DA	457	09.9084.BW	154	60.3047.14ADA	576	60.3830.11	574	60.8650	580
09.8214.WA.PC	457	09.9085.14	154	60.3047.29	576	60.3830.11ADA	574	60.8654	581
09.8215.DR	456	09.9085.BW	154	60.3047.29ADA	576	60.3830.14	574	60.8655	608
09.8215.DR.CB	456	09.9086.14	154	60.3048.11	576	60.3830.14ADA	574	60.8656	608
09.8215.DR.DA	456	09.9086.BW	154	60.3048.11ADA	576	60.3830.29	574	60.8668	580
09.8215.DR.PC	456	09.9087.14	154	60.3048.14	576	60.3830.29ADA	574	60.8670	580
09.8215.WA	456	09.9087.BW	154	60.3048.14ADA	576	60.3840.11	574	60.8703	625
09.8215.WA.CB	456	09.9088.14	154	60.3048.29	576	60.3840.11ADA	574	60.8837	581
09.8215.WA.DA	456	09.9088.BW	154	60.3048.29ADA	576	60.3840.14	574	60.8847	581
09.8215.WA.PC	456	09.9093.14	155	60.3049.11	576	60.3840.14ADA	574	60.8880	582
09.8216.DR	456	09.9093.BW	155	60.3049.14	576	60.3840.29	574	60.8911	580
09.8216.DR.CB	456	09.9094.14	155	60.3049.29	576	60.3840.29ADA	574	60.8919	155
09.8216.DR.DA	456	09.9094.BW	155	60.3051.11	576	60.6213	587	60.9024	155
09.8216.DR.PC	456	09.9095.14	155	60.3051.14	576	60.6214	587	60.9089	625
09.8216.WA	456	09.9095.BW	155	60.3051.29	576	60.6256	587	60.9157	629
09.8216.WA.CB	456	09.9096.14	155	60.3053.11	575	60.6257	587	60.9160	583
09.8216.WA.DA	456	09.9096.BW	155	60.3053.14	575	60.6258	587	60.9162	581
09.8216.WA.PC	456	09.9097.14	155	60.3054	576	60.6259	587	60.9170	37
09.8217.DR	456	09.9097.BW	155	60.3057.11	575	60.6300	586	60.9186	583
09.8217.DR.CB	456	09.9098.14	155	60.3057.29	575	60.6301	586	60.9188	581
09.8217.DR.DA	456	09.9098.BW	155	60.3083.29	575	60.6302	586	60.9207	583
09.8217.DR.PC	456	60..8268	643	60.3090.11	575	60.6303	586	60.9222	581
09.8217.WA	456	60.3008.11	575	60.3091.11	575	60.6304	586	60.9233	580
09.8217.WA.CB	456	60.3008.14	575	60.3091.14	575	60.6305	586	60.9268	582
09.8217.WA.DA	456	60.3014.11	575	60.3092.11	575	60.6306	586	60.9276	581
09.8217.WA.PC	456	60.3014.14	575	60.3093.29	575	60.6355	586	60.9312	580
09.8218.DR	456	60.3016.11	576	60.3094.11	575	60.6356	586	60.9352	643
09.8218.DR.CB	456	60.3016.12	576	60.3094.14	575	60.6357	586	60.9359	84
09.8218.DR.DA	456	60.3016.14	576	60.3095.29	575	60.6360	586	60.9360	84
09.8218.DR.PC	456	60.3018.11	575	60.3096.29	575	60.6361	586	60.9361	84
09.8218.WA	456	60.3018.14	575	60.3097.11	575	60.6374	586	60.9389	582
09.8218.WA.CB	456	60.3022.11	576	60.3097.14	575	60.6392	586	60.9391	131
09.8218.WA.DA	456	60.3022.14	576	60.3101.11	574	60.6393	586	60.9392	84
09.8218.WA.PC	456	60.3023.11	576	60.3101.11ADA	574	60.6394	586	60.9395	131
09.8219.DR	457	60.3023.14	576	60.3101.14	574	60.6395	586	60.9398	641
09.8219.DR.CB	457	60.3023.29	576	60.3101.14ADA	574	60.6398	586	60.9405	582
09.8219.DR.DA	457	60.3025.11	575	60.3101.29	574	60.6399	586	60.9407	643
09.8219.DR.PC	457	60.3025.14	575	60.3101.29ADA	574	60.6404	586	60.9411	583
09.8219.WA	457	60.3025.29	575	60.3102.11	574	60.6450	586	60.9414	234
09.8219.WA.CB	457	60.3028.11	576	60.3102.11ADA	574	60.6452	586	60.9415	234
09.8219.WA.DA	457	60.3028.11ADA	576	60.3102.14	574	60.6454	586	60.9416	84
09.8219.WA.PC	457	60.3028.14	576	60.3102.14ADA	574	60.6455	586	60.9421	582
09.8300.AH	185	60.3028.14ADA	576	60.3102.29	574	60.6456	586	60.9424	641
09.8300.DR	185	60.3028.29	576	60.3102.29ADA	574	60.6458	586	60.9426	84
09.8300.DV	185	60.3028.29ADA	576	60.3103.11	574	60.6500	587	60.9439	583
09.8300.DW	185	60.3029.11	576	60.3103.11ADA	574	60.6503	587	60.9443	643
09.8300.DX	185	60.3029.11ADA	576	60.3103.14	574	60.6504	587	60.9467	583
09.8300.DY	185	60.3029.14	576	60.3103.14ADA	574	60.6506	587	60.9483	583
09.8301.AH	185	60.3029.14ADA	576	60.3103.29	574	60.6507	587	60.9523	237
09.8301.DR	185	60.3029.29	576	60.3103.29ADA	574	60.6509	587	60.9592	580
09.8301.DV	185	60.3029.29ADA	576	60.3104.11	574	60.6510	587	60.9601	582
09.8301.DW	185	60.3036.11	576	60.3104.11ADA	574	60.6512	587	60.9604	583
09.8301.DX	185	60.3036.11ADA	576	60.3104.14	574	60.6513	587	80.0030	165
09.8301.DY	185	60.3036.14	576	60.3104.14ADA	574	60.6515	587	80.1318	573
09.8302.AH	185	60.3036.14ADA	576	60.3104.29	574	60.6516	587	80.1332	573
09.8302.DR	185	60.3036.29	576	60.3104.29ADA	574	60.6518	587	80.8067	563
09.8302.DV	185	60.3036.29ADA	576	60.3145.11	575	60.6519	587	BU10	586
09.8302.DW	185	60.3037.11	576	60.3145.14	575	60.6520	587	BU19	586
09.8302.DX	185	60.3037.11ADA	576	60.3146.11	575	60.6521	587	BU20	586
09.8302.DY	185	60.3037.14	576	60.3146.14	575	60.6522	587	BU21	586
09.8310.AH	185	60.3037.14ADA	576	60.3317.11A	137	60.6523	587	BU30	586
09.8310.DR	185	60.3037.29	576	60.3317.14	137	60.6575	586	BU61	586
09.8310.DV	185	60.3037.29ADA	576	60.3318.11A	137	60.6585	587	BU62	586
09.8310.DW	185	60.3038.11	575	60.3318.14	137	60.6592	587	BU64	586
09.8310.DX	185	60.3038.11ADA	575	60.3319.11A	137	60.6598	587	BU68	586
09.8310.DY	185	60.3038.12	575	60.3319.14	137	60.6616	586	BU95	586
09.8311.AH	185	60.3038.12ADA	575	60.3320.11A	137	60.6617	586	F0556020	553
09.8311.DR	185	60.3038.14	575	60.3320.14	137	60.6618	586	F0557020	553
09.8311.DV	185	60.3038.14ADA	575	60.3321.11A	137	60.6722	587	F4185009	562
09.8311.DW	185	60.3039.11	575	60.3321.14	137	60.6723	587	F4185030	562
09.8311.DX	185	60.3039.11ADA	575	60.3330.11A	137	60.6724	587	F4185057	562
09.8311.DY	185	60.3039.12	575	60.3330.14	137	60.6861	586	F9463009	563
09.8312.AH	185	60.3039.12ADA	575	60.3331.11A	137	60.6862	586	F9463030	563
09.8312.DR	185	60.3039.14	575	60.3331.14	137	60.6863	586	F9463057	563
09.8312.DV	185	60.3039.14ADA	575	60.3333.11A	137	60.6864	586	F9466057	561
09.8312.DW	185	60.3043.11	576	60.3333.14	137	60.6866	587	F9467057	561
09.8312.DX	185	60.3043.11ADA	576	60.3336.11A	137	60.6989	586	F9474057	562
09.8312.DY	185	60.3043.14	576	60.3336.14	137	60.6990	586	F9477057	562
09.9070.14	153	60.3043.14ADA	576	60.3345	137	60.6992	586	F9478009	563
09.9070.BW	153	60.3043.29	576	60.3351.11A	137	60.8079	582	F9478030	563
09.9071.14	153	60.3043.29ADA	576	60.3351.14	137	60.8268	625	F9478057	563
09.9071.BW	153	60.3044.11	576	60.3810.11	574	60.8311	584	F9492057	560
09.9072.14	153	60.3044.11ADA	576	60.3810.11ADA	574	60.8364	584	F9493057	560
09.9072.BW	153	60.3044.12	576	60.3810.14	574	60.8402	627	F9494057	560
09.9075.14	153	60.3044.12ADA	576	60.3810.14ADA	574	60.8407	245	F9497057	561
09.9075.BW	153	60.3044.14	576	60.3810.29	574	60.8437	580	RF18863	586
09.9076.14	153	60.3044.14ADA	576	60.3810.29ADA	574	60.8515	584	RF19264	586

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SA.1001.3.001	631	SA.1010.5D110	636	SA.2453.5A165	599	SA.5061.3.0V3	627		
SA.1001.3.002	631	SA.1010.6D100	636	SA.2454.5A145	599	SA.5062.3.076	627		
SA.1001.3.003	631	SA.1011.4.100	636	SA.2454.5A165	599	SA.5062.3.0OG	627		
SA.1001.3.004	631	SA.1011.4.11V	636	SA.3009.1	641	SA.5062.3.0V3	627		
SA.1001.3.006	631	SA.1011.4.1DA	636	SA.3010.1C	637	SA.5063.3.076	627		
SA.1001.3.009	631	SA.1011.4.200	636	SA.3011.1B	637	SA.5063.3.0OG	627		
SA.1001.3.014	631	SA.1011.4.21V	636	SA.3012.1B	637	SA.5063.3.0V3	627		
SA.1001.3.015	631	SA.1011.4.2DA	636	SA.3013.1C	638	SA.5064.3.076	627		
SA.1001.3.016	631	SA.1011.4.300	636	SA.3014.1B	638	SA.5064.3.0OG	627		
SA.1001.3.025	631	SA.1011.5D110	636	SA.3015.1C	638	SA.5064.3.0V3	627		
SA.1001.3.026	631	SA.1011.6D100	636	SA.3016.1C	639	SA.5065.3.076	627		
SA.1001.3.027	631	SA.1012.3.019	620	SA.3017.1	639	SA.5065.3.0OG	627		
SA.1002.3.001	632	SA.1014.3.001	619	SA.3018.1	640	SA.5065.3.0V3	627		
SA.1002.3.002	632	SA.1014.3.002	619	SA.3019.1	639	SA.5066.3.076	627		
SA.1002.3.003	632	SA.1014.3.003	619	SA.3020.1	640	SA.5066.3.0OG	627		
SA.1002.3.004	632	SA.1014.3.004	619	SA.3021.1	640	SA.5066.3.0V3	627		
SA.1002.3.006	632	SA.1014.3.006	619	SA.3022.1	641	SA.5067.3.076	627		
SA.1002.3.009	632	SA.1014.3.009	619	SA.3023.1	641	SA.5067.3.0OG	627		
SA.1002.3.014	632	SA.1014.3.014	619	SA.4004.4.100	615	SA.5067.3.0V3	627		
SA.1002.3.015	632	SA.1014.3.015	619	SA.4004.4.200	615	SA.5068.3.076	627		
SA.1002.3.016	632	SA.1014.3.025	619	SA.4004.4.300	615	SA.5068.3.0OG	627		
SA.1002.3.025	632	SA.1014.3.026	619	SA.4004.5C110	615	SA.5068.3.0V3	627		
SA.1002.3.026	632	SA.1014.3.027	619	SA.4004.6A100	615	SA.5069.3.076	627		
SA.1002.3.027	632	SA.1015.3.001	620	SA.4005.4.100	615	SA.5069.3.0OG	627		
SA.1003.3.001	632	SA.1015.3.002	620	SA.4005.4.11V	615	SA.5069.3.0V3	627		
SA.1003.3.002	632	SA.1015.3.003	620	SA.4005.4.1DA	615	SA.5070.3.076	627		
SA.1003.3.003	632	SA.1015.3.004	620	SA.4005.4.200	615	SA.5070.3.0OG	627		
SA.1003.3.004	632	SA.1015.3.006	620	SA.4005.4.21V	615	SA.5070.3.0V3	627		
SA.1003.3.009	632	SA.1015.3.009	620	SA.4005.4.2DA	615	SA.5071.3.076	628		
SA.1003.3.015	632	SA.1015.3.014	620	SA.4005.4.300	615	SA.5072.3.076	628		
SA.1003.3.017	632	SA.1015.3.015	620	SA.4005.5C110	615	SA.5073.3.076	628		
SA.1003.3.025	632	SA.1015.3.016	620	SA.4005.6A100	615	SA.5074.3.076	628		
SA.1003.3.026	632	SA.1015.3.025	620	SA.4006.4.100	623	SA.5075.3.076	628		
SA.1003.3.027	632	SA.1015.3.026	620	SA.4006.4.200	623	SA.5076.3.076	628		
SA.1004.3.001	633	SA.1015.3.027	620	SA.4006.4.300	623	SA.5077.3.076	628		
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SA.1004.3.003	633	SA.1019.3.002	619	SA.4006.6B100	623	SA.5100.1A	629		
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SA.1006.4.1DA	634	SA.2285.1	602	SA.4009.3.027	622				
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SA.1007.4.2DA	634	SA.2313.3.160	600	SA.5001.1	614				
SA.1007.4.300	634	SA.2314.1	600	SA.5004.1	613				
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SA.1008.6D100	635	SA.2343.1	601	SA.5021.5A180	609				
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SA.1009.4.21V	635	SA.2344.3.120	601	SA.5022.6A120	610				
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SA.1009.6D100	635	SA.2423.5A165	599	SA.5023.6A120	610				
SA.1010.4.100	636	SA.2424.5A145	599	SA.5023.6A180	610				
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