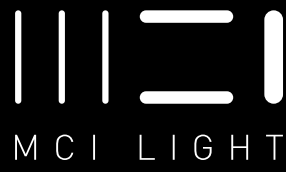




MCI LIGHT

20|21

by **GRUPO MCI**



MCI LIGHT

20|21



50 YEARS
EXPERIENCE

CUSTOM MADE
FIXTURES

MADE IN
BARCELONA
















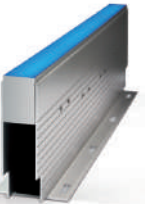


5 YEARS
WARRANTY

>4.000
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by **GRUPO MCI**

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DESIGN & LIGHTING ENGINEERING MADE IN BARCELONA

GRUPO MCI, founded in 1972 in Barcelona, is an international leading engineering and manufacturer company of integral architectural lighting solutions for indoor (hotels, retail, contract, shopping center, cinemas, etc.) and outdoor (façades, public areas, residential areas, etc.) lighting applications.

With almost than 50 years experience in the lighting industry, the last 25 years the business focus of the company is on the research, development, and innovation (R+D+i), emphasizing lighting project design and exclusively manufacturing 100% with LED lighting products.

Currently, the company is made up of experienced and quality focused professionals with an extensive knowledge and background in developing a wide range of luminaires with the perfect balance between quality, energy efficiency and functionality.

GRUPO MCI Headquarter is located close to the Barcelona International Airport, with facilities encompassing over 8.000 square meters for R+D+i, engineering.

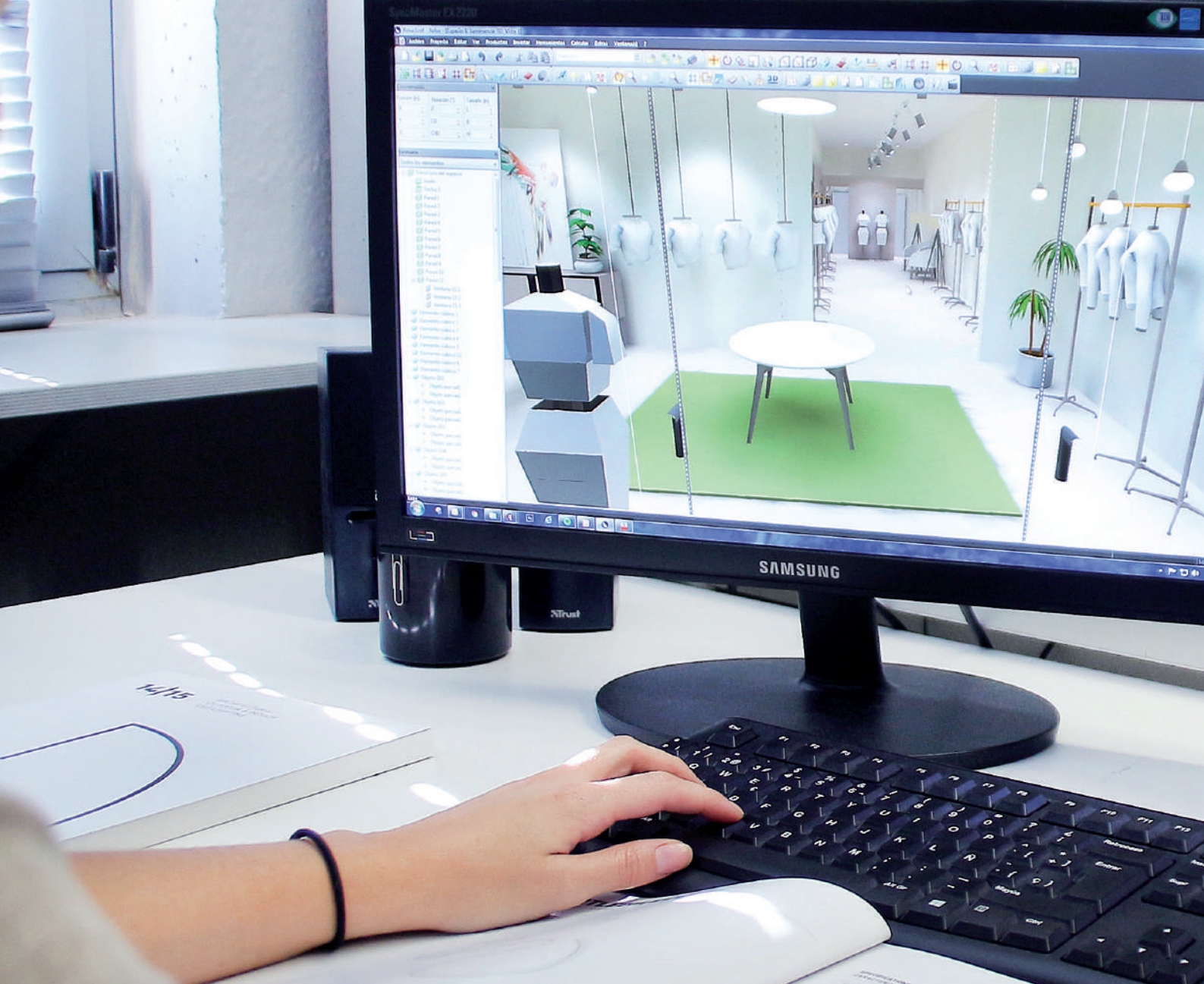
DISEÑO E INGENIERÍA LUMÍNICA MADE IN BARCELONA

GRUPO MCI, fundada en 1972 en Barcelona, es un fabricante internacional que ofrece soluciones eficientes en iluminación arquitectural, tanto para aplicaciones de interior (hoteles, retail, contract, centros comerciales, cines, etc.) como de exterior (fachadas, espacios públicos, zonas residenciales, etc.).

Con casi 50 años de experiencia en la industria de la iluminación, en los últimos 25 años la empresa se ha especializado en la investigación, desarrollo e innovación (I+D+i), diseño y fabricación de luminarias 100% con tecnología LED.

En la actualidad, la empresa cuenta con un equipo de profesionales con gran experiencia en iluminación, que desarrollan una amplia gama de luminarias que tienen como denominador común el propósito de encontrar el equilibrio entre calidad, eficiencia energética y funcionalidad.

La sede de GRUPO MCI, ubicada en las proximidades del Aeropuerto Internacional de Barcelona, cuenta con unas instalaciones de más de 8.000 m².

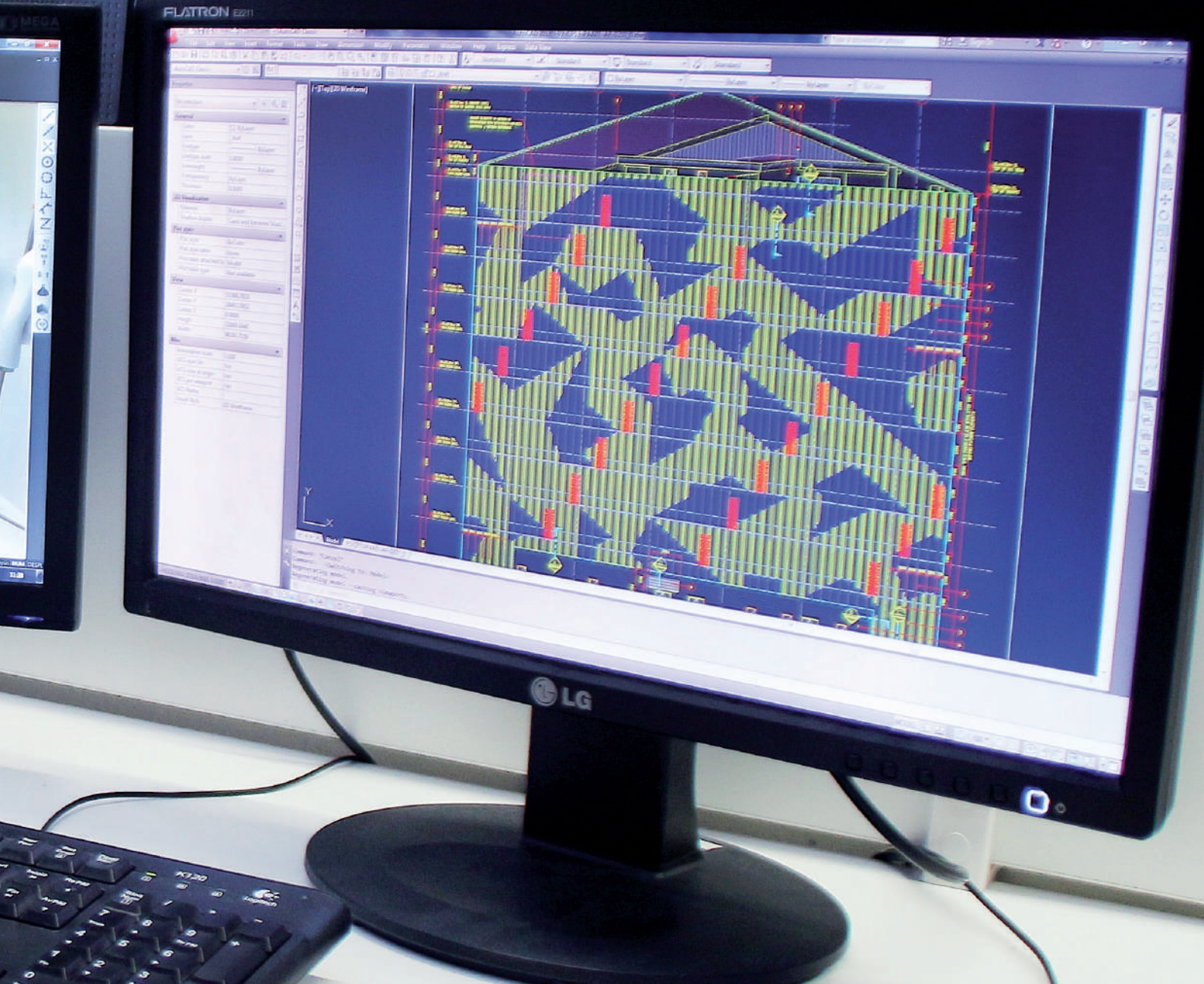


RELATIONSHIP WITH OUR PARTNERS AND CUSTOMERS

We work closely with professional partners such as lighting designers, architects, engineers, and interior designers to provide a wide range of indoor and outdoor lighting products, many of which can be custom designed to fit their specific applications.

We want to provide a new lighting experience to our customers, using the latest technology in all our products, to facilitate transforming their creative vision into a delivered reality.

Lighting strengthens the brand and reinforces the brand experiences.



RELACIÓN CON NUESTROS SOCIOS Y CLIENTES

Trabajamos estrechamente con los profesionales del sector, así como lighting designers, arquitectos, ingenieros, y diseñadores de interiores, para proporcionar una amplia gama de productos estándar, algunos de los cuales pueden ser customizados para poder adaptarse a las necesidades específicas del cliente.

Con el fin de transformar espacios en ambientes únicos, nuestros productos incorporan la tecnología LED más sofisticada y avanzada, para crear experiencias lumínicas exclusivas.

La iluminación fortalece marcas y refuerza las experiencias que el cliente tiene con ellas.

WHAT MAKES US DIFFERENT

We have a solid R+D+i Department team that maintains direct contact with their customers based on a high standard of service and trust built over the past 50 years.

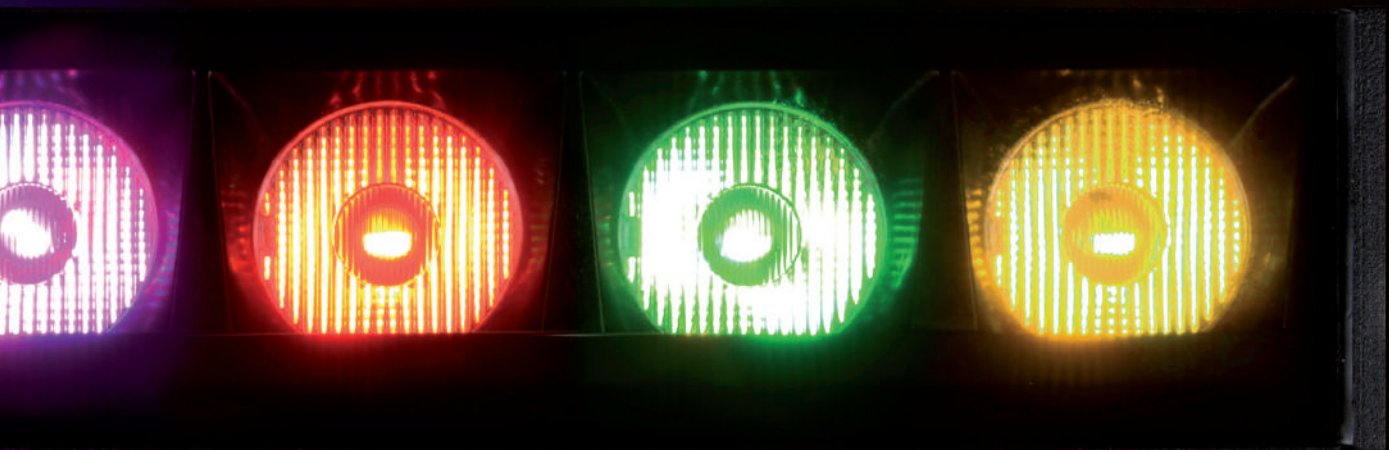
The R+D+i Department is comprised of mechanical engineers, electrical engineers, and product designers specialized in the research of high performance luminaires and development of innovative fixtures to meet the project specifications and requirements, while maintaining maximum energy efficiency and functionality on each project.

QUÉ NOS HACE DIFERENTES

Disponemos de un sólido Departamento de I+D+i, en el que se establecen relaciones directas con los clientes, basadas en el servicio y la confianza de casi 50 años de experiencia.

El Departamento de I+D+i está formado por ingenieros mecánicos y electrónicos, y diseñadores especializados en la investigación de luminarias de alto rendimiento, y desarrollo de productos innovadores que se adaptan a las especificaciones y requerimientos de cada obra para conseguir la máxima eficiencia energética y funcionalidad en los proyectos.







QUALITY CONTROL, OUR PRIORITY

The excellent technological level obtained by the company in the development and manufacturing of the products have enabled GRUPO MCI to obtain quality standard certificates, like ISO 9001 for quality management and CB certificates for the conformity assessment of electrical, electronic products and components.

Maintaining our quality certifications worldwide is key to the on-going success of the business. We must always remain vigilant of quality standards, due to the heavily regulated and competitive nature of the industry, and the high expectations of our customers.

CONTROL DE CALIDAD, NUESTRA PRIORIDAD

El excelente nivel tecnológico que hemos obtenido en el desarrollo y fabricación de nuestros productos, nos ha permitido obtener los certificados de calidad estándar, así como la normativa ISO 9001 de gestión de calidad y los certificados CB para la evaluación de la conformidad de productos eléctricos, electrónicos y componentes.

El mantenimiento de las certificaciones de calidad en todo el mundo es fundamental para el continuo éxito de la empresa, debido a las exigencias de los mercados y las altas expectativas de los clientes.



MCI LIGHT

MCI LIGHT is focused brand mainly to provide new lighting experience to the customers, using the latest technology in all our products, to facilitate transforming their creative vision into a delivered reality.

Our knowledge, combined with the latest technological innovations creates unique products, which represent our brand in the world market.

Manufactured in Gavà (Barcelona) and with the capacity to customize them for each customer with a high level of efficiency and quality (Custom made).

MCI LIGHT

MCI LIGHT, focalizada principalmente en ofrecer nuevas experiencias lumínicas con el fin de transformar espacios en ambientes únicos. Nuestros productos incorporan la tecnología LED más sofisticada y avanzada, para crear experiencias lumínicas únicas.

El Know-How adquirido a lo largo de todos estos años, combinado con innovación tecnológica, hacen posible la creación y fabricación de productos exclusivos que representan nuestra marca mundialmente.

Fabricación propia en Gavà (Barcelona) y con la capacidad de hacerlos a medida para cada cliente/proyecto con un alto nivel de eficacia y calidad (Custom made).



**THINK GLOBAL
ACT LOCAL**

GRUPO MCI is present in over 85 countries with more than 100 local supplying distributors all over the world.

On a national domestic level GRUPO MCI has a sales force and distribution network throughout Spain, where our customers are able to get excellent customer service and support.

**PENSAMIENTO GLOBAL
ACTUACIÓN LOCAL**

GRUPO MCI está presente en más de 85 países, ofreciendo a sus clientes un servicio con prestaciones de garantía y apoyo técnico, a través de sus más de 100 distribuidores a nivel mundial.

A nivel nacional, disponemos de representantes en todas las comunidades del país, así como una amplia red comercial interna, a través de la cual, nuestros clientes disfrutan de un excelente servicio.



**W Barcelona Hotel
Barcelona, SPAIN**



**Chicago Riverwalk
Chicago, USA**



**Bolívar Square
Maracay, VENEZUELA**



**URBO Business Center
Matosinhos, PORTUGAL**



**Underpasses
Tangier, MOROCCO**



● Barcelona Headquarters

● Subsidiaries: Middle East
Latam

● Distributors



Førde Town Hall
NORWAY



Polnocna Gallery
Warsaw , POLAND



Lumini Shopping Center
Varaždin, CROATIA



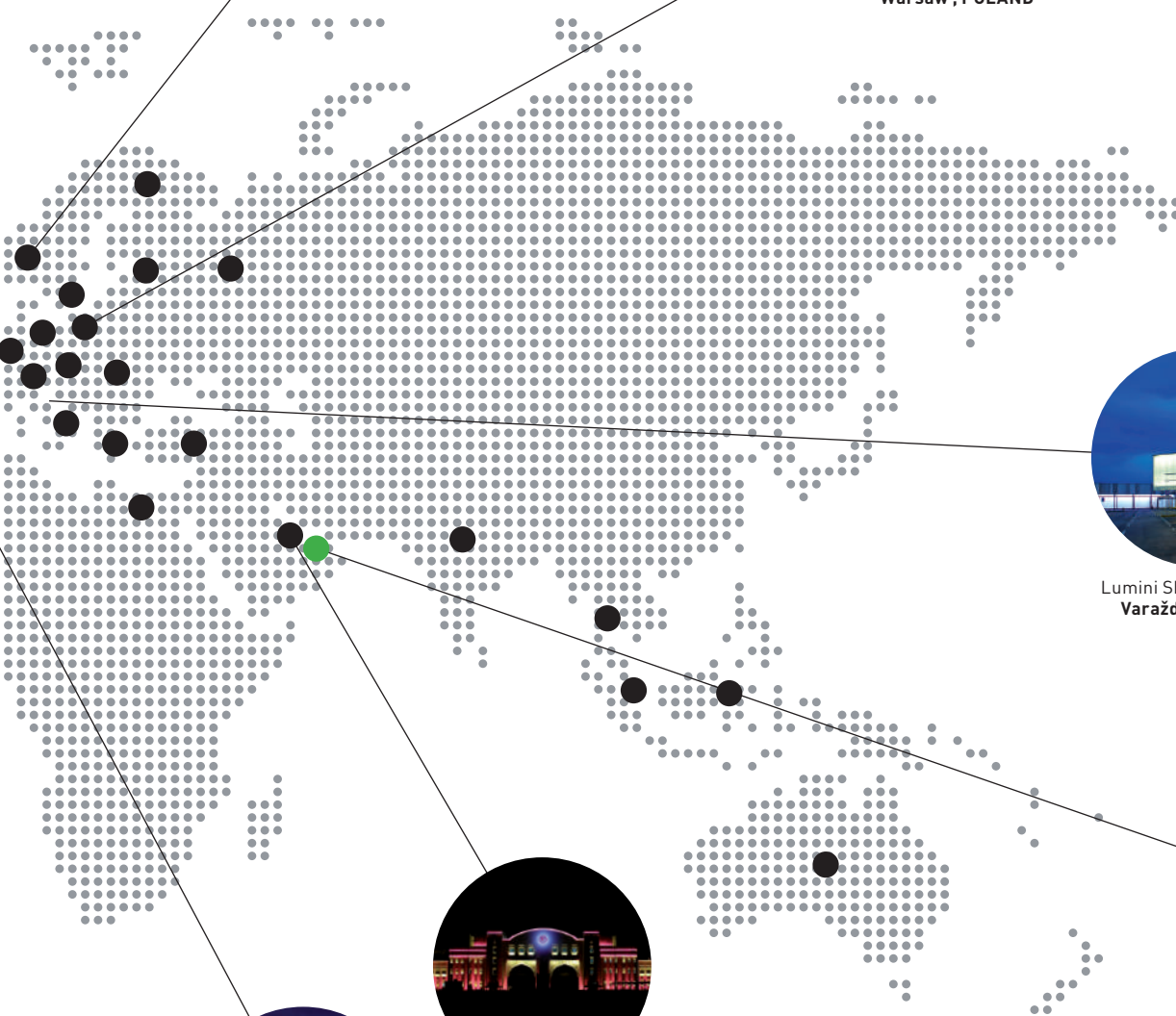
DAMAC Heights
Dubai, UAE



ISF
Doha , QATAR



Royal Walls of Ceuta
Ceuta , SPAIN



CUSTOM MADE METHODOLOGY

CUSTOM MADE METHODOLOGY

In order to satisfy the needs and requirements of all our customer and projects, our R+D+i team meets daily to review requests and then develops a submittal drawing and quotation based on your inquiry.

We can frequently incorporate tooled components, light engines, and other elements from our standard product line into custom products to minimize cost.

We work with you to develop your concept and provide additional drawings, 3D renderings, sample parts or even a sample fixture to ensure you're comfortable with the proposed product.

MCI LIGHT likes to offer customized solutions to ensure successful lighting projects. Success for our clients is success for us.

Our work, together with our many partners, designing customized luminaires based in project specific solutions during the last years, has given us the opportunity to realize one of the most complete catalogues focused on architectural lighting.

METODOLOGÍA CUSTOM MADE

Con el fin de satisfacer las necesidades y requerimientos de todos nuestros clientes y proyectos, nuestro equipo de I+D+i se reúne constantemente para revisar sus peticiones y poder desarrollar propuestas y presupuesto para los clientes.

Con frecuencia personalizamos nuestra línea de productos estándar para que se ajuste al máximo a las necesidades del cliente, minimizando de esta forma el coste de este tipo de petición.

Trabajamos de forma conjunta con el cliente para desarrollar el concepto y proporcionar dibujos adicionales, renders 3D y muestras, para asegurarnos de que la solución lumínica que se está llevando a cabo satisface la idea del cliente.

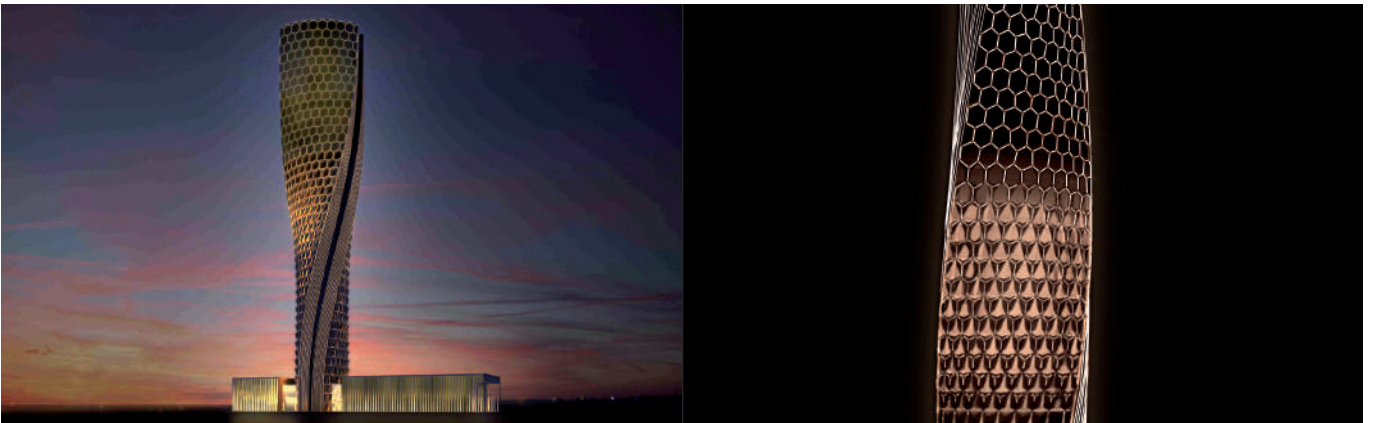
Nos gusta ofrecer soluciones únicas para que el resultado final sea todo un éxito. El éxito de los clientes es nuestro éxito.

El trabajo conjunto con nuestros partners a lo largo de estos años, diseñando luminarias custom made basadas en soluciones ad-hoc, nos ha dado la oportunidad de tener, posiblemente, el catálogo más completo en iluminación arquitectural.

CASE STUDIES



Polnocna Gallery
Warsaw, POLAND.



Doha Port,
Doha, QATAR.



Qatar Handball Association Complex,
Doha, QATAR.

The shopping mall Galería Północna has been designed by renowned APA Wojciechowski and Moshe Tzur Architects studios, offers 64,800 sqm of fashion and entertainment for the visitors. The facility also meets the highest ecological standards, confirmed by pre-certification of LEED Gold rating level.

MCI LIGHT, together with the well know lighting design studio LDC Lighting Design Collective from Madrid designed and manufactured a custom-made linear lighting projector in RGBW, for a individual LED control, to be integrated between the internal perimeter floors of the building atrium.

The product that suits perfectly into the architectural design, offers a powerful and efficient wall washing effects.

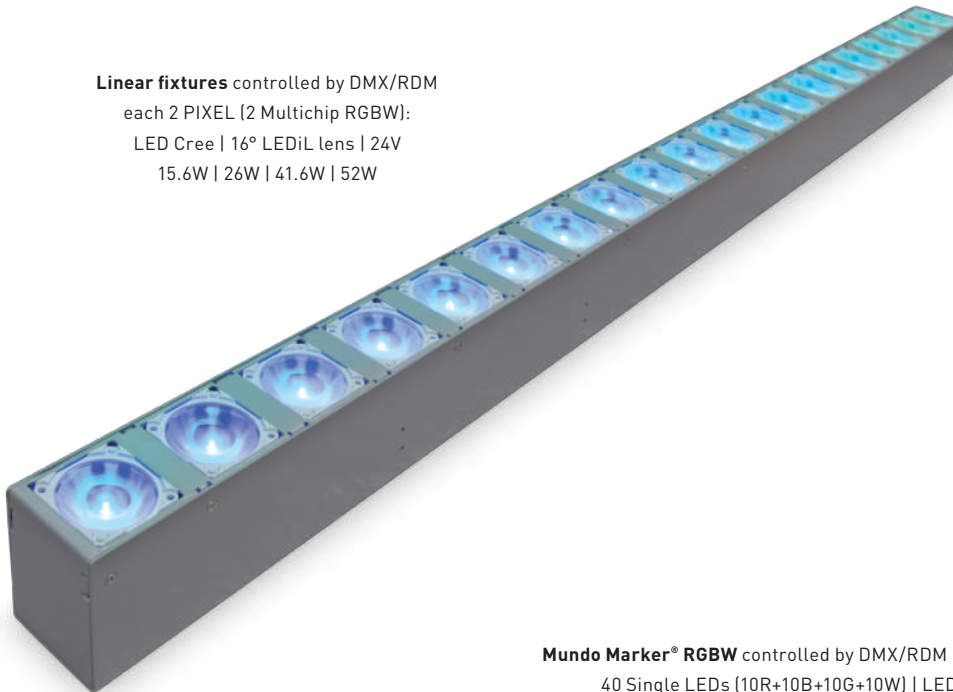
Also, to create a decorative and interactive lighting effects with changing color at one of the main entrance of the shopping mall, 650 uplights Mundo Marker® were installed.

El centro comercial Galería Północna ha sido diseñado por los conocido estudios de arquitectura APA Wojciechowski and Moshe Tzur Architects studios, y cuenta con una superficie de 64,800 m².

MCI LIGHT, juntamente con el conocido estudio de iluminación de Madrid LDC Lighting Design Collective, fueron los encargados de diseñar un proyector lineal RGBW en varios tamaños, potencias, y con un ángulo de 16°, para integrarse en el perímetro interior de los forjados del atrio del centro comercial y crear una iluminación indirecta uniforme de alto rendimiento. La luminaria se diseñó para ser controlable punto a punto a través del sistema de control DMX/RDM, y poder crear de esta manera diferentes escenarios lumínicos. En total se fabricaron e instalaron unos 530 proyectores.

Además, en el suelo de una de las entradas principales del centro comercial se instalaron 650 empotrables de suelo LED Mundo Marker® RGBW con difusor opal, para crear también efectos de luz decorativos con cambio de color.

Linear fixtures controlled by DMX/RDM
 each 2 PIXEL (2 Multichip RGBW):
 LED Cree | 16° LEDiL lens | 24V
 15.6W | 26W | 41.6W | 52W



Mundo Marker® RGBW controlled by DMX/RDM (4 channels):
 40 Single LEDs (10R+10B+10G+10W) | LED Cree
 Milky glass | 230V | 5W | 644 units





Investor · Developer · Owner
GTC Group

Architect
APA Wojciechowski and Moshe Tzur Architects

Lighting Designer
LDC Lighting Design Collective, Madrid

Virtual Reality
ReVR Studio, Madrid

Interactive Digital Content
UNSTATIC Technologies

Qatar is currently constructing a new container port located between the municipalities of Al Wakrah and Mesaieed, south of Doha. The new port is set to replace the existing Doha Port.

MCI LIGHT won a lighting project tender designed by the well-known Architectural Lighting Design company, Visual Energy, in order to manufacture the lighting fixtures for one of the most emblematic buildings in this area; the Control Tower.

The twisted architectural form is encased in a complicated and changeable geometric skin. The shapes and forms adjust as the tower twists and turns, which has also been reflected in the way the building is illuminated.

The Indirect lighting design by Visual Energy was hidden behind the skin structures have been custom made, from intense light from the bottom, fading out towards the top. This has been contrasted with direct light following the hexagonal shapes at the top, slowly cascading and fading out towards the bottom. Enhancing the depth and complexity of this iconic structure.

The luminaire designed and developed with the full support and integration of the Lighting Designer and contractors to light up the infrastructure is LedFloodStrip® Dotfree. A linear lighting fixture for outdoor (IP66) applications designed to provide decorative lighting effects which are mainly characterized by its small size, low power consumption and easy installation. In total 5.200 meters of LedFloodStrip® Dotfree in different sizes and powers will be installed.

Also, 4.500 meters of SmartLedFlex® will be used to provide a high performance homogenous light to highlight the perimeters of the buildings

Both LedFloodStrip® Dotfree and SmartLedFlex® are perfect luminaire for decorative architectural lighting projects due to it provides a homogeneous high-performance to light exterior buildings impressively.

Qatar está construyendo un nuevo puerto de contenedores situado entre los municipios de Al Wakrah y Mesaieed, al sur de Doha. El nuevo puerto está pensado para reemplazar el puerto existente de Doha.

Para iluminar uno de los edificios más emblemáticos de la zona, la Torre de Control, MCI LIGHT ganó un concurso para fabricar las luminarias que diseñó la prestigiosa empresa de Diseño de Iluminación Arquitectural, Visual Energy.

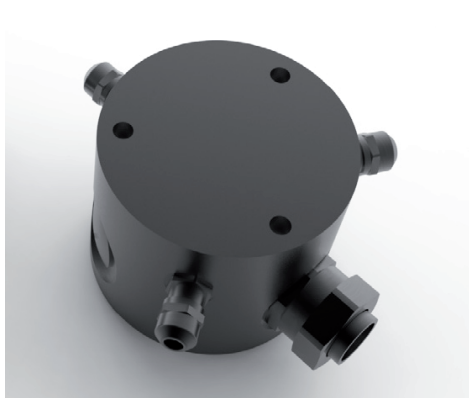
La forma y silueta del edificio se ajusta con los giros y vueltas de la torre, que también se refleja en la forma en la que se tiene que iluminar el edificio. Para ello el proyecto lumínico se ha estructurado en diferentes partes.

Para iluminar la forma arquitectónica trenzada del edificio de 110 metros de altura, envuelta en una piel geométrica compleja y cambiante, se instalará la luminaria flexible SmartLedFlex®, y una luminaria custom made diseñada por Visual Energy, LedFloodStrip® Dotfree.

Para la iluminación indirecta oculta detrás de las estructuras, Visual Energy con el apoyo del contratista, diseñó la luminaria LedFloodStrip® Dotfree con la idea que la luz intensa de la parte inferior vaya desapareciendo hacia la parte superior. Esto ha sido contrastado con la luz directa siguiendo las formas hexagonales en la parte superior, en cascada lentamente y desapareciendo hacia el fondo. Esta iluminación nos ayudará a realzar la profundidad y complejidad de esta estructura icónica. En total se han fabricado 5.200 metros de LedFloodStrip® Dotfree, en diferentes medidas y potencias.

Además, para iluminar el perímetro de ambos lados del edificio se instalarán alrededor de 4.500 metros de SmartLedFlex®.

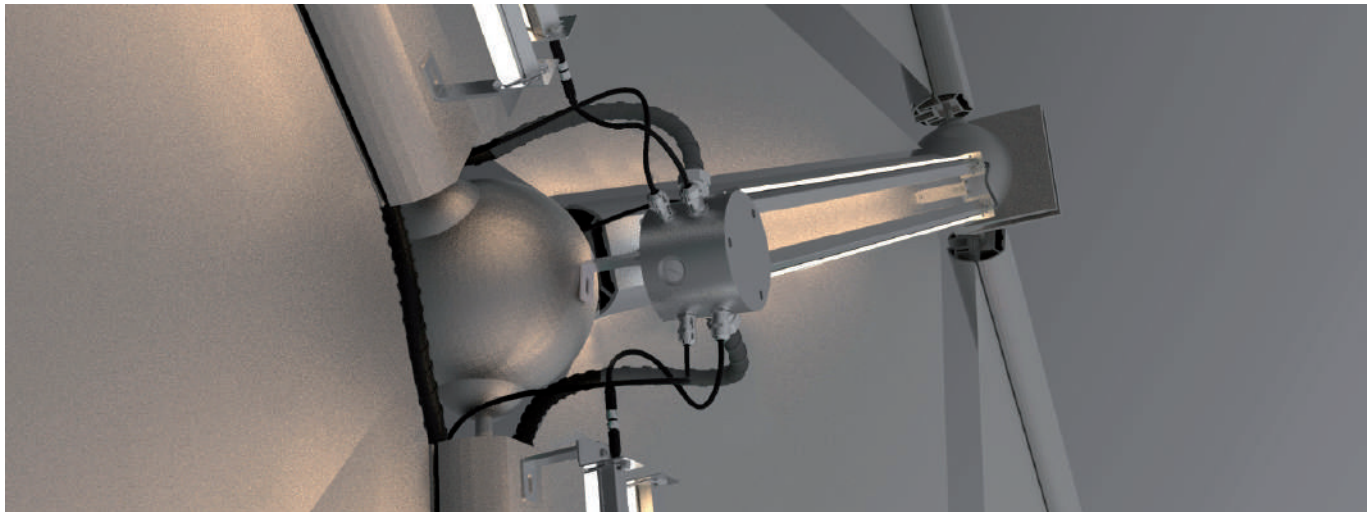
Tanto SmartLedFlex® como LedFloodStrip® Dotfree son dos soluciones lumínicas perfectas para proyectos de iluminación arquitectural decorativa ya que proporcionan una luz homogénea de alto rendimiento para la iluminación de edificios de manera impactante.

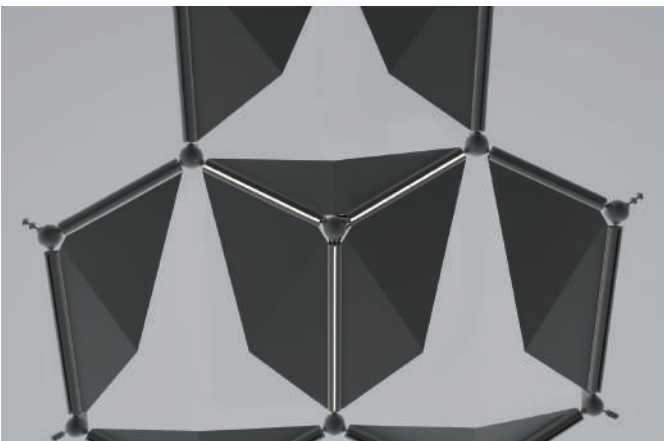
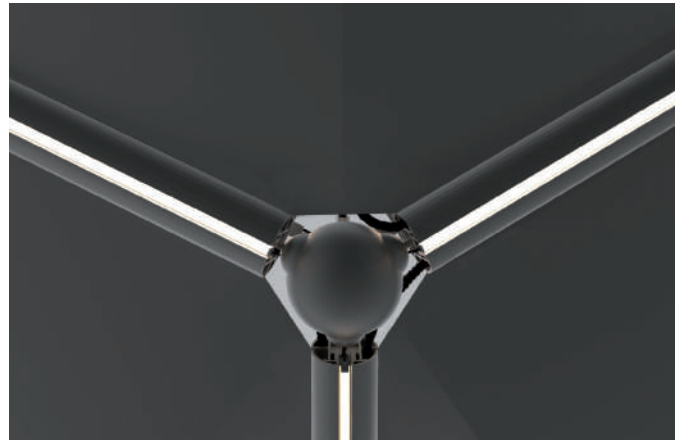


Junction Box
Type 1



Junction Box
Type 2





Lighting Designer
Visual Energy

Program Management Consultant
AECOM

Consulting Architect
PLP Architecture

Engineering Design Consultant
Worley Parsons

Sub-Consultant
Royal Haskoning

Building Design Consultant
Arab Engineering Bureau

**CUSTOM MADE SOLUTION:
SPECIAL BRACKETS**

Qatar Handball Association Complex, Doha, QATAR

MCI LIGHT presents one of our latest projects carried out in Doha (Qatar) in 2015. The project consisted of lighting the building facade and outdoor area of the newly built Qatar Handball Association Complex (Lekhwiya, Doha); this was one of three stadiums built for the twenty-fourth edition of the World Men's Handball Championship, which took place from 15th of January to the 1st of February 2015.

As requested by the client, our project department was commissioned to make accurate lighting calculations to try to reduce the number of luminaires in the project, without altering the uniformity and quality of the lighting effect.

The luminaires selected for the project were; Square Grazer® 66x2, SmartLedFlex®, LedFloodStrip® and Linear Flex® Ultra Plus.

One of the peculiarities of the project were the special brackets that MCI LIGHT designed in order to place all the projectors, Square Grazer® 2x66, on a light pole. The shape of the brackets were developed based on the lighting calculations that were performed and helped to define the angles required for each bracket in order to achieve the desired lighting effect of the projectors across the façades without light pollution.

MCI LIGHT les presenta uno de los proyectos más emblemáticos del 2015, y que llevamos a cabo en Doha (Qatar). Se trata del proyecto lumínico de la fachada y exteriores del nuevo Qatar Handball Association Complex (Lekhwiya, Doha). Uno de los tres estadios que se construyeron en Doha para celebrar la vigésimo cuarta edición del Campeonato Mundial de Balonmano Masculino, del 15 de enero al 1 de febrero de 2015.

Tal y como solicitaba el cliente el departamento de proyectos de MCI LIGHT se encargó de realizar cálculos lumínicos muy precisos para intentar ajustar al máximo el número de luminarias en el proyecto sin alterar la uniformidad y calidad de la iluminación en el complejo.

Las luminarias que se seleccionaron para ejecutar el proyecto fueron; Square Grazer® 66x2, SmartLedFlex®, LedFloodStrip® y Linear Flex® Ultra Plus.

Una de las peculiaridades de este proyecto fueron unos brackets fijos especiales que se tuvieron que diseñar para colocar los Square Grazer® 66x2, iban instalados en la parte superior de unos báculos. La forma de los brackets vino dada por los cálculos lumínicos que se realizaron, y que fueron los que definieron cuantos grados tenían que estar orientados cada uno de ellos, para conseguir que la luminaria ofreciera la uniformidad deseada por el cliente y que no hubiera contaminación lumínica.



Client
Private Engineering Office

LEAD Designer
IGH Otto Baric Architecture

Lighting Designer
Diana Galic · Nova-Lux

Local Consultant
WSP Middle East Group

Client Representative
Hill International (supervision)

Main Contractor
Redco Construction - Al Mana

MEP Contractor
Voltas Limited

Photography
Bee Global

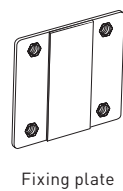
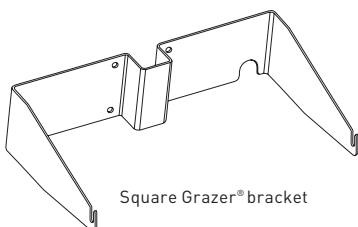
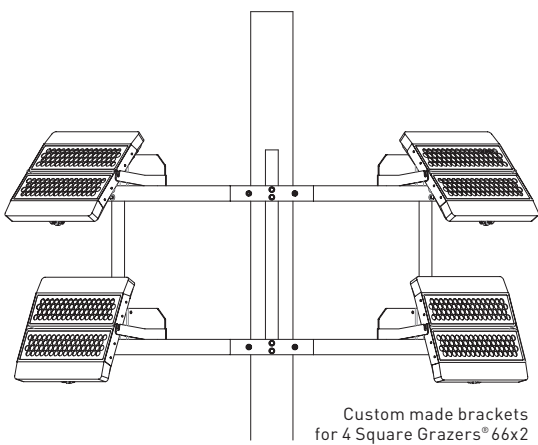
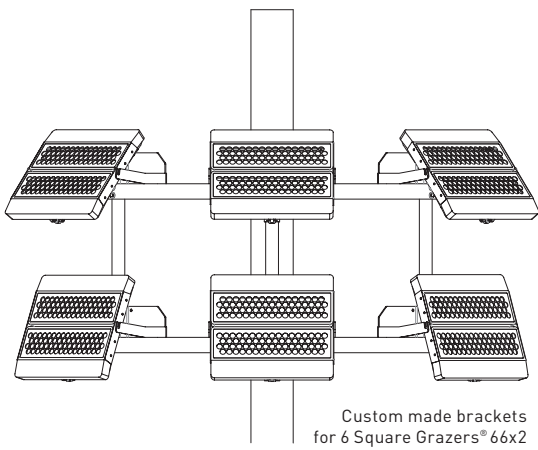


MCI LIGHT offered personalized technical support before, during, and after the execution of the project, to ensure correct installation of the entire system. This includes:

- Operation Manual
- Maintenance Manual
- Training Manual

MCI LIGHT ofreció al cliente soporte técnico personalizado antes y durante la ejecución del proyecto para asegurar el buen funcionamiento de toda la instalación. Esto incluyó:

- Manual de operaciones
- Manual de mantenimiento
- Manual de formación



Hotel W,
Barcelona, Spain





SMARTLED FLEX[®]

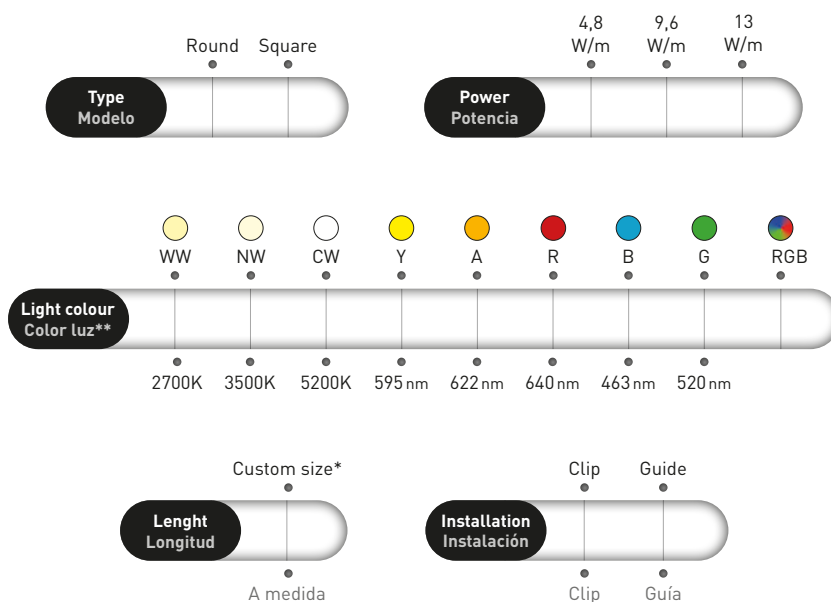
SIDE FLEX



SMARTLEDFLEX® PAT.

SIDEFLEX (9,6 W/m – 13 W/m)

- Light to highlight architecture
 - Homogenous light without visible dots
 - Beam angle 270°
 - Up to 380 lm/m
 - Flexible linear body
 - Round or square shape
 - Up to 10 meters per line
- Luz para dibujar la arquitectura
 - Luz uniforme sin puntos visibles
 - Ángulo de apertura 270°
 - Hasta 380 lm/m
 - Cuerpo lineal flexible
 - Sección redonda o cuadrada
 - Hasta 10 metros por línea



* Lengths up to 8 m (RGB), 10 m (monocolor-9,6W/m) and 7 m (monocolor-13W/m).
Longitudes hasta 8 m (RGB), 10 m (monocolor-9,6W/m) y 7 m (monocolor-13W/m).

** Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS
CARACTERÍSTICAS

IP66 IP67	IP67 M/F connector	IK10	Dimmable	24V DC	III	Silicone	HEAT SHOCK tested	Saltwater resistant	UV protected	Ta min -20°C -4°F Ta +50°C max +122°F	CE
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SmartLedFlex® 9,6 W/m									
Color temperatures	2700 K	3500K	5200 K	Yellow	Amber	Red	Blue	Green	RGB
Power (1 m)	9,6 W	9,6 W	9,6 W	4,8 W	4,8 W	4,8 W	9,6 W	9,6 W	12 W
Lumens output (1 m)	155 lm	225 lm	280 lm	96 lm	137 lm	47 lm	21 lm	98 lm	127 lm
Luminaire efficiency	16 lm/W	24 lm/W	29 lm/W	20 lm/W	28 lm/W	10 lm/W	2 lm/W	10 lm/W	10,6 lm/W
Cutting unit	50 mm	50 mm	50 mm	100 mm	100 mm	100 mm	50 mm	50 mm	400 mm

SmartLedFlex® 13 W/m			
Color temperatures	2700 K	3500K	5200 K
Power (1 m)	13 W	13 W	13 W
Lumens output (1 m)	210 lm	305 lm	380 lm
Luminaire efficiency	16 lm/W	24 lm/W	29 lm/W
Cutting unit	50 mm	50 mm	50 mm



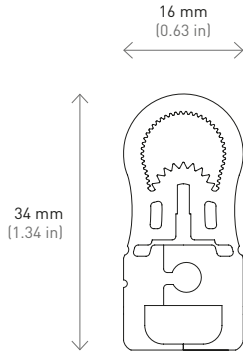
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

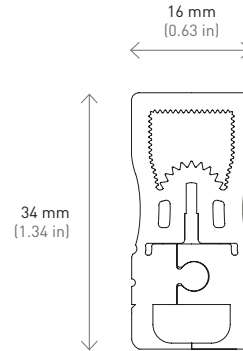
KSU Gates,
Riyadh, Saudi Arabia

**MEASURES
MEDIDAS**

**SmartLedFlex®
Round**



**SmartLedFlex®
Square**



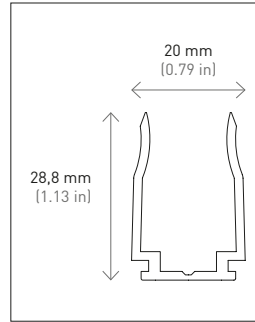
Full scale.
Escala real.



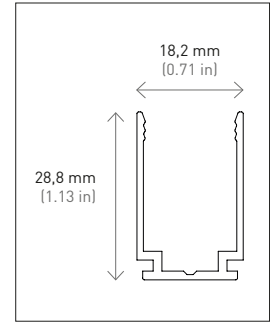
SmartLedFlex® Round with guide profile.
SmartLedFlex® Redondo con perfil guía.



SmartLedFlex® Square with guide profile.
SmartLedFlex® Cuadrado con perfil guía.



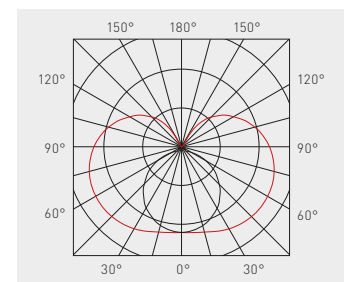
Polycarbonate guide profile.
Perfil guía policarbonato.



Aluminium guide profile.
Perfil guía aluminio.

**LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS**

The cone diagram is not represented because of the beam angle is over 180°.
Los diagramas cónicos no están representados al tener un ángulo de apertura superior a 180°.



Data calculated with **SmartLedFlex® Round** (1000 mm).
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **SmartLedFlex® Round** (1000 mm).
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

DETAILS
DETALLES



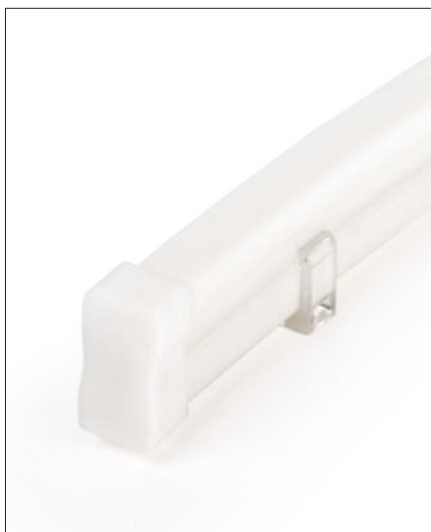
Easy IP67 connection for SmartLedFlex® custom size.
Fácil conexión IP67 para SmartLedFlex® a medida.



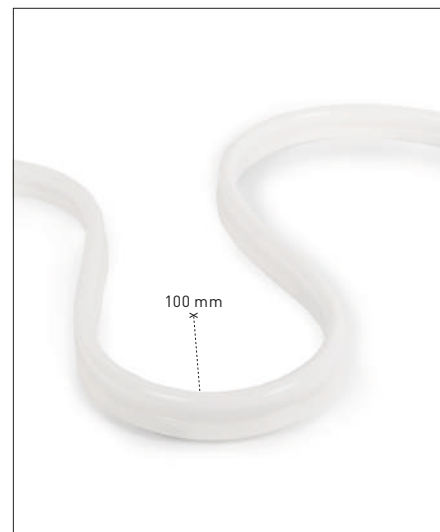
IP67 connector.
Conector IP67.



Due to tolerances of the production process the total lengths could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.



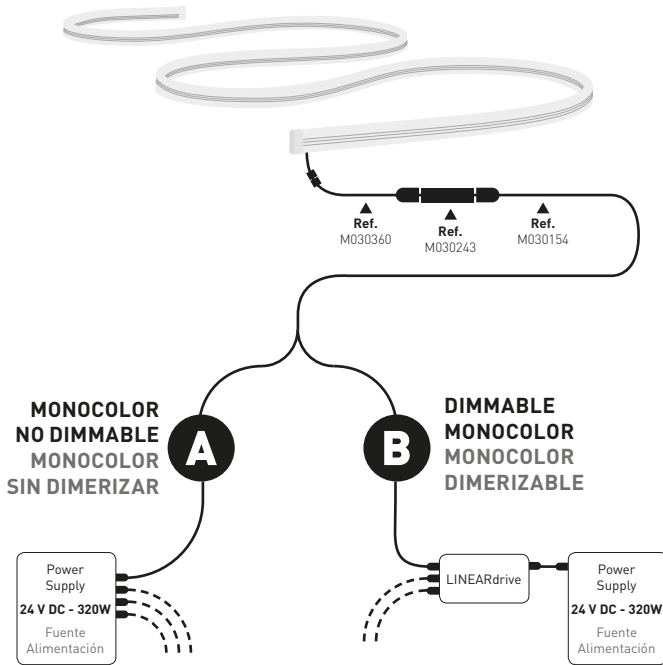
Fixation clip.
Clip de sujeción.



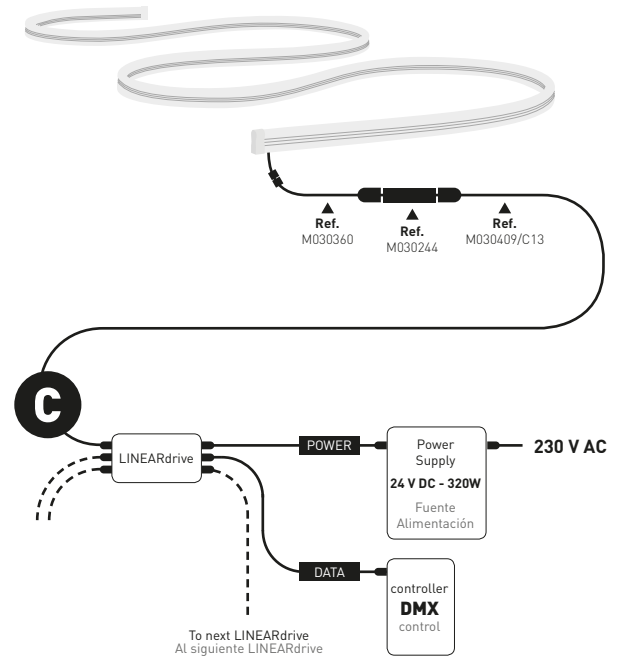
Minimum bending radius 100 mm.
Radio mínimo de curvatura 100 mm.

CONNECTIONS
CONEXIONES

SmartLedFlex® Monocolor



SmartLedFlex® RGB



A

MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

9,6 W/m ○○○●●●
Maximum 3 reels of 10 m (or 6 of 5 m.) in parallel connection to PSU 24 V DC - 320W (max. 30 m). Maximum 5 m from the power supply to the first SmartLedFlex®.

Máximo 3 bobinas de 10 m. (o 6 de 5 m.) en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 30 m). Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex®.

4,8 W/m ●●●●●○
Maximum 6 reels of 10 m (or 12 of 5 m.) in parallel connection to PSU 24 V DC - 320W (max. 60 m). Maximum 5 m from the power supply to the first SmartLedFlex®.

Máximo 6 bobinas de 10 m. (o 12 de 5 m.) en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 60 m). Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex®.

13 W/m ○○○○●●
Maximum 3 reels of 7 m in parallel connection to PSU 24 V DC - 320W (max. 20 m). Maximum 5 m from the power supply to the first SmartLedFlex®.

Máximo 3 bobinas de 7 m en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 20 m). Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex®.

B

DIMMABLE WITH LINEARdrive 720
DIMERIZABLE CON LINEARdrive 720

9,6 W/m ○○○●●●
Maximum 3 reels of 10 m (or 6 of 5 m) in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 30 m). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 10 m (o 6 de 5 m) conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 30 m). Máximo 5 m desde la fuente de alimentación a la primera bobina.

4,8 W/m ●●●●●○
Maximum 6 reels of 10 m (or 12 of 5 m) in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 60 m). Maximum 5 m from the power supply to the first reel connection.

Máximo 6 bobinas de 10 m (o 12 de 5 m) conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 60 m). Máximo 5 m desde la fuente de alimentación a la primera bobina.

13 W/m ○○○○●●
Maximum 3 reels of 7 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 20 m). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 7 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 20 m). Máximo 5 m desde la fuente de alimentación a la primera bobina.

C

RGB
RGB

12 W/m ●●●○●●
Maximum 3 reels of 8 m. (max. 24 m) in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 8 m. (máx. 24 m) conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación a la primera bobina.

CUTTING SIZE REFERENCES
REFERENCIAS CORTE A MEDIDA

7211 X 0 X /XX/XXX

LIGHT COLOR COLOR LUZ

/70/2K7 2700K
/70/3K5 3500K
/70/5K2 5200K
/07 Yellow Amarillo
/04 Amber Ambar
/03 Red Rojo
/09 Blue Azul
/08 Green Verde
/11 RGB

POWER POTENCIA

0 4,8 W/m – 9,6 W/m – 12 W/m*
2 13 W/m**

TYPE MODELO

0 Round Monocolor
1 Square Monocolor
2 Round RGB
3 Square RGB

* Lengths up to 8 m (RGB-12W/m) y 10 m (monocolor-9,6W/m).
 Longitudes hasta 8 m (RGB-12W/m) y 10 m (monocolor-9,6W/m).

** Power only available in white colors and up to 7 m maximum.
 Potencia sólo disponible en colores blancos y hasta 7 m máximo.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	50 mm	9,6 W	10 m
	100 mm	4,8 W	10 m
	400 mm	12 W	8 m
	50 mm	13 W	7 m

Lengths must be compatible with cutting units.
 Las longitudes tienen que ser compatibles con las unidades de corte.

Due to tolerances of the production process the color temperatures could change slightly.
 Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

Due to tolerances of the production process the total lengths could change slightly.
 Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.

CUTTING SIZE OPTIONS
OPCIONES CORTE A MEDIDA

The standard version is delivered with IP67 connector (0,2m wire).
 La versión estándar se suministra con conector IP67 (cable 0,2m).

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M130122	Polycarbonate guide profile (2m) (For monocolor & RGB)	Perfil guía policarbonato (2m) (Para monocolor y RGB)	1
M130071/C12	Aluminium guide profile (2m) (For monocolor)	Perfil guía aluminio (2m) (Para monocolor)	
M130340	Fixation clip	Clip sujeción	2
M030360	Power cable 70 cm	Cable alimentación 70 cm	3
	For monocolor installation.	Para instalación monocolor.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	4
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
	For RGB installation.	Para instalación RGB.	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)	5
M030409/C13	5 x 0,75 mm ² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm ² (RGB Slave)	

To control the luminaires via Bluetooth see page 312
 Para controlar las luminarias via Bluetooth consultar página 312

Futbol Club Barcelona Store,
Barcelona, Spain



Lighting designer: Manuel Santolaria



SMARTLEDFLEX®

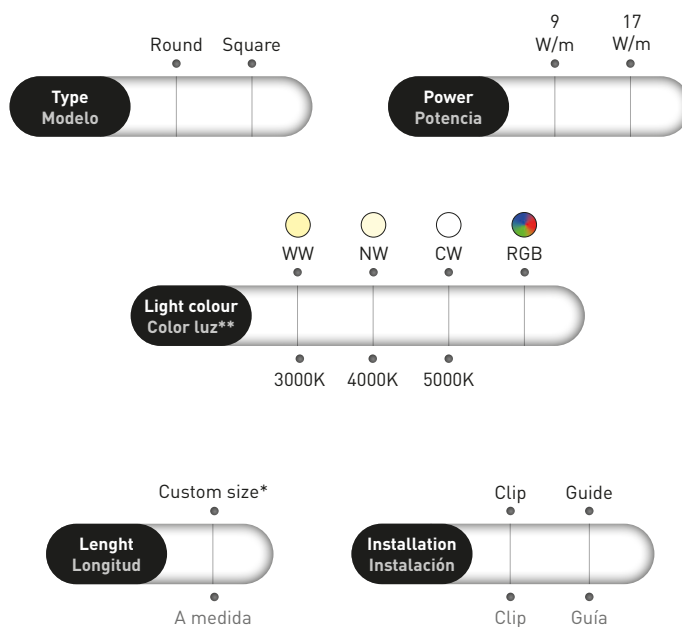
TOPFLEX



SMARTLEDFLEX® PAT.

TOPFLEX (9 W/m – 17 W/m)

- Light to highlight architecture
 - Homogenous light without visible dots
 - Beam angle 120°
 - Up to 865 lm/m
 - Flexible linear body
 - Round or square shape
 - Up to 10 meters per line
- Luz para dibujar la arquitectura
 - Luz uniforme sin puntos visibles
 - Ángulo de apertura 120°
 - Hasta 865 lm/m
 - Cuerpo lineal flexible
 - Sección redonda o cuadrada
 - Hasta 10 metros por línea



* Lengths up to 6m (RGB), 10m (monocolor -9 W/m) and 5m (monocolor -17 W/m).
Longitudes hasta 6m (RGB), 10m (monocolor-9 W/m) y 5m (monocolor -17 W/m).

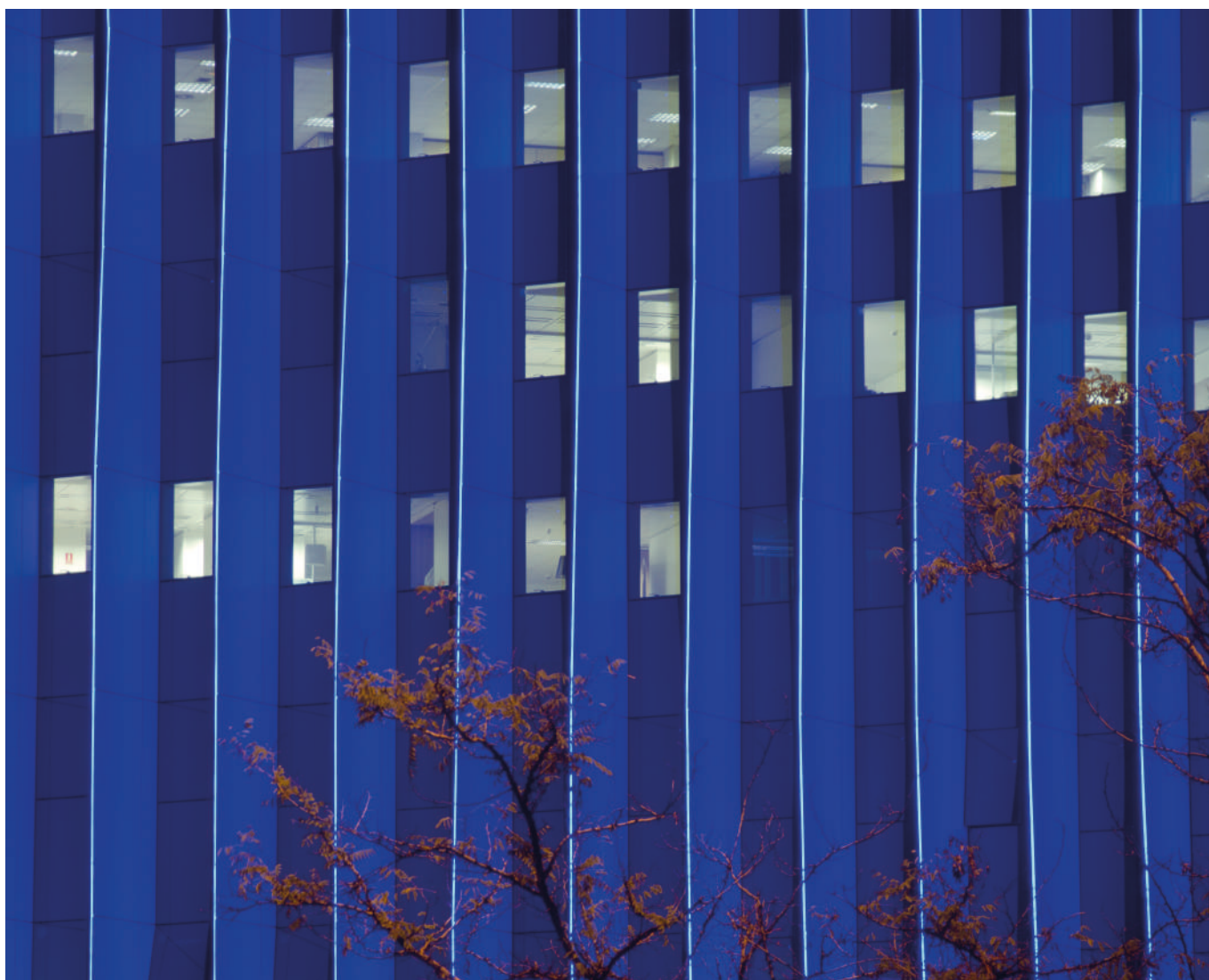
** Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS
CARACTERÍSTICAS

IP66 IP67	IP67 M/F connector	IK10	CRI 80	Dimmable	24V DC	III	Silicone	HEAT SHOCK tested	Saltwater resistant	UV protected	Ta min -20°C -4°F Ta max +50°C +122°F	CE
--------------	--------------------------	------	--------	----------	-----------	-----	----------	-------------------------	------------------------	-----------------	--	----

SmartLedFlex® Topflex 9 W/m			
Power (1 m)	9 W	9 W	9 W
Color temperatures	3000 K	4000K	5000 K
Lumens output (1 m)	458 lm	458 lm	458 lm
Luminaire efficiency	51 lm/W	51 lm/W	51 lm/W
Cutting unit	55,5 mm	55,5 mm	55,5 mm

SmartLedFlex® Topflex 17 W/m							
Power (1 m)	17 W	17 W	17 W	16 W			
Color temperatures	3000 K	4000K	5000 K	R	G	B	R+G+B
Lumens output (1 m)	865 lm	865 lm	865 lm	40 lm	215 lm	44 lm	250 lm
Luminaire efficiency	51 lm/W	51 lm/W	51 lm/W	16 lm/W			
Cutting unit	55,5 mm	55,5 mm	55,5 mm	400 mm			



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

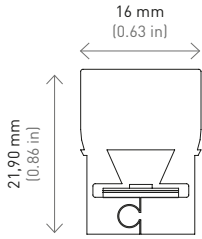
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Mutua Madrileña,
Madrid, Spain

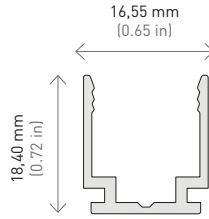
**MEASURES
MEDIDAS**

**SmartLedFlex® Topflex
Square**

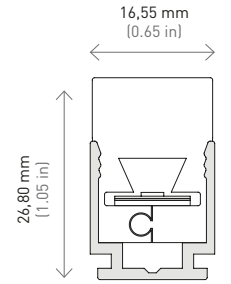
Full scale.
Escala real.



Luminaire
Luminaria

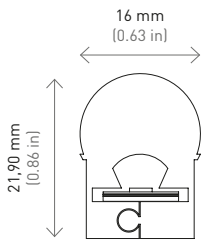


Guide profile
Perfil guía

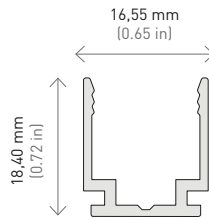


Luminaire + guide profile
Luminaria + perfil guía

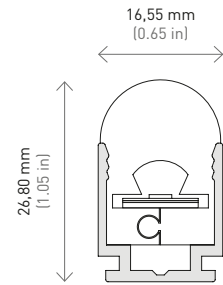
**SmartLedFlex® Topflex
Round**



Luminaire
Luminaria



Guide profile
Perfil guía

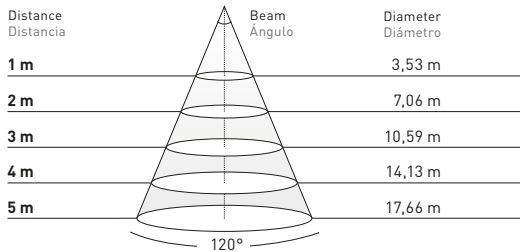


Luminaire + guide profile
Luminaria + perfil guía

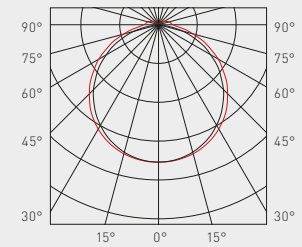
**LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS**

SLF® Topflex

9W

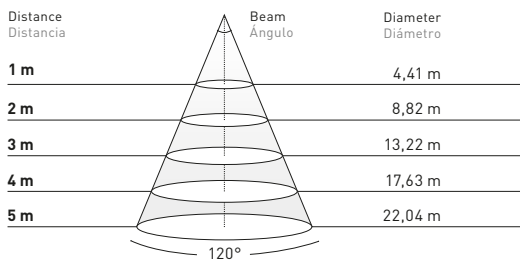


3000K WARM WHITE BLANCO CÁLIDO	4000K NEUTRAL WHITE BLANCO NEUTRO	5000K COOL WHITE BLANCO FRÍO
137 lux	137 lux	137 lux
34 lux	34 lux	34 lux
15 lux	15 lux	15 lux
9 lux	9 lux	9 lux
5 lux	5 lux	5 lux

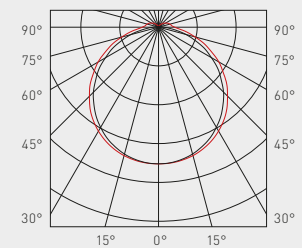


SLF® Topflex RGB

16W



R RED ROJO	G GREEN VERDE	B BLUE AZUL	R+G+B
12,5 lux	65 lux	13 lux	76 lux
2,5 lux	16 lux	3,75 lux	19 lux
1,3 lux	7,5 lux	1,8 lux	9 lux
1,3 lux	3,8 lux	1,8 lux	5 lux
0 lux	2,5 lux	0 lux	2,5 lux



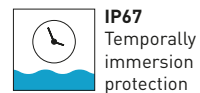
Data calculated with **SmartLedFlex® Topflex** (1000 mm).
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at **www.mclight.com**.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **SmartLedFlex® Topflex** (1000 mm).
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en **www.mclight.com**.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

DETAILS
DETALLES



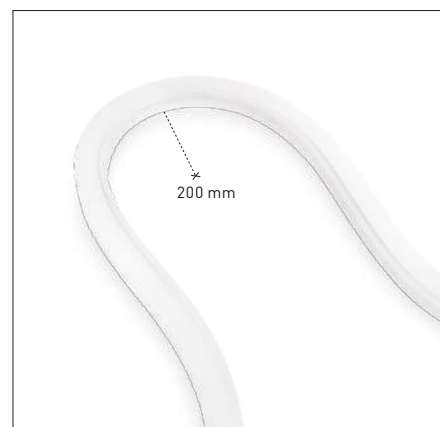
Easy IP67 connection for SmartLedFlex® Topflex custom size.
Fácil conexión IP67 para SmartLedFlex® Topflex a medida.



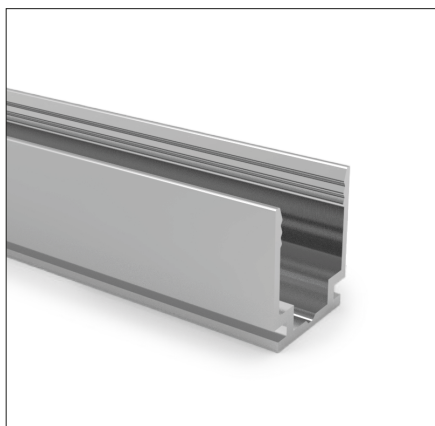
IP67 connector.
Conector IP67.



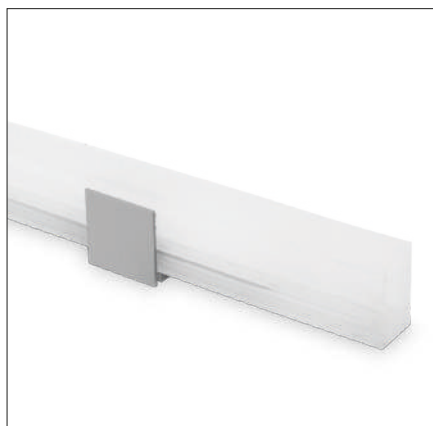
Due to tolerances of the production process the total lengths could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.



Minimum bending radius 200 mm.
Radio mínimo de curvatura 200 mm.



Guide profile for SmartLedFlex® Topflex.
Perfil guía para SmartLedFlex® Topflex.



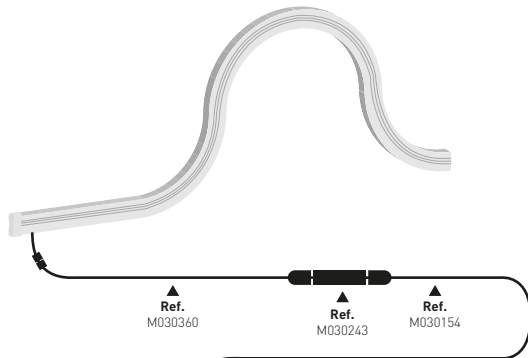
Fixation clip.
Clip de sujeción.



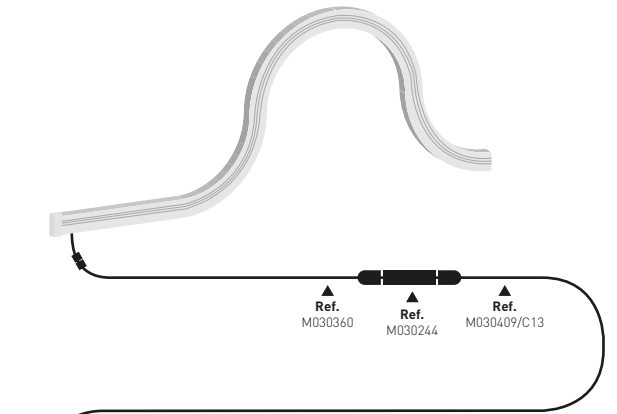
Fixation clip.
Clip de sujeción.

MONOCOLOR CONNECTIONS
CONEXIONES MONOCOLOR

SmartLedFlex® Monocolor



SmartLedFlex® RGB



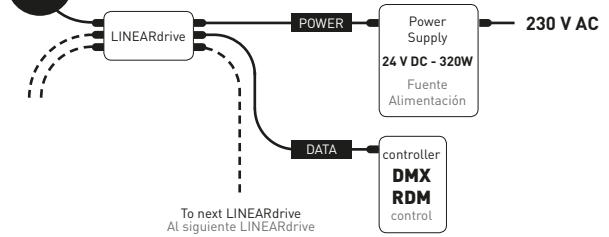
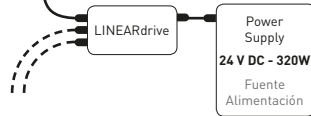
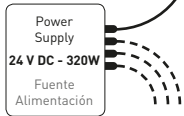
MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

A

DIMMABLE MONOCOLOR
MONOCOLOR DIMERIZABLE

B

C



A

MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

9 W/m



Maximum 3 reels of 10 m (or 6 of 5 m.) in parallel connection to PSU 24 V DC - 320W (max. 30 m). Maximum 5 m from the power supply to the first SmartLedFlex® Topflex.

Máximo 3 bobinas de 10 m. (o 6 de 5 m.) en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 30 m). Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex® Topflex.

17 W/m



Maximum 3 reels of 5 m in parallel connection to PSU 24 V DC - 320W (max. 20 m). Maximum 5 m from the power supply to the first SmartLedFlex® Topflex.

Máximo 3 bobinas de 5 m en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 20 m). Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex® Topflex.

B

DIMMABLE WITH LINEARdrive 720
DIMERIZABLE CON LINEARdrive 720

9 W/m



Maximum 3 reels of 10 m (or 6 of 5 m) in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 30 m). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 10 m (o 6 de 5 m) conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 30 m). Máximo 5 m desde la fuente de alimentación a la primera bobina.

17 W/m



Maximum 3 reels of 5 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 20 m). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 5 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 20 m). Máximo 5 m desde la fuente de alimentación a la primera bobina.

C

RGB
RGB

16 W/m



Maximum 3 reels of 6 m. (max. 18 m) in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W). Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 6 m. (máx. 18 m) conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación a la primera bobina.

CUTTING SIZE REFERENCES REFERENCIAS CORTE A MEDIDA

7213 **X** **0** **X** **/XX/XX**

LIGHT COLOR		COLOR LUZ	
/80/3K	3000K		
/80/4K	4000K		
/80/5K	5000K		
/11	RGB		

POWER		POTENCIA*	
1	9 W/m (Monocolor)		
2	16 W/m (RGB) -17 W/m (Monocolor)		

TYPE		MODELO	
0	Round Monocolor		
1	Square Monocolor		
2	Round RGB		
3	Square RGB		

CUTTING SIZE OPTIONS OPCIONES CORTE A MEDIDA

The standard version is delivered with IP67 connector (0,2m wire).
La versión estándar se suministra con conector IP67 (cable 0,2m).

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	55,5 mm	9 W	10 m
	55,5 mm	17 W	5 m
	400 mm	16 W	6 m

Lengths must be compatible with cutting units.
Las longitudes tienen que ser compatibles con las unidades de corte.

Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

Due to tolerances of the production process the total lengths could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M130073/C12	Aluminium guide profile (2m)	Perfil guía aluminio (2m)	1
M130099/C12	Fixation clip (for SmartLedFlex Topflex)	Clips sujeción (para SmartLedFlex Topflex)	2
M030360	Power cable 70 cm	Cable alimentación 70 cm	3
	For monocolor installation.	Para instalación monocolor.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	4
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
	For RGB installation.	Para instalación RGB.	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)	5
M030409/C13	5 x 0,75 mm ² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm ² (RGB Slave)	

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312



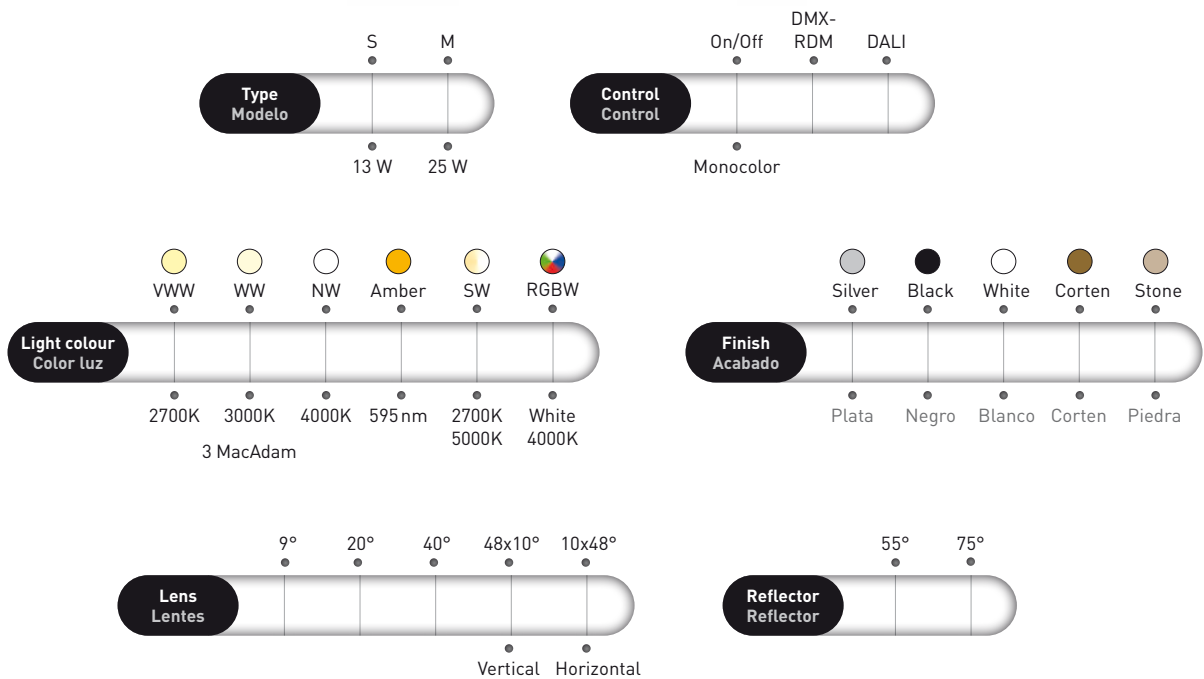


SQUARE S&M



SQUARE S&M

- Architectural accent lighting
 - Luminous flux range from 500 lm to 2000 lm
 - Variety of types: Monocolor, RGBW & SW
 - Anti-glare recessed optics
 - 7 beam angles: 9°, 20°, 40°, 48x10°, 10x48°, 55° and 75°
 - Flush cable gland
 - Swivel (360°) and adjustable (180°) projector
 - Integrated driver
 - Easy serial connection
 - Thermal management certificate
- Luz para acentuar la arquitectura
 - Flujos lumínicos de 500 lm a 2000 lm
 - Gran variedad de modelos: Monocolor, RGBW y SW
 - Ópticas antideslumbrantes retranqueadas
 - 7 ángulos de apertura: 9°, 20°, 40°, 48x10°, 10x48°, 55° y 75°
 - Prensaestopas enrasado
 - Proyector rotable (360°) y ajustable (180°)
 - Equipo integrado en la luminaria
 - Fácil conexión en serie
 - Test térmico certificado



The standard version: 9° lens or 75° reflector.
Versión estándar: con lente de 9° o reflector de 75°.

The standard version: On/Off control (Monocolor) and DMX-RDM control (Smart White & RGBW).
Versión estándar: con control On/Off (Monocolor) y control DMX-RDM (Smart White y RGBW).

SPECIFICATIONS
CARACTERÍSTICAS

IP65	CRI>80	100-240V AC		on/off	DMX RDM	DALI	AL Housing	Security GLASS Cover	Ta min -20°C -4°F Ta max +50°C +122°F	CE
------	--------	-------------	--	--------	---------	------	------------	----------------------	--	----

SQUARE "S"										
Measures / Weight	78 x 180 x 42 mm / 0,550 kg									
Power	13 W / 4 LEDs	13 W / 4 LEDs	13 W / 4 LEDs	15 W / 16 LEDs	15 W / 16 LEDs	15 W / 16 LEDs				
Color temperatures	2700K	3000K	4000K	Amber	Smart White 2700K - 5000K	RGBW				
						Red	Green	Blue	4000K	R+G+B+W
Lumen output	9° - 831 lm 20° - 724 lm 40° - 652 lm 10x48° - 717 lm 55° - 768 lm 75° - 804 lm	9° - 880 lm 20° - 767 lm 40° - 691 lm 10x48° - 760 lm 55° - 813 lm 75° - 851 lm	9° - 978 lm 20° - 852 lm 40° - 768 lm 10x48° - 844 lm 55° - 903 lm 75° - 946 lm	9° - 907 lm 20° - 796 lm 40° - 716 lm 10x48° - 785 lm 55° - 835 lm 75° - 878 lm	9° - 569 lm / 670 lm 20° - 502 lm / 590 lm 40° - 452 lm / 532 lm 10x48° - 493 lm / 580 lm 55° - 525 lm / 618 lm 75° - 552 lm / 650 lm	9° - 135 lm 20° - 119 lm 40° - 107 lm 10x48° - 117 lm 55° - 124 lm 75° - 130 lm	135 lm 221 lm 199 lm 218 lm 232 lm 244 lm	91 lm 80 lm 81 lm 77 lm 82 lm 86 lm	335 lm 295 lm 266 lm 290 lm 309 lm 325 lm	759 lm 668 lm 601 lm 660 lm 702 lm 737 lm
Luminaire efficiency	65 lm/W	69 lm/W	77 lm/W	60 lm/W	83 lm/W	52 lm/W				

SQUARE "M"										
Measures / Weight	139 x 180 x 42 mm / 0,850 kg									
Power	25 W / 8 LEDs	25 W / 8 LEDs	25 W / 8 LEDs	27 W / 32 LEDs	27 W / 32 LEDs	27 W / 32 LEDs				
Color temperatures	2700K	3000K	4000K	Amber	Smart White 2700K - 5000K	RGBW				
						Red	Green	Blue	4000K	R+G+B+W
Lumen output	9° - 1662 lm 20° - 1448 lm 40° - 1304 lm 10x48° - 1434 lm 55° - 1536 lm 75° - 1608 lm	9° - 1760 lm 20° - 1534 lm 40° - 1382 lm 10x48° - 1520 lm 55° - 1626 lm 75° - 1702 lm	9° - 1956 lm 20° - 1704 lm 40° - 1536 lm 10x48° - 1688 lm 55° - 1806 lm 75° - 1892 lm	9° - 1814 lm 20° - 1592 lm 40° - 1432 lm 10x48° - 1570 lm 55° - 1670 lm 75° - 1756 lm	9° - 1138lm/1340lm 20° - 1004lm/1180lm 40° - 904lm/1064lm 10x48° - 986lm/1160lm 55° - 1050lm/1236lm 75° - 1104lm/1300lm	9° - 270 lm 20° - 238 lm 40° - 214 lm 10x48° - 234 lm 55° - 248 lm 75° - 260 lm	504 lm 442 lm 398 lm 436 lm 464 lm 488 lm	182 lm 160 lm 162 lm 154 lm 164 lm 172 lm	670 lm 590 lm 532 lm 580 lm 618 lm 650 lm	1518 lm 1336 lm 1202 lm 1320 lm 1404 lm 1474 lm
Luminaire efficiency	66 lm/W	70 lm/W	78 lm/W	65 lm/W	84 lm/W	56 lm/W				



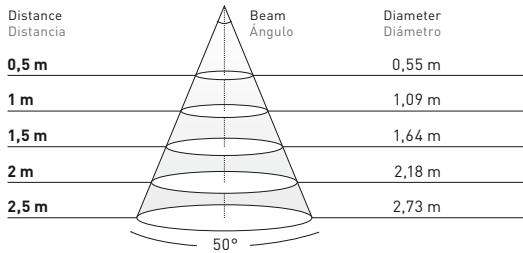
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

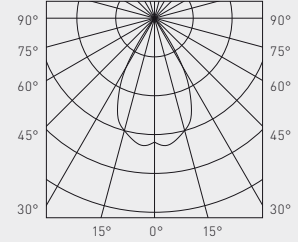
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Square® S RGBW

15 W 55°

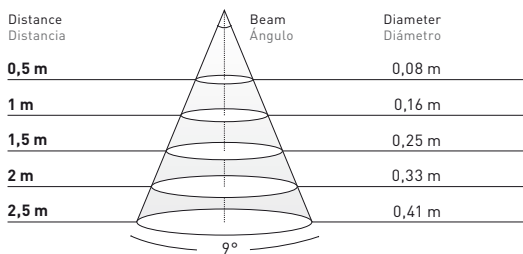


R	G	B	W	R+G+B+W
RED ROJO	GREEN VERDE	BLUE AZUL	WHITE BLANCO	
599 lux	1118 lux	379 lux	1497 lux	3426 lux
150 lux	279 lux	99 lux	374 lux	856 lux
67 lux	124 lux	44 lux	166 lux	381 lux
37 lux	70 lux	25 lux	94 lux	214 lux
24 lux	45 lux	16 lux	60 lux	137 lux

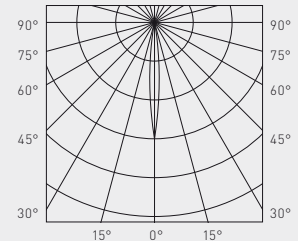


Square® S

13 W 9°

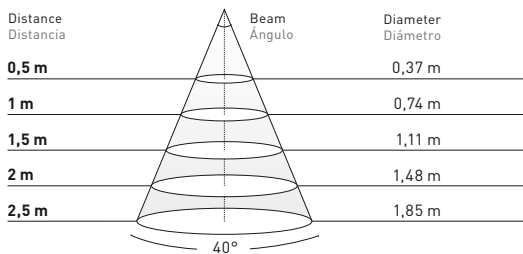


2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
68646 lux	72684 lux	80760 lux
17162 lux	18171 lux	20190 lux
7627 lux	8076 lux	8973 lux
4291 lux	4543 lux	5048 lux
2745 lux	2907 lux	3230 lux

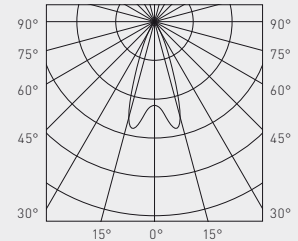


Square® S

13 W 40°

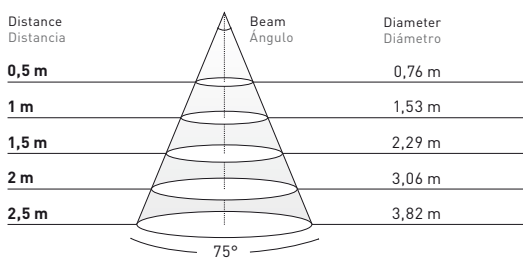


2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
4893 lux	5181 lux	5757 lux
1223 lux	1295 lux	1439 lux
544 lux	576 lux	640 lux
306 lux	324 lux	360 lux
195 lux	207 lux	230 lux

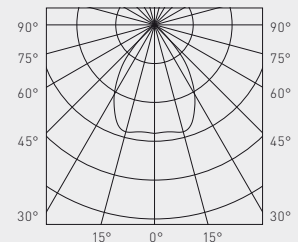


Square® S

13 W 75°



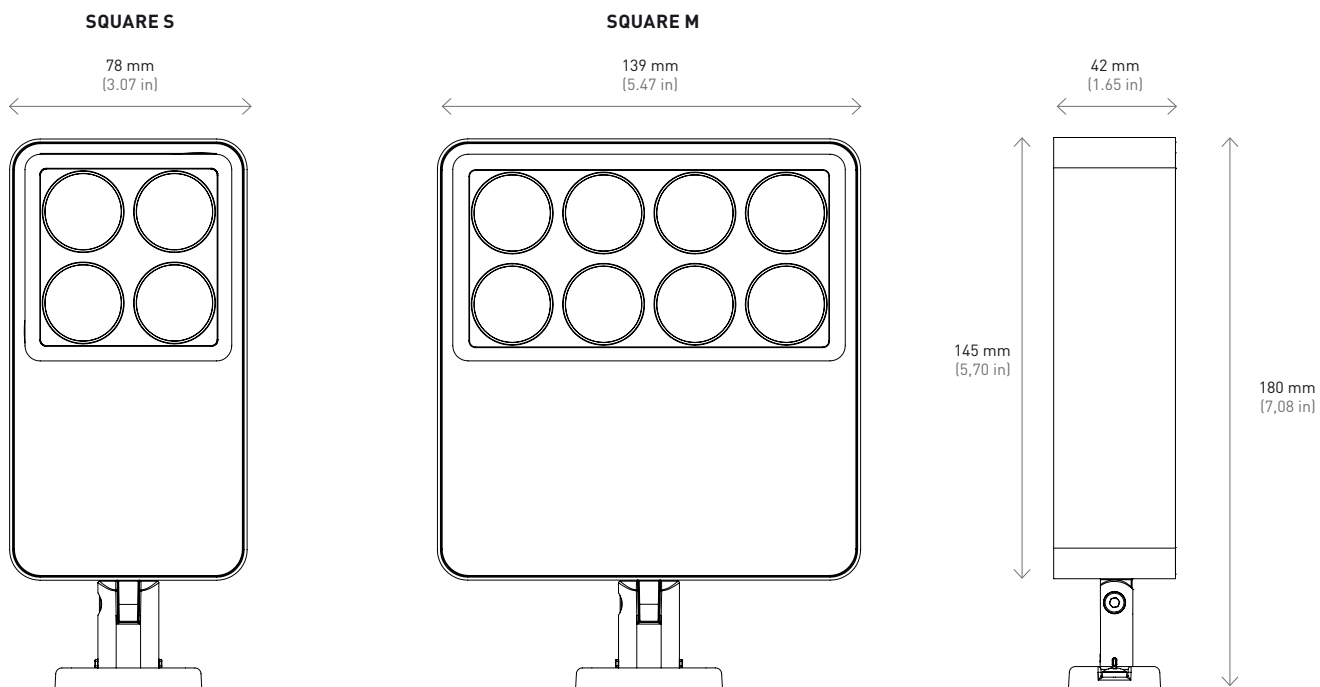
2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
2494 lux	2641 lux	2934 lux
624 lux	661 lux	734 lux
277 lux	293 lux	326 lux
155 lux	165 lux	183 lux
99 lux	105 lux	117 lux



Data calculated with **SQUARE S&M**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

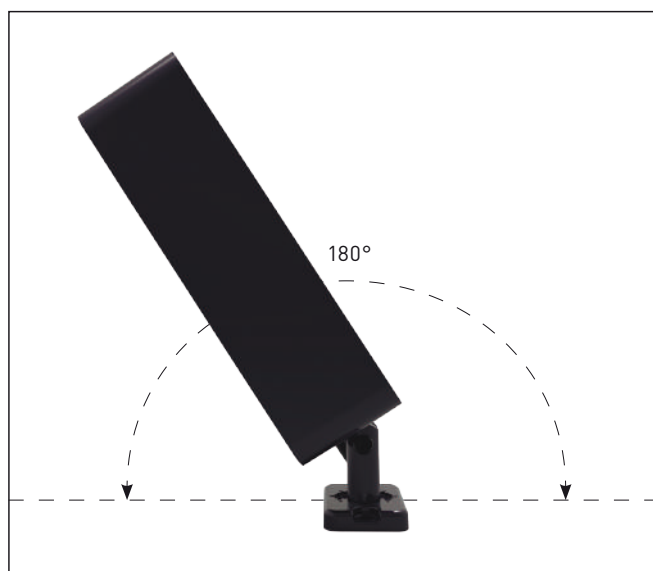
Datos calculados con **SQUARE S&M**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**MEASURES
MEDIDAS**



**ROTATION
ROTACIÓN**

Its elegant and sophisticated design allow us to illuminate to all directions with an exact precision, due to its tool head, movable in horizontal and vertical way. Su diseño elegante y sofisticado nos permite iluminar en todas direcciones con una precisión exacta, gracias a su cabezal orientable en horizontal y vertical.



Swivel (360°) and adjustable (180°) projector.
Proyector rotatable (360°) y ajustable (180°).

SQUARE S&M

FINISHES ACABADOS

In order to satisfy all our customers, five different versions are available: stone, silver, black, white and corten.

Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en cinco acabados: piedra, plata, negro, blanco y corten.



Micro textured stone.
Piedra micro texturizado.



Micro textured silver.
Plata micro texturizado.



Micro textured black.
Negro micro texturizado.



Micro textured white.
Blanco micro texturizado.

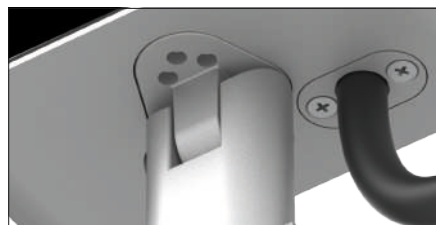


Micro textured corten.
Corten micro texturizado.

DETAILS DETALLES



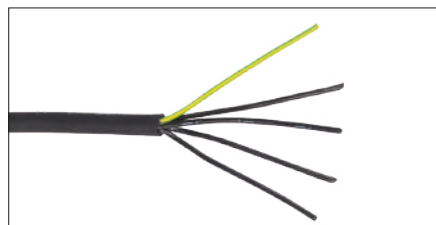
Smooth and compact design.
Diseño suave y compacto.



Hidden pressure equalize membrane.
Membrana oculta de control de presión atmosférica.

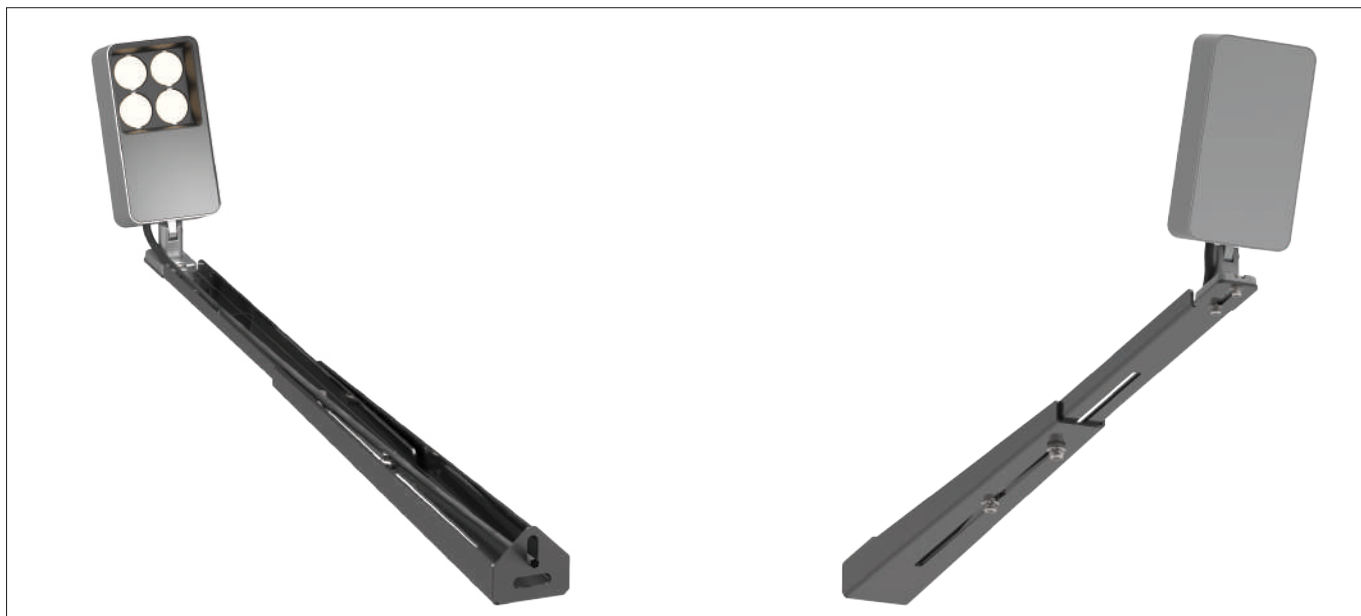


Flush cable gland.
Prensaestopas enrasado.



2m wire.
Cable de 2m.

DETAILS
DETALLES



Extensible black arm wall (50-80 cm).
Brazo pared negro extensible (50-80 cm).



Reflector engineering by Bartenbach:
55° and 75°
Reflector diseñado por Bartenbach:
55° y 75°



Anti-glare recessed optics:
(9°, 20°, 40°, 48x10° and 10x48°)
Ópticas antideslumbrantes retranqueadas:
(9°, 20°, 40°, 48x10° y 10x48°)



Plastic or 316 stainless steel spike.
Pincho de plástico o inox 316.

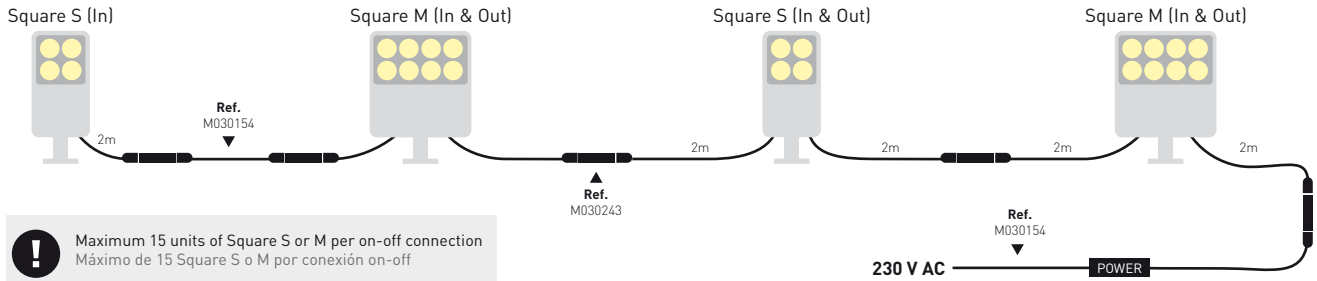
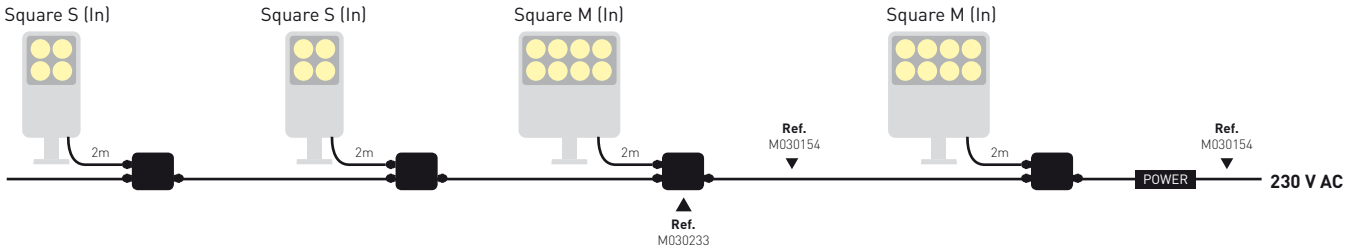


Monolithic tempered glass (5mm) ensures high security protection, stability and hardness.
Cristal de seguridad monolítico templado (5mm) que garantiza una alta protección, estabilidad y dureza.



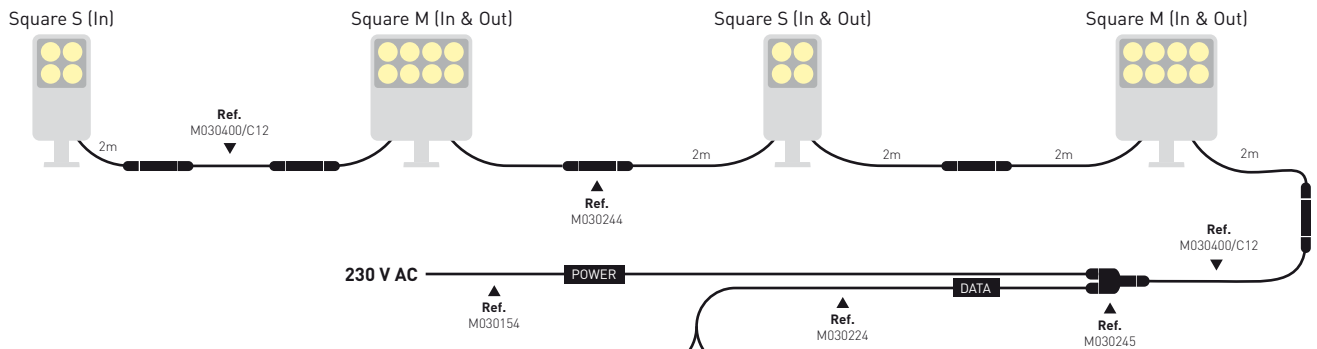
Black Visor anti-glare for Square S&M.
Visera antideslumbrante negra para Square S&M.

MONOCOLOR ON/OFF CONNECTIONS CONEXIONES ON/OFF MONOCOLOR



! Maximum 15 units of Square S or M per on-off connection
Máximo de 15 Square S o M por conexión on-off

DMX-RDM CONNECTIONS CONEXIONES DMX-RDM



**MORE THAN 15 SQUARE S&M WITH DMX-RDM.
PARA MÁS DE 15 SQUARE S&M CON DMX-RDM.**

**UP TO 15 SQUARE S&M WITH DMX-RDM.
HASTA 15 SQUARE S&M CON DMX-RDM.**



A

**MORE THAN 15 SQUARE S&M WITH DMX-RDM.
PARA MÁS DE 15 SQUARE S&M CON DMX-RDM.**

Maximum 15 SQUARE S&M per DMX-RDM output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last SQUARE S&M.

Máximo 15 SQUARE S&M por salida DMX-RDM.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último SQUARE S&M.

B

**UP TO 15 SQUARE S&M WITH DMX-RDM.
PARA MENOS DE 15 SQUARE S&M CON DMX-RDM.**

Maximum 15 SQUARE S&M per DMX-RDM controller.
Maximum 100 m from controller to last SQUARE S&M.
Follow connection diagram type **B** for DALI installations.

Máximo 15 SQUARE S&M por controlador DMX-RDM.
Máximo 100 m del controlador al último SQUARE S&M.
Para instalación DALI seguir el conexionado tipo **B**.

REFERENCES
REFERENCIAS

7502 X X X /XX/XXX

COLOUR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /04 Amber Ambar (595nm)
- /2K7-5K Smart White 2700K + 5000K
- /11-4K RGBW (4000K)

BEAM ÓPTICAS

- 0 Lens Lente
- 1 Reflector Reflector

FINISHES ACABADOS

- 0 Texturised silver Plata texturizado
- 2 Texturised black Negro texturizado
- 3 Texturised white Blanco texturizado
- 4 Texturised corten Corten texturizado
- 5 Texturised stone Texturizado Piedra

TYPE MODELO

- 0 Square S In
- 1 Square S In & Out
- 2 Square M In
- 3 Square M In & Out

OPTIONS
OPCIONES

The standard version: 9° lens or 75° reflector.
Versión estándar: con lente de 9° o reflector de 75°.

The standard version: On/Off control (Monocolor) and DMX-RDM control (Smart White & RGBW).

Versión estándar: con control On/Off (Monocolor) y control DMX-RDM (Smart White y RGBW).

CONTROL CONTROL

- On/Off (Standard: Monocolor)
- DMX-RDM (Standard: Smart White & RGBW)
- DALI

BEAM [Lens] ÁNGULO [Lente]

- 9° (Standard)
- 20°
- 40°
- 48°x 10° (Vertical)
- 10°x 48° (Horizontal)

BEAM [Reflector] ÁNGULO [Reflector]

- 55°
- 75° (Standard)

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



7502910	Plastic spike (length: 17,5 cm)	Pincho plástico (longitud: 17,5 cm)	1
7502911	Stainless 316 steel spike (length: 20 cm)	Pincho inox 316 (longitud: 20 cm)	2
7502915/C13	Extensible Black Arm Wall (50-80 cm)	Brazo pared negro extensible (50-80 cm)	3
7502900/C13	Black Visor anti-glare for Square S	Visera antideslumbrante negra para Square S	4
7502901/C13	Black Visor anti-glare for Square M	Visera antideslumbrante negra para Square M	5
	For installation On/Off	Para instalación On/Off	
M030233	Derivation box	Caja derivación	6
M030235	5 way terminal block	Regleta 5 vías	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	7
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
	For installation DMX-RDM	Para instalación DMX-RDM	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)	8
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	9
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030400/C12	3 x 1,5 mm² + 2 x AWG22 PUR Cable (m)	Cable PUR 3 x 1,5 mm² + 2 x AWG22 (m)	

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Royal Walls of Ceuta,
Ceuta, Spain



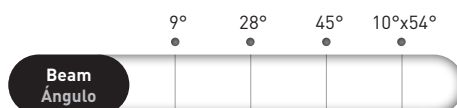
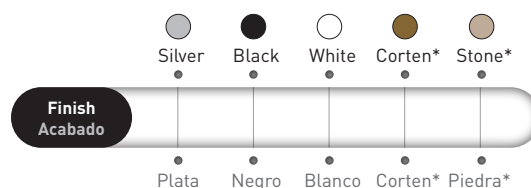
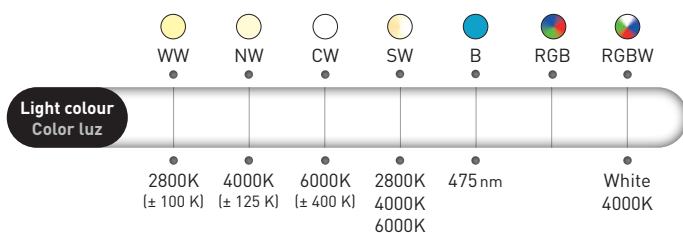
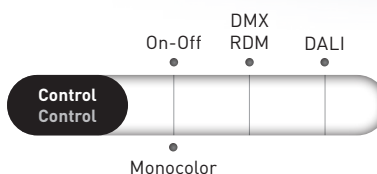
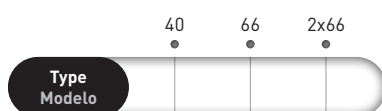


SQUARE GRAZER®

Design by artec3 Studio



- Architectural accent lighting
 - Luminous flux range from 3000 lm to 13000 lm
 - Variety of types and power (up to 160 W)
 - 4 beam angles: 9°, 28°, 45°, 10°x 54°
 - Rotable (180°) and adjustable (145°)
 - Integrated driver
 - Easy serial connection
 - Thermal management certificate
 - BIN control
- Luz para acentuar la arquitectura
 - Flujos lumínicos de 3000 lm a 13000 lm
 - Gran variedad de modelos y potencias (hasta 160 W)
 - 4 ángulos de apertura: 9°, 28°, 45°, 10°x 54°
 - Proyector rotable (180°) y ajustable (145°)
 - Equipo integrado en la luminaria
 - Fácil conexión en serie
 - Test térmico certificado
 - Control del BIN



* The corten & stone finish is only available for the 40 LEDs type.
* El acabado corten y piedra solo está disponible para el modelo de 40 LEDs.

The standard version is delivered with 28° beam.
La versión estándar se suministra con ángulo de 28°.

The standard monicolor version is delivered with control on-off and the standard RGB/RGBW/SW version is delivered with control DMX/RDM.
La versión estándar monicolor se suministra con control on-off y la versión estándar RGB/RGBW/SW se suministra con control DMX/RDM.

**SPECIFICATIONS
CARACTERÍSTICAS**

IP66	IK08	CRI>80	100-277V AC	on/off	DMX RDM	DALI		AL Housing	Security GLASS Cover	Ta min -20°C -4°F Ta max +50°C +122°F	CE
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Square Grazer® 40 LEDs							
Power	48 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 3088 lm 28° - 2955 lm 45° - 2690 lm 10°x 54° - 2889 lm	9° - 3534 lm 28° - 3382 lm 45° - 3078 lm 10°x 54° - 3306 lm	9° - 4028 lm 28° - 3855 lm 45° - 3508 lm 10°x 54° - 3768 lm	9° - 3539 lm 28° - 3387 lm 45° - 3082 lm 10°x 54° - 3310 lm	9° - 1081 lm 28° - 1034 lm 45° - 940 lm 10°x 54° - 1011 lm	9° - 2122 lm 28° - 2030 lm 45° - 1848 lm 10°x 54° - 1985 lm	9° - 2597 lm 28° - 2485 lm 45° - 2262 lm 10°x 54° - 2429 lm
Luminaire efficiency	56 to 64 lm/W	64 to 74 lm/W	73 to 84 lm/W	64 to 74 lm/W	20 to 23 lm/W	38 to 44 lm/W	47 to 59 lm/W
Measures / Weight	296 x 260 x 100 mm / 4,5 kg						

Square Grazer® 66 LEDs							
Power	79 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 5096 lm 28° - 4877 lm 45° - 4438 lm 10°x 54° - 4767 lm	9° - 5831 lm 28° - 5580 lm 45° - 5078 lm 10°x 54° - 5454 lm	9° - 6647 lm 28° - 6361 lm 45° - 5789 lm 10°x 54° - 6218 lm	9° - 5857 lm 28° - 5605 lm 45° - 5101 lm 10°x 54° - 5479 lm	9° - 1784 lm 28° - 1708 lm 45° - 1554 lm 10°x 54° - 1670 lm	9° - 3498 lm 28° - 3375 lm 45° - 3047 lm 10°x 54° - 3272 lm	9° - 4287 lm 28° - 4103 lm 45° - 3734 lm 10°x 54° - 4011 lm
Luminaire efficiency	56 to 64 lm/W	64 to 74 lm/W	73 to 84 lm/W	64 to 74 lm/W	20 to 23 lm/W	38 to 44 lm/W	47 to 59 lm/W
Measures / Weight	480 x 260 x 100 mm / 6,8 kg						

Square Grazer® 2x66 LEDs							
Power	160 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 10192 lm 28° - 9754 lm 45° - 8876 lm 10°x 54° - 9534 lm	9° - 11662 lm 28° - 11160 lm 45° - 10156 lm 10°x 54° - 10908 lm	9° - 13294 lm 28° - 12722 lm 45° - 11578 lm 10°x 54° - 12436 lm	9° - 11714 lm 28° - 11210 lm 45° - 10202 lm 10°x 54° - 10958 lm	9° - 3569 lm 28° - 3415 lm 45° - 3108 lm 10°x 54° - 3339 lm	9° - 6996 lm 28° - 6750 lm 45° - 6094 lm 10°x 54° - 6544 lm	9° - 8574 lm 28° - 8206 lm 45° - 7468 lm 10°x 54° - 8022 lm
Luminaire efficiency	56 to 64 lm/W	64 to 74 lm/W	73 to 84 lm/W	64 to 74 lm/W	20 to 23 lm/W	38 to 44 lm/W	47 to 59 lm/W
Measures / Weight	506 x 485 x 120 mm / 14 kg						



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

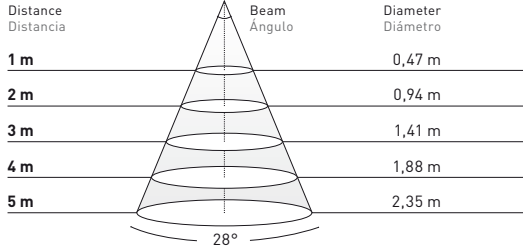
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Underpasses,
Tangier, Morocco

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Square Grazer® 40 LEDs

28°



2800K

WARM WHITE
BLANCO CÁLIDO

8.310 lux

2.077 lux

923 lux

519 lux

332 lux

4000K

NEUTRAL WHITE
BLANCO NEUTRO

9.511 lux

2.378 lux

1.057 lux

594 lux

380 lux

6000K

COOL WHITE
BLANCO FRÍO

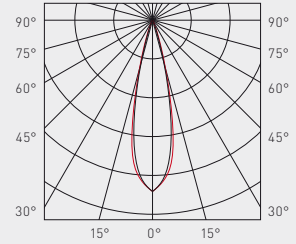
10.841 lux

2.710 lux

1.205 lux

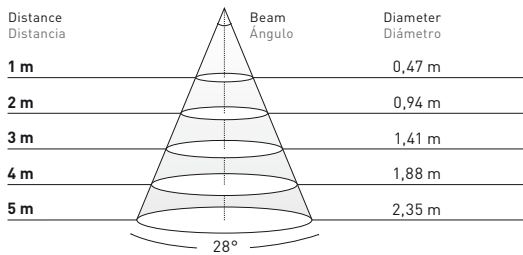
678 lux

434 lux



Square Grazer® 66 LEDs

28°



2800K

WARM WHITE
BLANCO CÁLIDO

13.715 lux

3.429 lux

1.524 lux

857 lux

549 lux

4000K

NEUTRAL WHITE
BLANCO NEUTRO

15.692 lux

3.923 lux

1.744 lux

981 lux

628 lux

6000K

COOL WHITE
BLANCO FRÍO

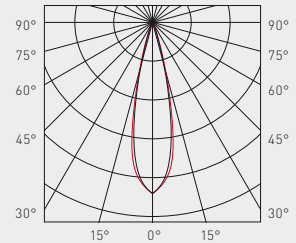
17.888 lux

4.472 lux

1.988 lux

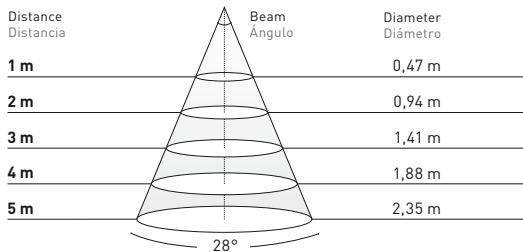
1.118 lux

716 lux



Square Grazer® 2x66 LEDs

28°



2800K

WARM WHITE
BLANCO CÁLIDO

27.437 lux

6.857 lux

3.048 lux

1.714 lux

1.097 lux

4000K

NEUTRAL WHITE
BLANCO NEUTRO

31.384 lux

7.846 lux

3.487 lux

1.961 lux

1.255 lux

6000K

COOL WHITE
BLANCO FRÍO

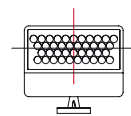
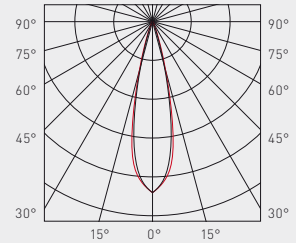
35.776 lux

8.944 lux

3.975 lux

2.236 lux

1.431 lux

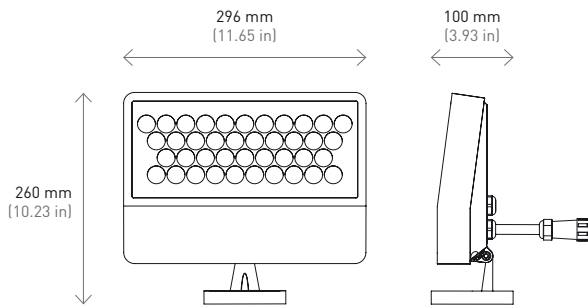


Data calculated with **Square Grazer® (28°)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

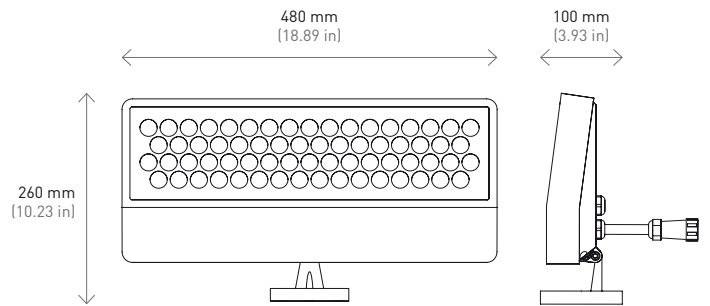
Datos calculados con **Square Grazer® (28°)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**MEASURES
MEDIDAS**

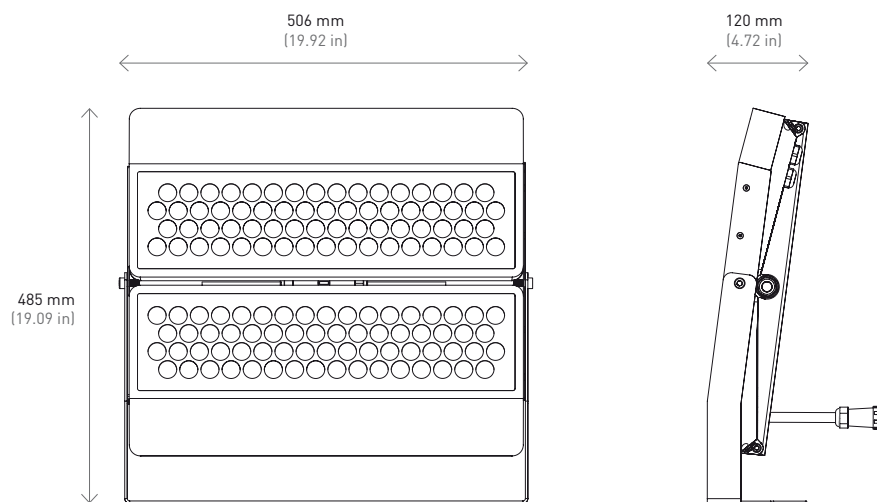
Square Grazer® 40 LEDs



Square Grazer® 66 LEDs



Square Grazer® 2x66 LEDs

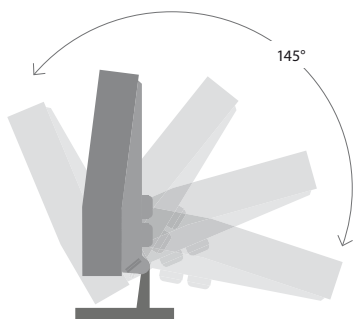


**ROTATION
ROTACIÓN**

Its elegant and sophisticated design allow us to illuminate to all directions with an exact precision, due to its tool head, movable in horizontal and vertical way. Su diseño elegante y sofisticado nos permite iluminar en todas direcciones con una precisión exacta, gracias a su cabezal orientable en horizontal y vertical.

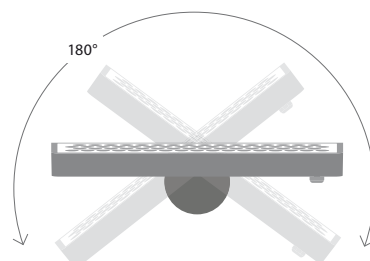
Square Grazer® 40 LEDs/66 LEDs

Side view
Vista lateral



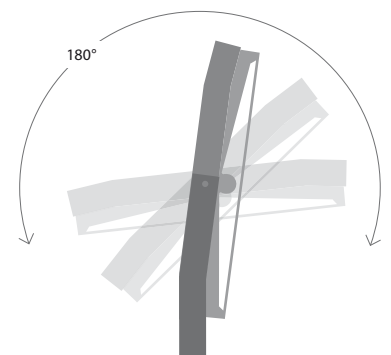
Square Grazer® 40 LEDs/66 LEDs

Top view
Planta



Square Grazer® 2x66 LEDs

Side view
Vista lateral



SQUARE GRAZER®

FINISHES ACABADOS

In order to satisfy all our customers, five different versions are available: silver, black, white, corten and stone.

Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en cinco acabados: plata, negro, blanco corten y piedra.



Silver
Plata

(RAL 9006)



Black
Negro

(RAL 9011)



White
Blanco

(RAL 9003)



Micro texturised corten.
Corten micro texturizado.

Only available for the 40 LEDs type.
Solo disponible para el modelo 40 LEDs.



Micro texturised stone.
Piedra micro texturizado.

Only available for the 40 LEDs type.
Solo disponible para el modelo 40 LEDs.



Qatar Handball Association Complex,
Doha, Qatar

DETAILS
DETALLES



Passive heat sink.
Disipador de calor pasivo.



GORE pressure equalize valve
Válvula de control de presión atmosférica GORE

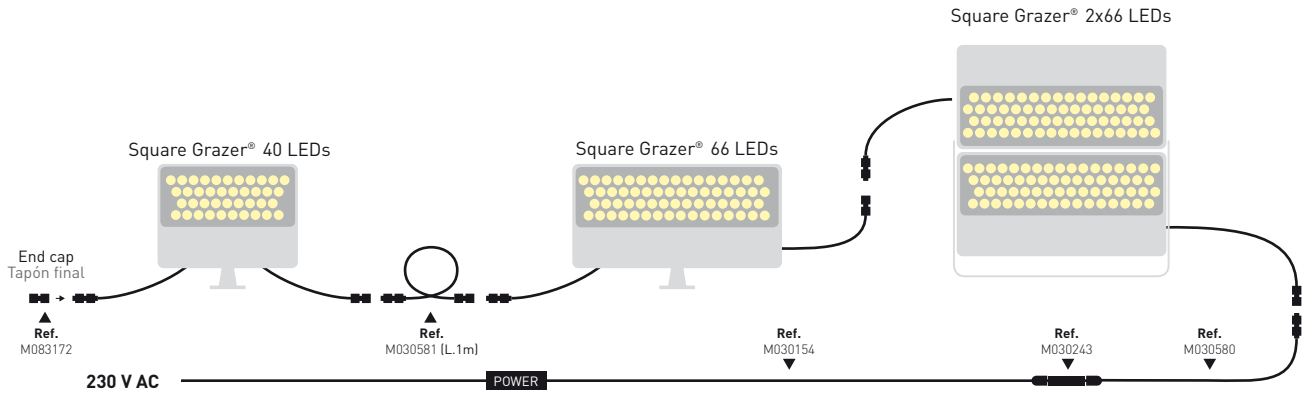


Static load test: 5,4 kN
Test carga estática: 5,4 kN



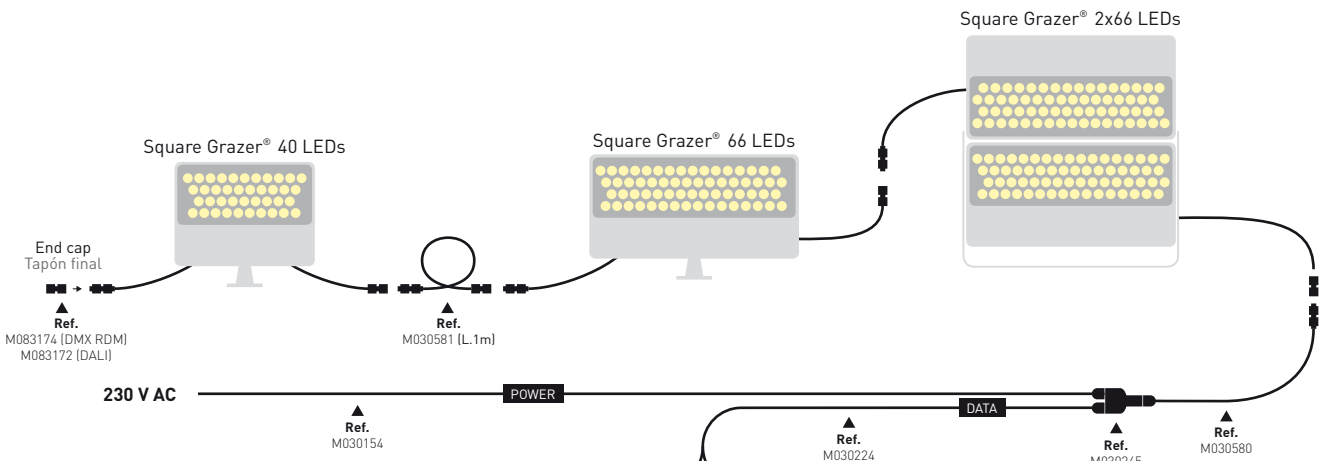
Monolithic tempered glass ensures high security protection, stability and hardness.
Cristal de seguridad monolítico templado que garantiza una alta protección, estabilidad y dureza.

MONOCOLOR ON/OFF CONNECTIONS CONEXIONES ON/OFF MONOCOLOR



! Maximum units of Square Grazer per on-off connection Cantidad máxima de Square Grazer por conexión on-off	40 LEDs	66 LEDs	2x66 LEDs
	15	10	5

DMX RDM CONNECTIONS CONEXIONES DMX RDM

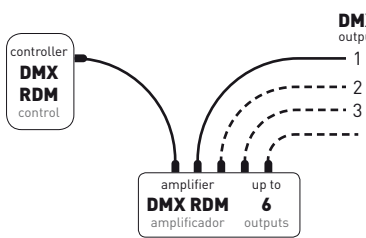


**MORE THAN 15 SQUARE GRAZER® 40 WITH DMX RDM.
PARA MÁS DE 15 SQUARE GRAZER® 40 CON DMX RDM.**

A

**UP TO 15 SQUARE GRAZER® 40 WITH DMX RDM.
HASTA 15 SQUARE GRAZER® 40 CON DMX RDM.**

B

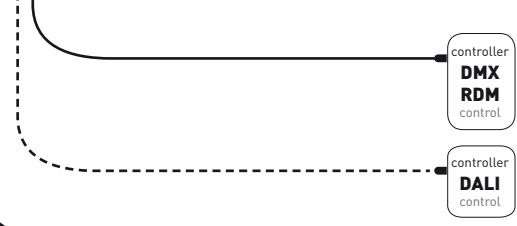


A

**MORE THAN 15 SQUARE GRAZER® 40 WITH DMX RDM.
PARA MÁS DE 15 SQUARE GRAZER® 40 CON DMX RDM.**

Maximum Square Grazer per DMX RDM output Máximo Square Grazer por salida DMX RDM	40 LEDs	66 LEDs	2x66 LEDs
	15	10	5

Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last Square Grazer®.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último Square Grazer®.



B

**UP TO 15 SQUARE GRAZER® 40 WITH DMX RDM.
PARA MENOS DE 15 SQUARE GRAZER® 40 CON DMX RDM.**

Maximum Square Grazer per DMX RDM controller Máximo Square Grazer por controlador DMX RDM	40 LEDs	66 LEDs	2x66 LEDs
	15	10	5

Maximum 100 m from controller to last Square Grazer®.
Follow connection diagram type B for DALI installations.
Máximo 100 m del controlador al último Square Grazer®.
Para instalación DALI seguir el conexionado tipo B.

REFERENCES
REFERENCIAS

75006 X X /XX/XXX

COLOUR COLOR

- /80/2K8 Warm white Blanco cálido
- /80/4K Neutral white Blanco neutro
- /80/6K Cool white Blanco frío
- /2K8-6K Smart white (2800K + 4000K + 6000K)
- /09 Blue Azul
- /11 RGB
- /11-4K RGBW (white 4000K)

TYPE MODELO

- 2 Square Grazer® 40 LEDs
- 4 Square Grazer® 66 LEDs
- 5 Square Grazer® 2 x 66 LEDs

FINISHES ACABADOS

- 0 Silver Plata (RAL 9006)
- 2 Black Negro (RAL 9011)
- 3 White Blanco (RAL 9003)
- 4 Corten Corten*
- 5 Stone Piedra*

* The corten & stone finish is only available for the 40 LEDs type.
El acabado corten y piedra solo está disponible para el modelo de 40 LEDs.

OPTIONS
OPCIONES

The standard version is delivered with 28° beam.
La versión estándar se suministra con ángulo de 28°.

CONTROL CONTROL

- On-Off (Standard Monocolor)
- DMX RDM (Standard RGB/RGBW/SW)
- DALI

BEAM ÁNGULO

- 9°
- 28° (Standard)
- 45°
- 10°x 54°

HONEYCOMB PANEL DE ABEJA (IP20)

- Honeycomb Panel de abeja
- Without Honeycomb Sin panel de abeja (Standard)

The Honeycomb must be ordered together with the lighting fixture.
El Panel de abeja debe pedirse junto con la luminaria.

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M030580	2 m power cable (5 poles-female)	Cable alimentación 2 m (5 polos-hembra)	1
M030581	1 m extension cable (5 poles)	Cable extensión 1 m (5 polos)	2
M083174	120 OHM end cap (5 poles-male) DMX RDM	Tapón final 120 OHM (5 polos-macho) DMX RDM	3
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	4
	Custom assembly for installers.	Para el montaje a medida por el instalador.	
M083166	IP68 connector (5 poles-male)	Conector aereo IP68 (5 polos-macho)	5
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aereo IP68 (5 polos-hembra)	6
M083172	End cap (female) On-off DALI	Tapón final (hembra) On-off DALI	
M030400/C12	2 x AWG22 + 3 x 1,5 mm² cable (m)	Cable 2 x AWG22 + 3 x 1,5 mm² (m)	
	For installation.	Para instalación.	
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	7
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
7150203	DMX Addresser Setup	DMX Addresser Setup	8

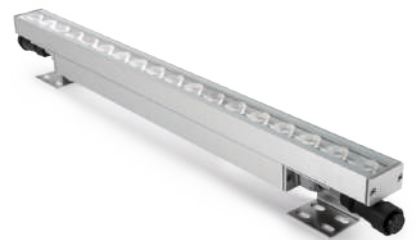
To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Portugaleta Sports Centre,
Basque Country, Spain



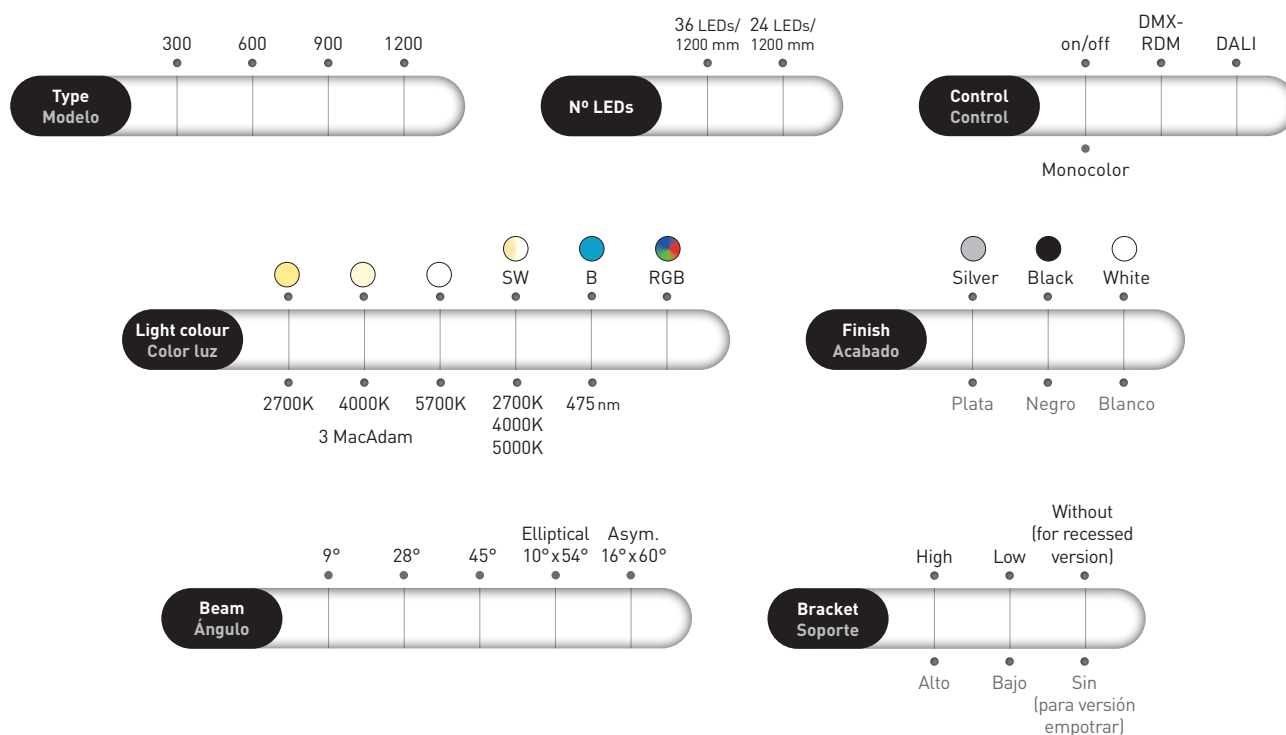
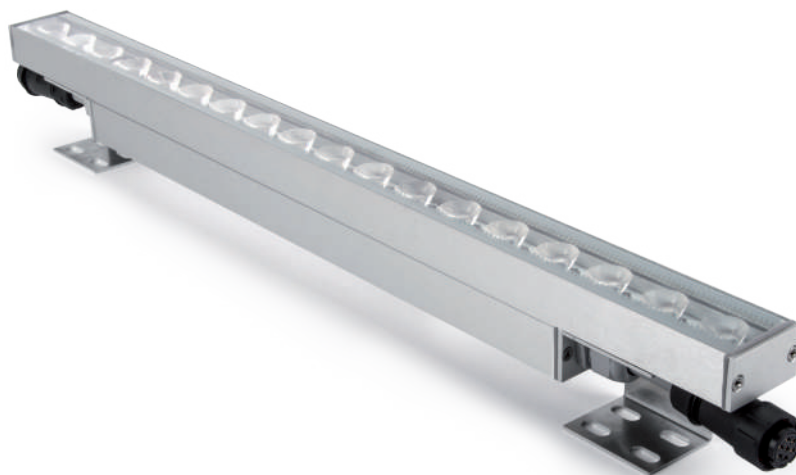


SLIM LINE GRAZER®



SLIM LINE GRAZER®

- Homogenous light for wall washing applications
- High efficiency (up to 3600 lm)
- 5 beam angles: 9°, 28°, 45°, 10°x54°, Asym.
- Surfaced or recessed mounted
- Easy serial connection
- Luz lineal uniforme para bañar paredes
- Alto rendimiento lumínico (hasta 3600 lm)
- 5 ángulos de apertura: 9°, 28°, 45°, 10°x54°, Asim.
- Montaje en superficie o empotrado
- Fácil conexión en serie



The standard version is delivered with 10°x 54° beam.
La versión estándar se suministra con ángulo de 10°x 54°.

The standard monocolour version is delivered with control on-off and the standard RGB/SW version is delivered with control DMX/RDM
La versión estándar monocolour se suministra con control on-off y la versión estándar RGB/SW se suministra con control DMX/RDM.

SPECIFICATIONS
CARACTERÍSTICAS

IP66	IK09	CRI>80	DMX RDM	DALI	220-240V AC		AL Housing	Security GLASS Cover	Ta min -20°C -4°F Ta +50°C max +122°F	CE
------	------	--------	---------	------	-------------	--	------------	----------------------	--	----

Slim Line Grazer® 1200						
36 LEDs (pitch 33 mm)						
Power	41 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 2780 lm 28° - 2660 lm 45° - 2420 lm 10°x54° - 2600 lm Asym. - 2480 lm	9° - 3180 lm 28° - 3044 lm 45° - 2770 lm 10°x54° - 2975 lm Asym. - 2838 lm	9° - 3625 lm 28° - 3470 lm 45° - 3158 lm 10°x54° - 3392 lm Asym. - 3236 lm	9° - 3194 lm 28° - 3057 lm 45° - 2782 lm 10°x54° - 2988 lm Asym. - 2851 lm	9° - 974 lm 28° - 932 lm 45° - 848 lm 10°x54° - 911 lm Asym. - 869 lm	9° - 1908 lm 28° - 1826 lm 45° - 1662 lm 10°x54° - 1785 lm Asym. - 1703 lm
Luminaire efficiency	59 to 68 lm/W	68 to 78 lm/W	77 to 89 lm/W	68 to 78 lm/W	21 to 24 lm/W	41 to 47 lm/W
24 LEDs (pitch 50 mm)						
Power	31 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 1854 lm 28° - 1774 lm 45° - 1615 lm 10°x54° - 1734 lm Asym. - 1654 lm	9° - 2121 lm 28° - 2030 lm 45° - 1847 lm 10°x54° - 1984 lm Asym. - 1893 lm	9° - 2418 lm 28° - 2314 lm 45° - 2106 lm 10°x54° - 2262 lm Asym. - 2158 lm	9° - 2131 lm 28° - 2039 lm 45° - 1856 lm 10°x54° - 1993 lm Asym. - 1902 lm	9° - 650 lm 28° - 622 lm 45° - 566 lm 10°x54° - 608 lm Asym. - 580 lm	9° - 1273 lm 28° - 1218 lm 45° - 1108 lm 10°x54° - 1191 lm Asym. - 1136 lm
Luminaire efficiency	52 to 60 lm/W	60 to 68 lm/W	68 to 78 lm/W	60 to 69 lm/W	18 to 21 lm/W	36 to 41 lm/W
Measures	1235 x 57 x 44 mm					
Weight	3,7 kg					

Other types on next page >>>
Otros modelos en página siguiente >>>



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Amara Hotel,
Singapore

SPECIFICATIONS CARACTERÍSTICAS

Slim Line Grazer® 900						
27 LEDs (pitch 33 mm)						
Power	32 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 2085 lm 28° - 1995 lm 45° - 1816 lm 10°x54° - 1951 lm Asym. - 1861 lm	9° - 2386 lm 28° - 2283 lm 45° - 2078 lm 10°x54° - 2232 lm Asym. - 2129 lm	9° - 2720 lm 28° - 2603 lm 45° - 2369 lm 10°x54° - 2544 lm Asym. 2427 lm	9° - 2397 lm 28° - 2294 lm 45° - 2088 lm 10°x54° - 2242 lm Asym. - 2139 lm	9° - 732 lm 28° - 700 lm 45° - 637 lm 10°x54° - 685 lm Asym. - 653 lm	9° - 1432 lm 28° - 1370 lm 45° - 1247 lm 10°x54° - 1339 lm Asym. - 1278 lm
Luminaire efficiency	59 to 65 lm/W	65 to 75 lm/W	74 to 85 lm/W	65 to 75 lm/W	20 to 21 lm/W	39 to 45 lm/W
18 LEDs (pitch 50 mm)						
Power	24,5 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 1390 lm 28° - 1331 lm 45° - 1211 lm 10°x54° - 1301 lm Asym. - 1241 lm	9° - 1591 lm 28° - 1522 lm 45° - 1386 lm 10°x54° - 1488 lm Asym. - 1420 lm	9° - 1813 lm 28° - 1735 lm 45° - 1579 lm 10°x54° - 1696 lm Asym. 1618 lm	9° - 1598 lm 28° - 1529 lm 45° - 1392 lm 10°x54° - 1495 lm Asym. - 1426 lm	9° - 487 lm 28° - 466 lm 45° - 424 lm 10°x54° - 456 lm Asym. - 435 lm	9° - 955 lm 28° - 914 lm 45° - 831 lm 10°x54° - 893 lm Asym. - 852 lm
Luminaire efficiency	49 to 57 lm/W	57 to 65 lm/W	64 to 74 lm/W	57 to 65 lm/W	17 to 20 lm/W	34 to 39 lm/W
Measures	933 x 57 x 44 mm					
Weight	2,8 kg					

Slim Line Grazer® 600						
18 LEDs (pitch 33 mm)						
Power	23 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 1390 lm 28° - 1331 lm 45° - 1211 lm 10°x54° - 1301 lm Asym. - 1241 lm	9° - 1591 lm 28° - 1522 lm 45° - 1386 lm 10°x54° - 1488 lm Asym. - 1420 lm	9° - 1813 lm 28° - 1735 lm 45° - 1579 lm 10°x54° - 1695 lm Asym. - 1618 lm	9° - 1598 lm 28° - 1529 lm 45° - 1392 lm 10°x54° - 1495 lm Asym. - 1426 lm	9° - 487 lm 28° - 466 lm 45° - 424 lm 10°x54° - 456 lm Asym. - 435 lm	9° - 955 lm 28° - 914 lm 45° - 831 lm 10°x54° - 893 lm Asym. - 852 lm
Luminaire efficiency	53 to 60 lm/W	60 to 69 lm/W	69 to 79 lm/W	61 to 70 lm/W	18 to 21 lm/W	36 to 42 lm/W
12 LEDs (pitch 50 mm)						
Power	18 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 927 lm 28° - 887 lm 45° - 807 lm 10°x54° - 867 lm Asym. - 827 lm	9° - 1061 lm 28° - 1015 lm 45° - 924 lm 10°x54° - 992 lm Asym. - 947 lm	9° - 1209 lm 28° - 1157 lm 45° - 1053 lm 10°x54° - 1131 lm Asym. 1079 lm	9° - 1066 lm 28° - 1020 lm 45° - 928 lm 10°x54° - 997 lm Asym. - 951 lm	9° - 325 lm 28° - 312 lm 45° - 284 lm 10°x54° - 305 lm Asym. - 290 lm	9° - 637 lm 28° - 609 lm 45° - 554 lm 10°x54° - 595 lm Asym. - 568 lm
Luminaire efficiency	45 to 52 lm/W	51 to 59 lm/W	59 to 67 lm/W	52 to 60 lm/W	16 to 18 lm/W	31 to 35 lm/W
Measures	625 x 57 x 44 mm					
Weight	1,8 kg					

Slim Line Grazer® 300						
9 LEDs (pitch 33 mm)						
Power	14 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 695 lm 28° - 665 lm 45° - 606 lm 10°x54° - 651 lm Asym. - 621 lm	9° - 796 lm 28° - 761 lm 45° - 693 lm 10°x54° - 744 lm Asym. - 710 lm	9° - 907 lm 28° - 868 lm 45° - 790 lm 10°x54° - 848 lm Asym. 809 lm	9° - 799 lm 28° - 765 lm 45° - 696 lm 10°x54° - 748 lm Asym. - 713 lm	9° - 244 lm 28° - 234 lm 45° - 213 lm 10°x54° - 229 lm Asym. - 218 lm	9° - 477 lm 28° - 457 lm 45° - 416 lm 10°x54° - 447 lm Asym. - 426 lm
Luminaire efficiency	43 to 50 lm/W	50 to 57 lm/W	56 to 65 lm/W	50 to 57 lm/W	15 to 17 lm/W	30 to 34 lm/W
6 LEDs (pitch 50 mm)						
Power	11,5 W					
Color temperatures	2700K	4000K	5700K	Smart White	Azul	RGB
Lumens output	9° - 464 lm 28° - 444 lm 45° - 404 lm 10°x54° - 434 lm Asym. - 414 lm	9° - 531 lm 28° - 508 lm 45° - 462 lm 10°x54° - 496 lm Asym. - 474 lm	9° - 605 lm 28° - 579 lm 45° - 527 lm 10°x54° - 566 lm Asym. - 540 lm	9° - 533 lm 28° - 510 lm 45° - 464 lm 10°x54° - 499 lm Asym. - 476 lm	9° - 163 lm 28° - 156 lm 45° - 142 lm 10°x54° - 153 lm Asym. - 146 lm	9° - 318 lm 28° - 305 lm 45° - 277 lm 10°x54° - 298 lm Asym. - 284 lm
Luminaire efficiency	35 to 40 lm/W	40 to 46 lm/W	46 to 53 lm/W	41 to 46 lm/W	12 to 14 lm/W	24 to 28 lm/W
Measures	323 x 57 x 44 mm					
Weight	0,8 kg					

Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

**LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS**

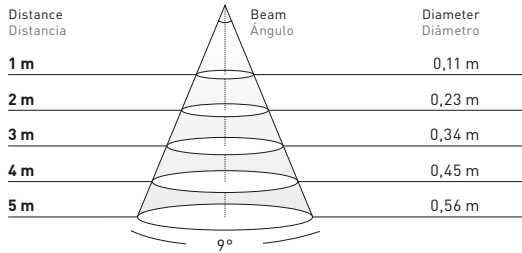
Slim Line Grazer® 1200

36 LEDs **9°**

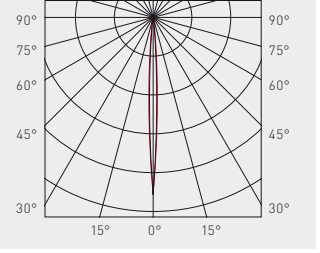
2700K

4000K

5700K



55.718 lux	63.734 lux	72.653 lux
13.929 lux	15.934 lux	18.163 lux
6.191 lux	7.082 lux	8.073 lux
3.482 lux	3.983 lux	4.541 lux
2.229 lux	2.549 lux	2.906 lux



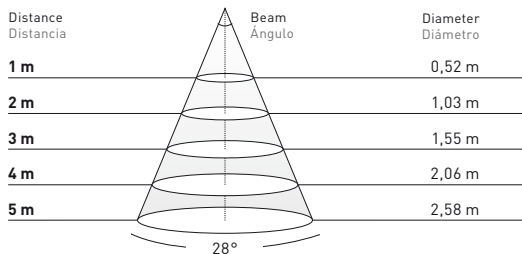
Slim Line Grazer® 1200

36 LEDs **28°**

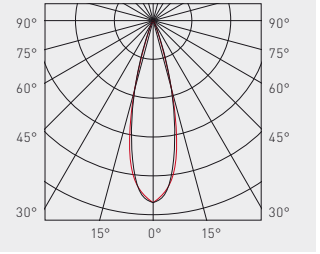
2700K

4000K

5700K



6.491 lux	7.428 lux	8.468 lux
1.623 lux	1.857 lux	2.117 lux
721 lux	825 lux	941 lux
406 lux	464 lux	529 lux
260 lux	297 lux	339 lux



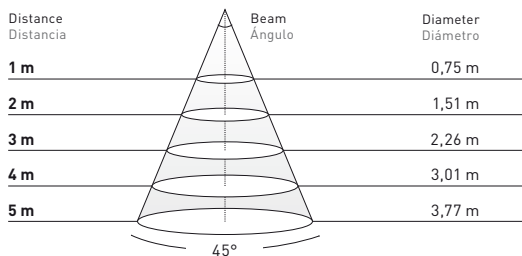
Slim Line Grazer® 1200

36 LEDs **45°**

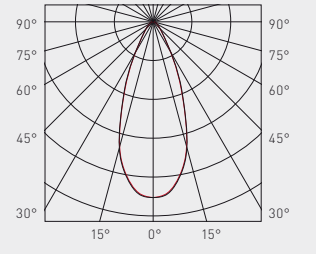
2700K

4000K

5700K



2.275 lux	2.604 lux	2.968 lux
569 lux	651 lux	742 lux
253 lux	289 lux	330 lux
142 lux	163 lux	186 lux
91 lux	104 lux	119 lux



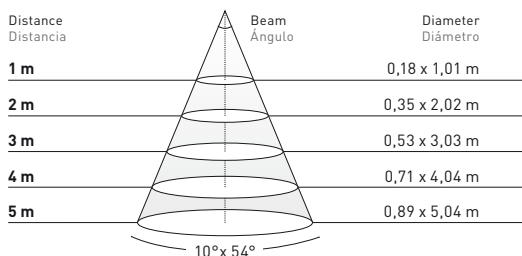
Slim Line Grazer® 1200

36 LEDs **10°x54°**

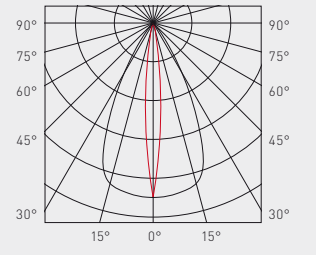
2700K

4000K

5000K



7.071 lux	8.091 lux	9.225 lux
1.768 lux	2.023 lux	2.306 lux
786 lux	899 lux	1.025 lux
442 lux	506 lux	577 lux
283 lux	324 lux	369 lux



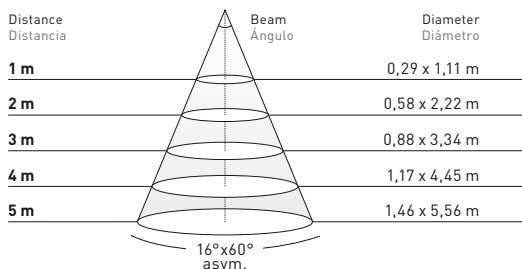
Slim Line Grazer® 1200

36 LEDs **Asym.**

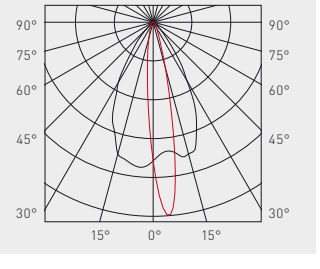
2700K

4000K

5700K



3.446 lux	3.944 lux	4.497 lux
862 lux	986 lux	1.124 lux
383 lux	438 lux	500 lux
215 lux	246 lux	281 lux
138 lux	158 lux	180 lux



Data calculated with Slim Line Grazer® (36 LEDs / 1,2m).
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

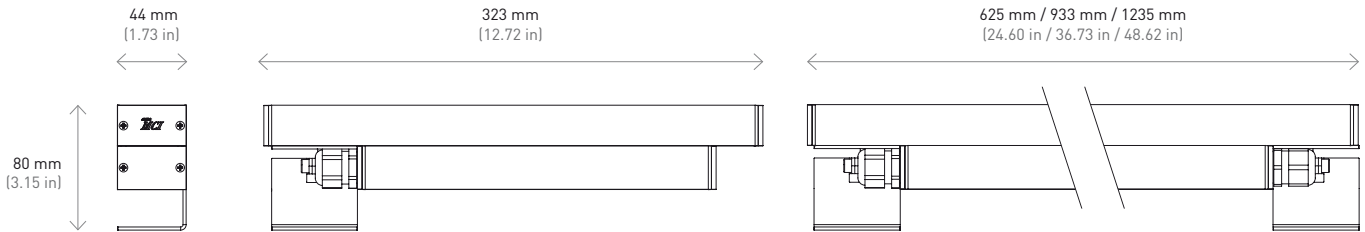
Datos calculados con Slim Line Grazer® (36 LEDs / 1,2m).
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.



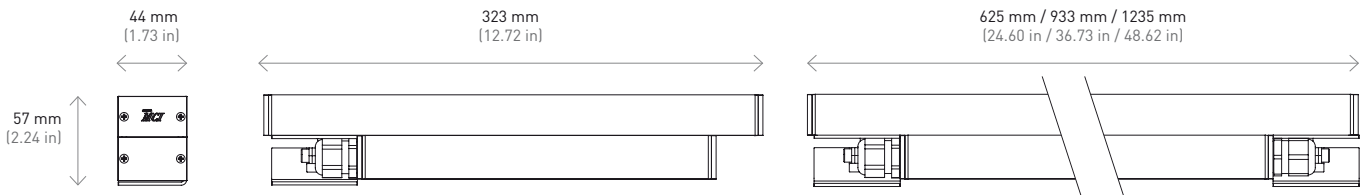
SLIM LINE GRAZER®

MEASURES MEDIDAS

Slim Line Grazer®
High bracket
Soporte alto

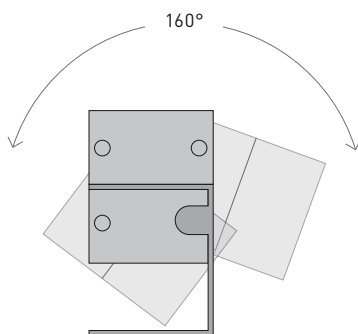


Slim Line Grazer®
Low bracket
Soporte bajo

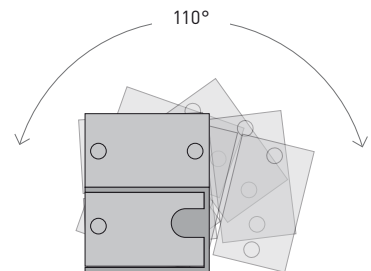


BRACKETS SOPORTES

High bracket
Soporte alto



Low bracket
Soporte bajo



FINISHES
ACABADOS

In order to satisfy all our customers, three different versions are available: anodized silver, black and white.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: anodizado plata, negro y blanco.



Anodized silver.
Anodizado plata.



Black.
Negro. (RAL 9011)

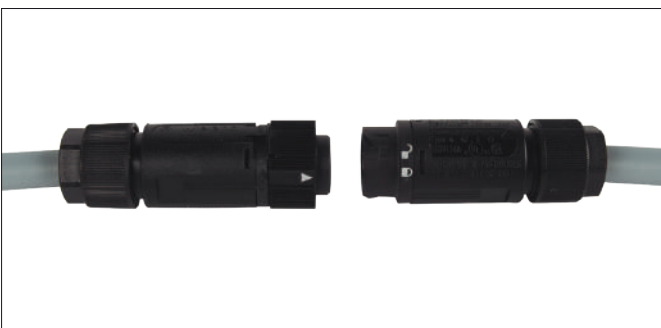


White.
Blanco. (RAL 9003)

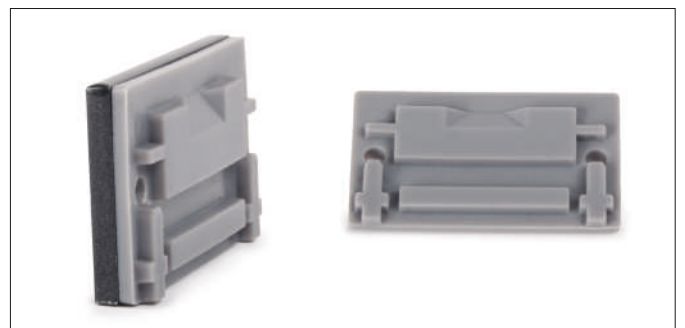
DETAILS
DETALLES



Monolithic tempered glass ensures high security protection, stability and hardness.
Cristal de seguridad monolítico templado que garantiza una alta protección, estabilidad y dureza.

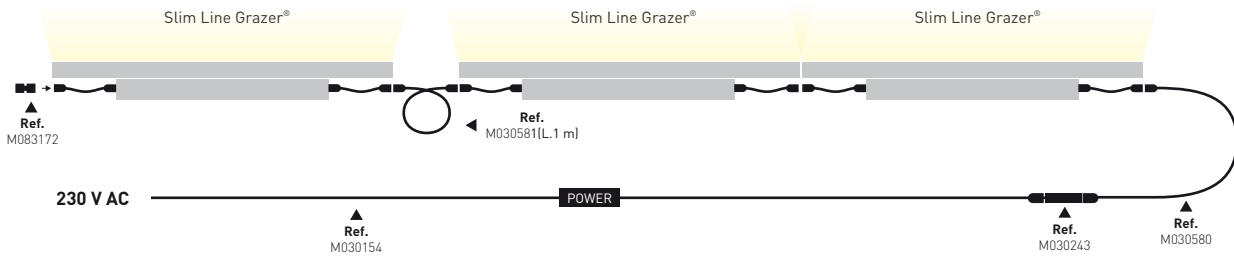


IP68 connector.
Conector IP68.



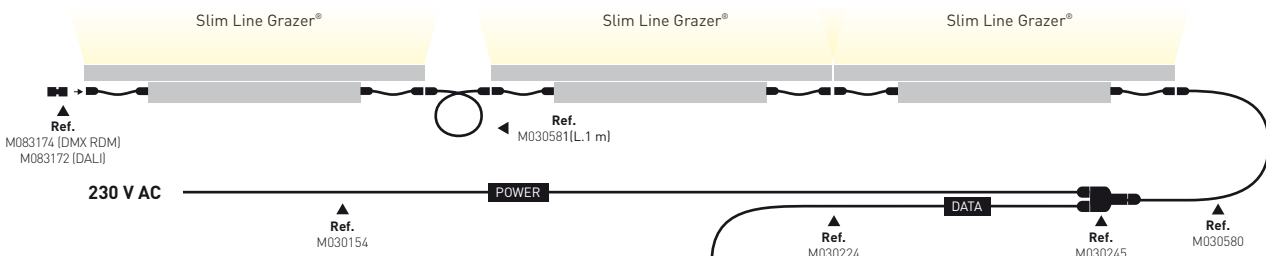
Molded silicone gasket guarantees IP66.
Junta de silicona moldeada que garantiza un IP66.

ON-OFF 230 V AC CONNECTIONS CONEXIONES 230 V AC ON-OFF

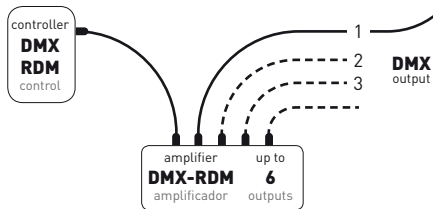


! Maximum 15 units of Slim Line Grazer per on-off connection
Máximo de 15 Slim Line Grazer por conexión on-off

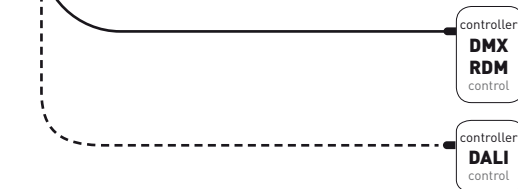
230 V AC CONNECTIONS CONEXIONES 230 V AC



**MORE THAN 15 SLIM LINE GRAZER® WITH DMX-RDM.
PARA MÁS DE 15 SLIM LINE GRAZER® CON DMX-RDM.**



**UP TO 15 SLIM LINE GRAZER® WITH DMX-RDM.
HASTA 15 SLIM LINE GRAZER® CON DMX-RDM.**



A

**MORE THAN 15 SLIM LINE GRAZER® WITH DMX-RDM.
PARA MÁS DE 15 SLIM LINE GRAZER® CON DMX-RDM.**

Maximum 15 Slim Line Grazer® per DMX-RDM output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last Slim Line Grazer®.

Máximo 15 Slim Line Grazer® por salida DMX-RDM.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último Slim Line Grazer®.

B

**UP TO 15 SLIM LINE GRAZER® WITH DMX-RDM.
HASTA 15 SLIM LINE GRAZER® CON DMX-RDM.**

Maximum 15 Slim Line Grazer® per DMX-RDM controller.
Maximum 100 m from controller to last Slim Line Grazer®.
Follow connection diagram type B for DALI installations.

Máximo 15 Slim Line Grazer® por controlador DMX-RDM.
Máximo 100 m del controlador al último Slim Line Grazer®.
Para instalación DALI seguir el conexionado tipo B.



Lumini Shopping Center,
Croatia

REFERENCES REFERENCIAS

752 1 X X X /XX/XXX

COLOUR COLOR

/80/2K7	2700K	
/80/4K	4000K	
/70/5K7	5700K	
/2K7-5K	Smart white	(2700K + 4000K + 5000K)
/09	Blue	Azul
/11	RGB	

TYPE MODELO

1	300*
2	600
3	900
4	1200

FINISHES ACABADOS

0	Silver	Plata
2	Black	Negro
3	White	Blanco

NºLEDS Nº LEDS

1	36 LEDs / 1,2 m
2	24 LEDs / 1,2 m

VOLTAGE VOLTAJE

1	230 V AC
---	----------

* Slim Line Grazer® 300 only suitable for end of the line.
Slim Line Grazer® 300 sólo para final de línea.

OPTIONS OPCIONES

The standard version is delivered with:
High bracket and 10°x 54° beam angle.

La versión estándar se suministra con:
Soporte alto y ángulo de apertura 10°x 54°.

CONTROL CONTROL

on/off**	(Standard Monocolor)
DMX-RDM	(Standard RGB/SW)
DALI	

BRACKET SOPORTE

{160°} High	Alto	(Standard)
{110°} Low	Bajo	
Without	Sin	(for recessed version)

BEAM ÁNGULO

9°	
10°x 54°	(Standard)
28°	
45°	
Asymetric	Asimétrica

** Only available in monocolor version.
Sólo disponible en versión monocolor.

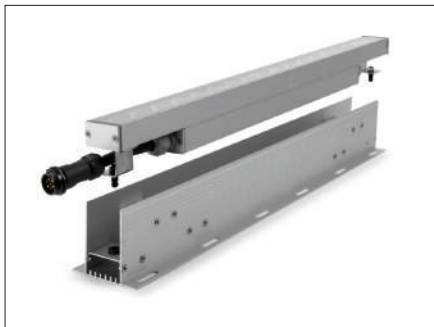
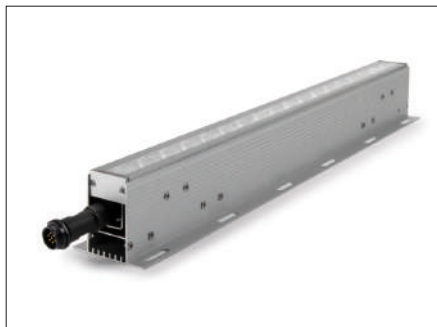
ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M030580	2 m power cable (5 poles-female)	Cable alimentación 2 m (5 polos-hembra)	1
M030581	1 m extension cable (5 poles)	Cable extensión 1 m (5 polos)	2
M083174	120 OHM end cap (5 poles-male) DMX RDM	Tapón final 120 OHM (5 polos-macho) DMX RDM	
	Custom assembly for installers.	Para el montaje a medida por el instalador.	
M083166	IP68 connector (5 poles-male)	Conector aereo IP68 (5 polos-macho)	
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aereo IP68 (5 polos-hembra)	3
M083172	End cap (female) On-off DALI	Tapón final (hembra) On-off DALI	
M030400/C12	2 x AWG22 + 3 x 1,5 mm² cable (m)	Cable 2 x AWG22 + 3 x 1,5 mm² (m)	
	For installation.	Para instalación.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	4
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	5
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
7150203	DMX Address Setup	DMX Address Setup	6

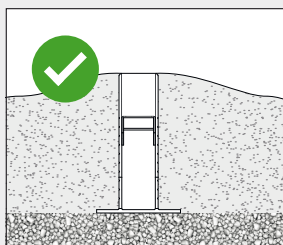
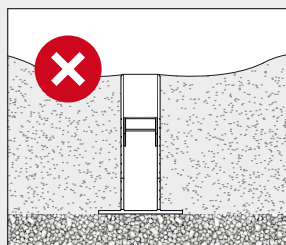
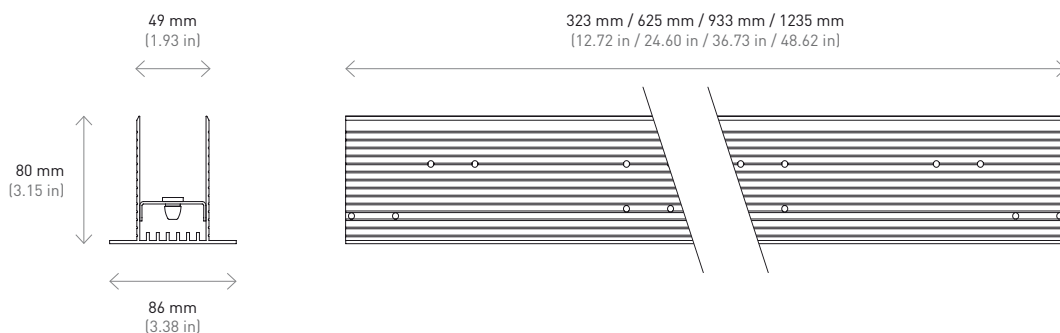
To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

RECESSED BOX
CAJETÍN DE EMPOTRAR



Easy Plug&Play system for a fast installation in the recessed box.
Unión rápida que permite montar con facilidad la luminaria en la caja de empotrar.

Polyethylene foam protects the recessed box of concrete dilatations.
La junta de polietileno absorbe las dilataciones del hormigón.



Temporarily immersion protection

A crushed stone surrounding the recessed box is recommended for a correct drainage. Avoid its placing in ground depression.
Incorrect drainage, may cause the loss of warranty.

Para un drenaje correcto se recomienda una capa de grava alrededor de la caja de empotramiento. Evite su colocación en depresiones del terreno.
Un drenaje incorrecto puede significar la pérdida de garantía.

REFERENCES
REFERENCIAS



7521074/C12	Recessed box 1200	Cajetín de empotrar 1200	1
7521073/C12	Recessed box 900	Cajetín de empotrar 900	
7521072/C12	Recessed box 600	Cajetín de empotrar 600	
7521071/C12	Recessed box 300	Cajetín de empotrar 300	
7521095	Fixation kit	Kit unión	2
7101196	Centric extraction tool	Útil extracción en línea	3

KSU Gates,
Riyadh, Saudi Arabia





LINE GRAZER®

Design by REMM



- Homogenous light for wall washing applications
- High efficiency up to 4800 lm
- 5 beam angles: 9°, 28°, 45°, 10°x 54°, Asym.
- Surfaced or recessed mounted
- Easy serial connection
- Thermal test certificate
- Luz lineal uniforme para bañar paredes
- Alto rendimiento lumínico hasta 4800 lm
- 5 ángulos de apertura: 9°, 28°, 45°, 10°x 54°, Asim.
- Montaje en superficie o empotrado
- Fácil conexión en serie
- Test térmico certificado



<p>Type Modelo</p> <p>300 600 900 1200</p>	<p>N° LEDs</p> <p>48 LEDs/ 1200 mm 36 LEDs/ 1200 mm</p>	<p>Control Control</p> <p>on/off DMX-RDM DALI</p> <p>Monocolor</p>
<p>Light colour Color luz</p> <p>WW NW CW SW B RGB RGBW*</p> <p>2800K (± 100 K) 4000K (± 125 K) 6000K (± 400 K) 2800K 4000K 6000K 475 nm White 4000K</p>	<p>Finish Acabado</p> <p>Silver Black White</p> <p>Plata Negro Blanco</p>	
<p>Beam Ángulo</p> <p>9° 28° 45° Elliptical 10°x54° Asym. 16°x60°</p>	<p>Bracket Soporte</p> <p>[95°] High [25°] Low [110°] Side Without [for recessed version]</p> <p>Alto Bajo Lateral Sin [para versión empotrar]</p>	

* Only available in 48 LEDs/1200 mm version.

Sólo disponible en la versión 48 LEDs/1200 mm.

The standard version is delivered with 10°x 54° beam.

La versión estándar se suministra con ángulo de 10°x 54°.

The standard monocolor version is delivered with control on-off and the standard RGB/RGBW/SW version is delivered with control DMX/RDM

La versión estándar monocolor se suministra con control on-off y la versión estándar RGB/RGBW/SW se suministra con control DMX/RDM.

SPECIFICATIONS
CARACTERÍSTICAS

IP66	IK08	CRI>80	on/off	DMX RDM	DALI	100-277V AC		AL Housing	Security GLASS Cover	Ta min -20°C -4°F Ta +50°C max +122°F	CE
------	------	--------	--------	------------	------	----------------	--	---------------	----------------------------	--	----

Line Grazer® 1200							
Measures	1235 x 111,6 x 72 mm						
Weight	4,5 kg						
48 LEDs [pitch 25 mm]							
Power	55 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 3706 lm 28° - 3547 lm 45° - 3228 lm 10°x 54° - 3467 lm Asym. - 3308 lm	9° - 4240 lm 28° - 4058 lm 45° - 3693 lm 10°x 54° - 3967 lm Asym. - 3785 lm	9° - 4834 lm 28° - 4626 lm 45° - 4210 lm 10°x 54° - 4522 lm Asym. - 4314 lm	9° - 4260 lm 28° - 4077 lm 45° - 3710 lm 10°x 54° - 3985 lm Asym. - 3802 lm	9° - 1298 lm 28° - 1242 lm 45° - 1130 lm 10°x 54° - 1214 lm Asym. - 1158 lm	9° - 2544 lm 28° - 2435 lm 45° - 2216 lm 10°x 54° - 2380 lm Asym. - 2270 lm	9° - 3117 lm 28° - 2983 lm 45° - 2714 lm 10°x 54° - 2916 lm Asym. - 2782 lm
Luminaire efficiency	59 to 67 lm/W	67 to 77 lm/W	76 to 88 lm/W	68 to 78 lm/W	20 to 24 lm/W	40 to 46 lm/W	49 to 57 lm/W
36 LEDs [pitch 33 mm]							
Power	41 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 2780 lm 28° - 2660 lm 45° - 2420 lm 10°x 54° - 2600 lm Asym. - 2480 lm	9° - 3180 lm 28° - 3044 lm 45° - 2770 lm 10°x 54° - 2975 lm Asym. - 2838 lm	9° - 3625 lm 28° - 3470 lm 45° - 3158 lm 10°x 54° - 3392 lm Asym. - 3236 lm	9° - 3194 lm 28° - 3057 lm 45° - 2782 lm 10°x 54° - 2988 lm Asym. - 2851 lm	9° - 974 lm 28° - 932 lm 45° - 848 lm 10°x 54° - 911 lm Asym. - 869 lm	9° - 1908 lm 28° - 1826 lm 45° - 1662 lm 10°x 54° - 1785 lm Asym. - 1703 lm	Not available No disponible
Luminaire efficiency	59 to 68 lm/W	68 to 78 lm/W	77 to 89 lm/W	68 to 78 lm/W	21 to 24 lm/W	41 to 47 lm/W	

Other types on the next page >>>
Otros modelos en página siguiente >>>



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Generalitat of Catalunya Railways,
Barcelona, Spain

SPECIFICATIONS CARACTERÍSTICAS

Line Grazer® 900							
Measures	933 x 111,6 x 72 mm						
Weight	3,5 kg						
36 LEDs [pitch 25 mm]							
Power	43 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 2780 lm 28° - 2660 lm 45° - 2420 lm 10°x 54° - 2600 lm Asym. - 2480 lm	9° - 3180 lm 28° - 3044 lm 45° - 2770 lm 10°x 54° - 2975 lm Asym. - 2838 lm	9° - 3625 lm 28° - 3470 lm 45° - 3158 lm 10°x 54° - 3392 lm Asym. - 3236 lm	9° - 3194 lm 28° - 3057 lm 45° - 2782 lm 10°x 54° - 2988 lm Asym. - 2851 lm	9° - 974 lm 28° - 932 lm 45° - 848 lm 10°x 54° - 911 lm Asym. - 869 lm	9° - 1908 lm 28° - 1826 lm 45° - 1662 lm 10°x 54° - 1785 lm Asym. - 1703 lm	9° - 2337 lm 28° - 2237 lm 45° - 2035 lm 10°x 54° - 2187 lm Asym. - 2086 lm
Luminaire efficiency	56 to 65 lm/W	64 to 74 lm/W	73 to 84 lm/W	65 to 74 lm/W	20 to 23 lm/W	39 to 44 lm/W	48 to 54 lm/W
27 LEDs [pitch 33 mm]							
Power	32 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 2085 lm 28° - 1995 lm 45° - 1816 lm 10°x 54° - 1951 lm Asym. - 1861 lm	9° - 2386 lm 28° - 2283 lm 45° - 2078 lm 10°x 54° - 2232 lm Asym. - 2129 lm	9° - 2720 lm 28° - 2603 lm 45° - 2369 lm 10°x 54° - 2544 lm Asym. - 2427 lm	9° - 2397 lm 28° - 2294 lm 45° - 2088 lm 10°x 54° - 2242 lm Asym. - 2139 lm	9° - 732 lm 28° - 700 lm 45° - 637 lm 10°x 54° - 685 lm Asym. - 653 lm	9° - 1432 lm 28° - 1370 lm 45° - 1247 lm 10°x 54° - 1339 lm Asym. - 1278 lm	Not available No disponible
Luminaire efficiency	59 to 65 lm/W	65 to 75 lm/W	74 to 85 lm/W	65 to 75 lm/W	20 to 21 lm/W	39 to 45 lm/W	
Line Grazer® 600							
Measures	625 x 111,6 x 72 mm						
Weight	2,0 kg						
24 LEDs [pitch 25 mm]							
Power	30 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 1852 lm 28° - 1773 lm 45° - 1613 lm 10°x 54° - 1735 lm Asym. - 1655 lm	9° - 2120 lm 28° - 2029 lm 45° - 1846 lm 10°x 54° - 1983 lm Asym. - 1892 lm	9° - 2417 lm 28° - 2313 lm 45° - 2105 lm 10°x 54° - 2261 lm Asym. - 2157 lm	9° - 2130 lm 28° - 2038 lm 45° - 1855 lm 10°x 54° - 1992 lm Asym. - 1901 lm	9° - 650 lm 28° - 622 lm 45° - 566 lm 10°x 54° - 608 lm Asym. - 580 lm	9° - 1272 lm 28° - 1217 lm 45° - 1108 lm 10°x 54° - 1190 lm Asym. - 1135 lm	9° - 1558 lm 28° - 1491 lm 45° - 1357 lm 10°x 54° - 1458 lm Asym. - 1390 lm
Luminaire efficiency	54 to 62 lm/W	62 to 71 lm/W	70 to 81 lm/W	62 to 72 lm/W	19 to 22 lm/W	37 to 42 lm/W	45 to 52 lm/W
18 LEDs [pitch 33 mm]							
Power	23 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 1390 lm 28° - 1331 lm 45° - 1211 lm 10°x 54° - 1301 lm Asym. - 1241 lm	9° - 1591 lm 28° - 1522 lm 45° - 1386 lm 10°x 54° - 1488 lm Asym. - 1420 lm	9° - 1813 lm 28° - 1735 lm 45° - 1579 lm 10°x 54° - 1695 lm Asym. - 1618 lm	9° - 1598 lm 28° - 1529 lm 45° - 1392 lm 10°x 54° - 1495 lm Asym. - 1426 lm	9° - 487 lm 28° - 466 lm 45° - 424 lm 10°x 54° - 456 lm Asym. - 435 lm	9° - 955 lm 28° - 914 lm 45° - 831 lm 10°x 54° - 893 lm Asym. - 852 lm	Not available No disponible
Luminaire efficiency	53 to 60 lm/W	60 to 69 lm/W	69 to 79 lm/W	61 to 70 lm/W	18 to 21 lm/W	36 to 42 lm/W	
Line Grazer® 300							
Measures	323 x 111,6 x 72 mm						
Weight	1,2 kg						
12 LEDs [pitch 25 mm]							
Power	18 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 927 lm 28° - 887 lm 45° - 810 lm 10°x 54° - 870 lm Asym. - 825 lm	9° - 1060 lm 28° - 1015 lm 45° - 923 lm 10°x 54° - 992 lm Asym. - 946 lm	9° - 1208 lm 28° - 1156 lm 45° - 1052 lm 10°x 54° - 1130 lm Asym. - 1078 lm	9° - 1065 lm 28° - 1115 lm 45° - 927 lm 10°x 54° - 995 lm Asym. - 950 lm	9° - 325 lm 28° - 312 lm 45° - 284 lm 10°x 54° - 305 lm Asym. - 290 lm	9° - 638 lm 28° - 610 lm 45° - 555 lm 10°x 54° - 596 lm Asym. - 569 lm	9° - 779 lm 28° - 746 lm 45° - 675 lm 10°x 54° - 730 lm Asym. - 695 lm
Luminaire efficiency	46 to 52 lm/W	51 to 59 lm/W	58 to 68 lm/W	52 to 59 lm/W	16 to 18 lm/W	31 to 35 lm/W	38 to 43 lm/W
9 LEDs [pitch 33 mm]							
Power	14 W						
Color temperatures	2800K	4000K	6000K	Smart White	Blue	RGB	RGBW
Lumens output	9° - 695 lm 28° - 665 lm 45° - 606 lm 10°x 54° - 651 lm Asym. - 621 lm	9° - 796 lm 28° - 761 lm 45° - 693 lm 10°x 54° - 744 lm Asym. - 710 lm	9° - 907 lm 28° - 868 lm 45° - 790 lm 10°x 54° - 848 lm Asym. - 809 lm	9° - 799 lm 28° - 765 lm 45° - 696 lm 10°x 54° - 748 lm Asym. - 713 lm	9° - 244 lm 28° - 234 lm 45° - 213 lm 10°x 54° - 229 lm Asym. - 218 lm	9° - 477 lm 28° - 457 lm 45° - 416 lm 10°x 54° - 447 lm Asym. - 426 lm	Not available No disponible
Luminaire efficiency	43 to 50 lm/W	50 to 57 lm/W	56 to 65 lm/W	50 to 57 lm/W	15 to 17 lm/W	30 to 34 lm/W	

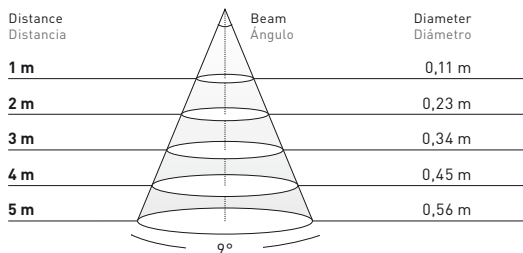
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

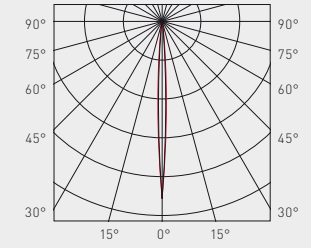
**LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS**

Line Grazer® 1200

48 LEDs 9°

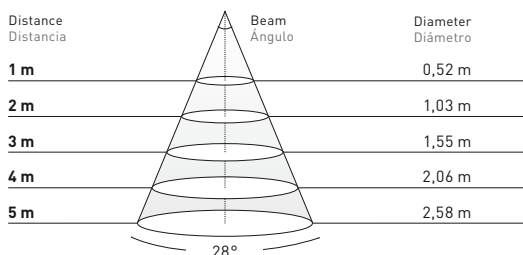


2800K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
74.277 lux	84.979 lux	96.884 lux
18.569 lux	21.245 lux	24.221 lux
8.253 lux	9.442 lux	10.765 lux
4.642 lux	5.311 lux	6.055 lux
2.971 lux	3.399 lux	3.875 lux

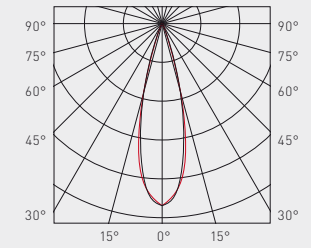


Line Grazer® 1200

48 LEDs 28°

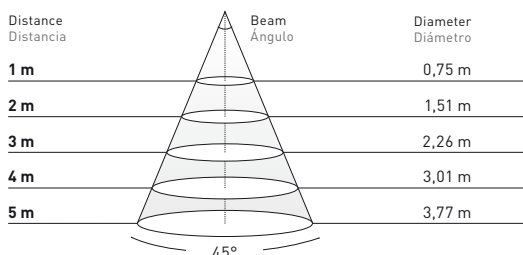


2800K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
8.656 lux	9.902 lux	11.289 lux
2.164 lux	2.476 lux	2.822 lux
962 lux	1.100 lux	1.254 lux
541 lux	619 lux	706 lux
346 lux	396 lux	452 lux

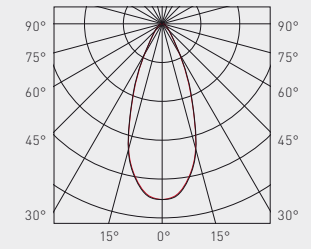


Line Grazer® 1200

48 LEDs 45°

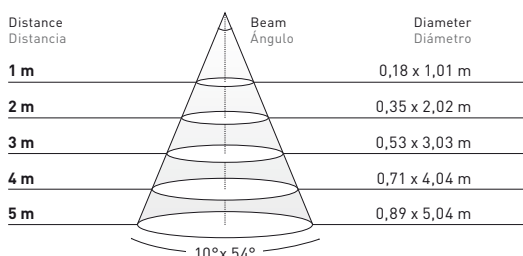


2800K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
3.034 lux	3.471 lux	3.957 lux
759 lux	868 lux	989 lux
337 lux	386 lux	440 lux
190 lux	217 lux	247 lux
121 lux	139 lux	158 lux

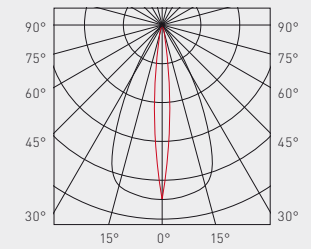


Line Grazer® 1200

48 LEDs 10°x54°

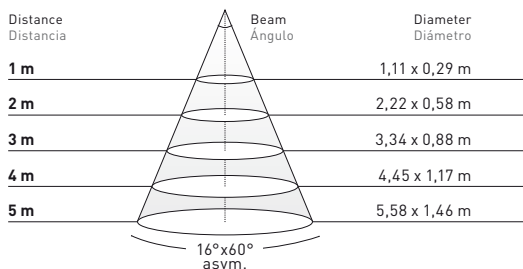


2800K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
9.429 lux	10.789 lux	12.298 lux
2.357 lux	2.697 lux	3.074 lux
1.048 lux	1.199 lux	1.366 lux
589 lux	674 lux	769 lux
377 lux	432 lux	492 lux

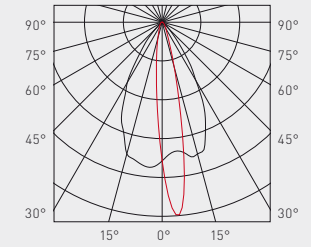


Line Grazer® 1200

48 LEDs Asym.



2800K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
4.597 lux	5.260 lux	5.995 lux
1.149 lux	1.315 lux	1.499 lux
511 lux	584 lux	666 lux
287 lux	329 lux	375 lux
184 lux	210 lux	240 lux



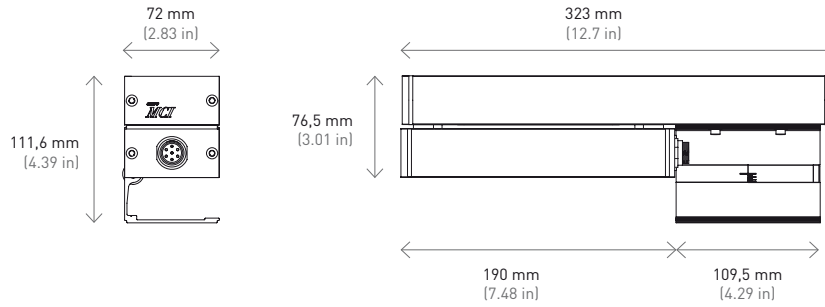
Data calculated with **Line Grazer® (48 LEDs / 1,2m)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at **www.mclight.com**.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Line Grazer® (48 LEDs / 1,2m)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en **www.mclight.com**.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

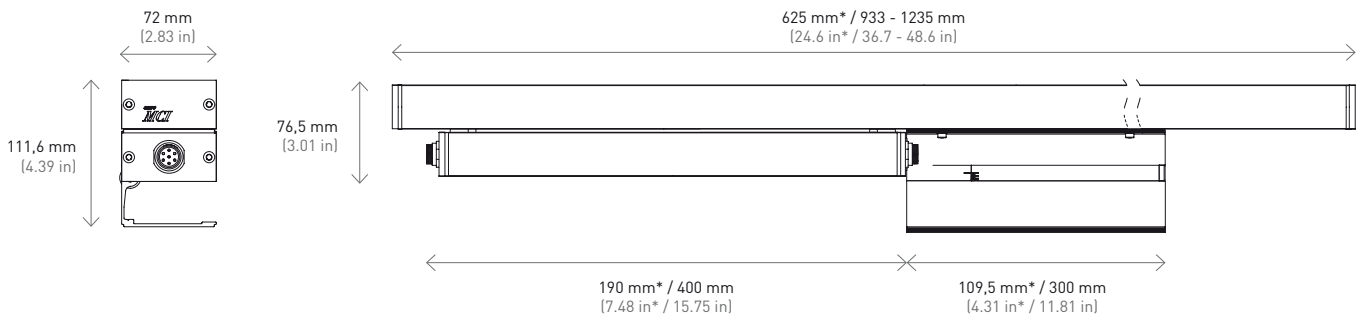


MEASURES MEDIDAS

Line Grazer® 300 Side bracket Soporte lateral



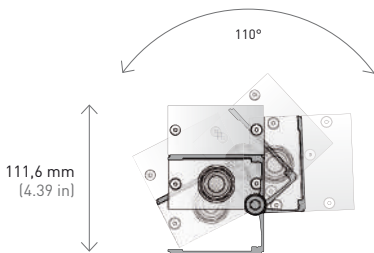
Line Grazer® 600 / 900 / 1200 Side bracket Soporte lateral



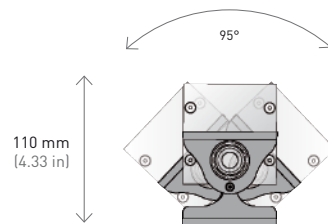
* Measures for Line Grazer® 600.
Medidas para Line Grazer® 600.

ROTATION ROTACIÓN

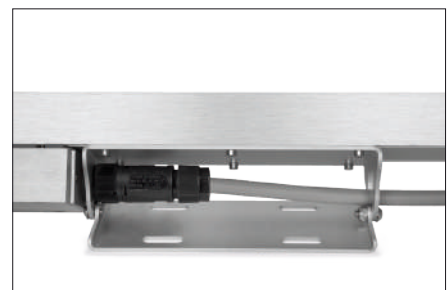
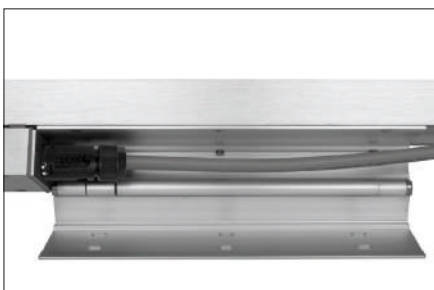
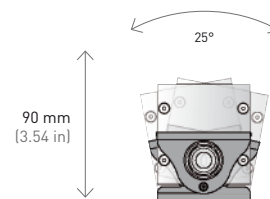
Side bracket Soporte lateral



High bracket Soporte alto



Low bracket Soporte bajo



FINISHES
ACABADOS

In order to satisfy all our customers, three different finishes are available: anodized silver, black and white.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: anodizado plata, negro y blanco.



Anodized silver.
Anodizado plata.



Black.
Negro.

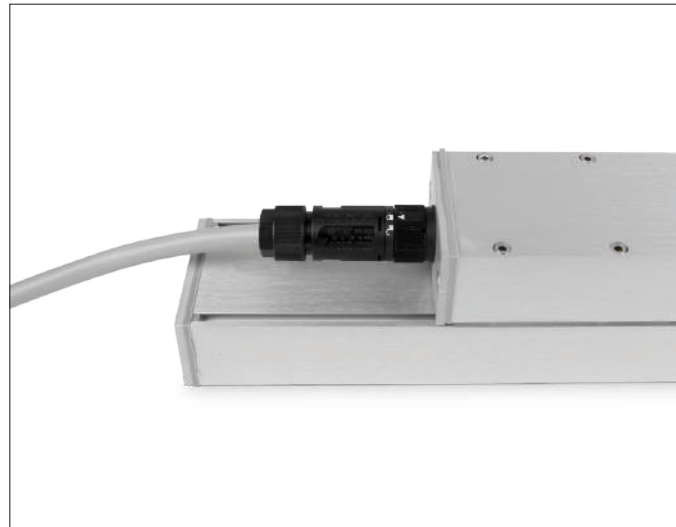
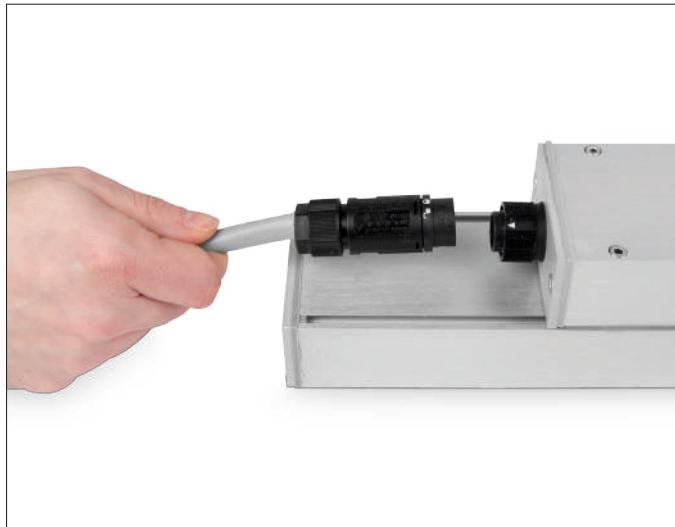


White.
Blanco.

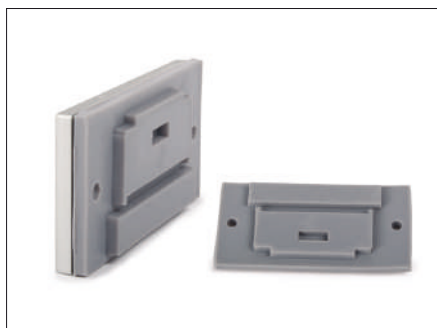
(RAL 9011)

(RAL 9003)

DETAILS
DETALLES



Line Grazer® is supplied with IP68 male-female strain-relief connectors to eliminate accidentally disconnecting the cable from the fixture.
Line Grazer® se suministra con conectores de retención macho-hembra IP68 que evitan desconexiones accidentales.

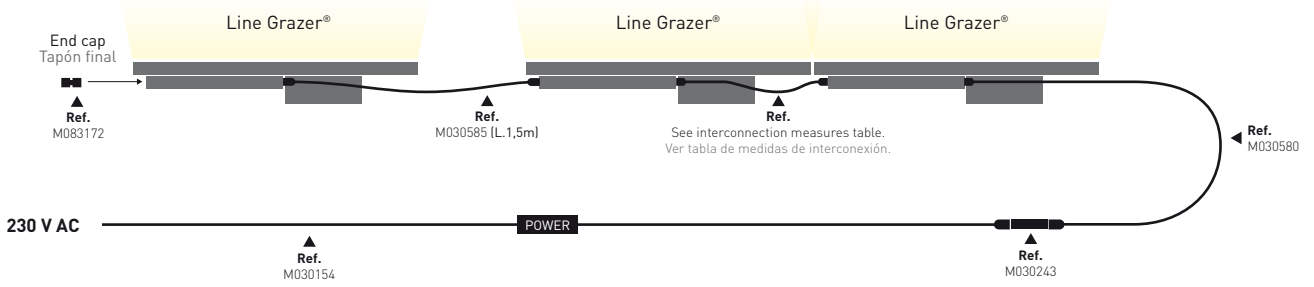


Molded silicone gasket guarantees IP66.
Junta de silicona moldeada que garantiza un IP66.

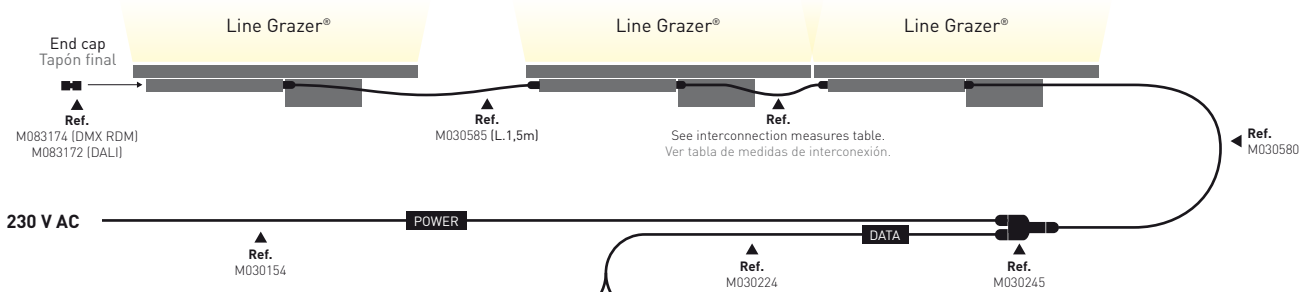


Monolithic tempered glass ensures high security protection, stability and hardness.
Cristal de seguridad monolítico templado que garantiza una alta protección, estabilidad y dureza.

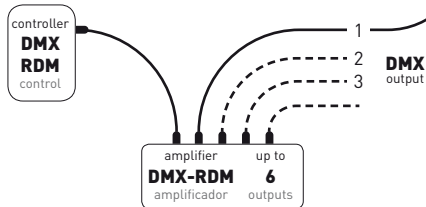
MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR



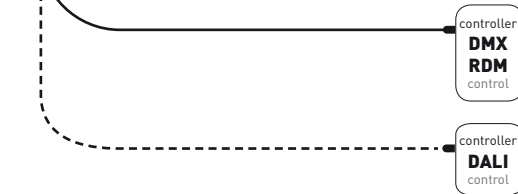
CONNECTIONS CONEXIONES



**MORE THAN 15 LINE GRAZER® WITH DMX-RDM.
PARA MÁS DE 15 LINE GRAZER® CON DMX-RDM.**



**UP TO 15 LINE GRAZER® WITH DMX-RDM.
HASTA 15 LINE GRAZER® CON DMX-RDM.**



A

**MORE THAN 15 LINE GRAZER® WITH DMX-RDM.
PARA MÁS DE 15 LINE GRAZER® CON DMX-RDM.**

Maximum 15 Line Grazer® per DMX-RDM.
Maximum 100 meters from controller to the amplifier.
Maximum 100 meters from amplifier to last Line Grazer®.

Máximo 15 Line Grazer® por salida DMX-RDM.
Máximo 100 metros del controlador al amplificador.
Máximo 100 metros del amplificador al último Line Grazer®.

B

**UP TO 15 LINE GRAZER® WITH DMX-RDM.
HASTA 15 LINE GRAZER® CON DMX-RDM.**

Maximum 15 Line Grazer® per DMX-RDM controller.
Maximum 100 meters from controller to last Line Grazer®.
Follow connection diagram type B for DALI installations.

Máximo 15 Line Grazer® por controlador DMX-RDM.
Máximo 100 metros del controlador al último Line Grazer®.
Para instalación DALI seguir el conexionado tipo B.

INTERCONNECTION MEASURES TABLE TABLA DE MEDIDAS INTERCONEXIÓN

Line Grazer® 300	Line Grazer® 600	Line Grazer® 900	Line Grazer® 1200	OUT	IN
Line Grazer® 300 only suitable for end of line. Line Grazer® 300 sólo para final de línea.	M030582	M030582	M030582	Line Grazer® 300	
	M030583	M030583	M030583	Line Grazer® 600	
	M030583	M030583	M030584	Line Grazer® 900	
	M030584	M030584	M030584	Line Grazer® 1200	

REFERENCES
REFERENCIAS

OPTIONS
OPCIONES

7501 X X X /XX/XXX

COLOR COLOR

/80/2K8	2800K
/80/4K	4000K
/80/6K	6000K
/2K8-6K	Smart white (2800K + 4000K + 6000K)
/09	Blue Azul
/11	RGB
/11-4K	RGBW

TYPE MODELO

1	300*
2	600
3	900
4	1200

FINISHES ACABADOS

0	Silver Plata
2	Black Negro
3	White Blanco

NºLEDS Nº LEDS

0	48 LEDs / 1,2 m (pitch 25 mm)
1	36 LEDs / 1,2 m (pitch 33 mm)

* Line Grazer® 300 only suitable for end of the line.
Line Grazer® 300 sólo para final de línea.

The standard version is delivered with:
Side bracket and 10°x 54° beam angle.

La versión estándar se suministra con:
Soporte lateral y ángulo de apertura de 10°x 54°.

CONTROL CONTROL

on/off**	(Standard Monocolor)
DMX-RDM	(Standard RGB/RGBW/SW)
DALI	

BRACKET SOPORTE

(110°) Side	Lateral (Standard)
(95°) High	Alto
(25°) Low	Bajo
Without	Sin (for recessed version)

BEAM ÁNGULO

9°	
10°x 54°	(Standard)
28°	
45°	
Asymetric	Asimétrica

** Only available in monocolour version.
Sólo disponible en versión monocolor.

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS

1



2



3



4



5



6



M030580	2 m power cable (5 poles-female)	Cable alimentación 2 m (5 polos-hembra)	1
	See interconnection table (previous page).	Ver tabla de interconexión (página anterior).	
M030582	0,4 m extension cable (5 poles)	Cable extensión 0,4 m (5 polos)	
M030583	0,6 m extension cable (5 poles)	Cable extensión 0,6 m (5 polos)	2
M030584	0,9 m extension cable (5 poles)	Cable extensión 0,9 m (5 polos)	
M030585	1,5 m extension cable (5 poles)	Cable extensión 1,5 m (5 polos)	
M083174	120 OHM end cap (5 poles-male) DMX RDM	Tapón final 120 OHM (5 polos-macho) DMX RDM	3
	Custom assembly for installers.	Para el montaje a medida por el instalador.	
M083166	IP68 connector (5 poles-male)	Conector aereo IP68 (5 polos-macho)	
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aereo IP68 (5 polos-hembra)	
M083172	End cap (female) On-off DALI	Tapón final (hembra) On-off DALI	
M030400/C12	2 x AWG22 + 3 x 1,5 mm² cable (m)	Cable 2 x AWG22 + 3 x 1,5 mm² (m)	
	For installation.	Para instalación.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	4
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	5
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
7150203	DMX Addresser Setup	DMX Addresser Setup	6

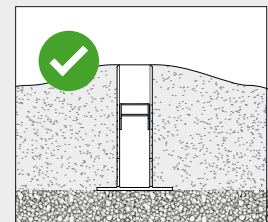
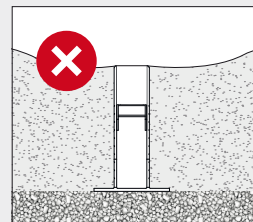
To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

RECESSED BOX CAJETÍN DE EMPOTRAR



Easy Plug&Play system for a fast installation in the recessed box. Polyethylene foam protects the recessed box of concrete dilatations.

Unión rápida que permite montar con facilidad la luminaria en la caja de empotrar. La junta de polietileno absorbe las dilataciones del hormigón.



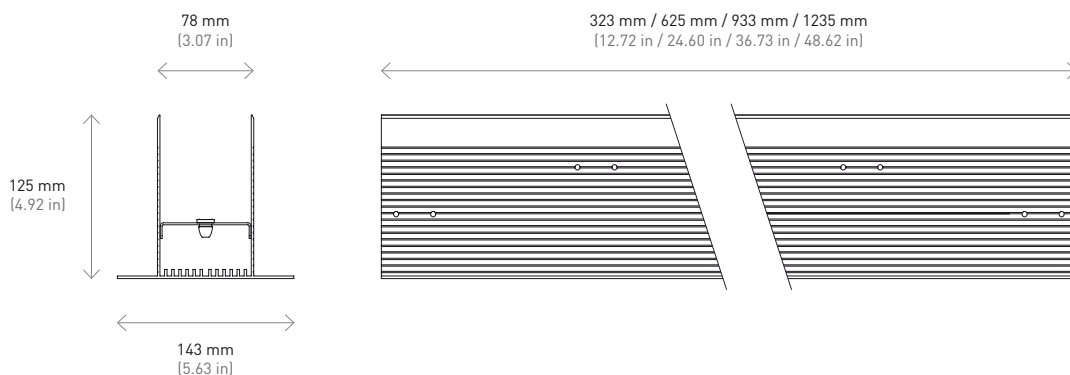
Temporarily immersion protection

A crushed stone surrounding the recessed box is recommended for a correct drainage. Avoid its placing in ground depression.

Incorrect drainage, may cause the loss of warranty.

Para un drenaje correcto se recomienda una capa de grava alrededor de la caja de empotramiento. Evite su colocación en depresiones del terreno.

Un drenaje incorrecto puede significar la pérdida de garantía.



REFERENCES REFERENCIAS

7501094/C12	Recessed box 1200	Cajetín de empotrar 1200
7501093/C12	Recessed box 900	Cajetín de empotrar 900
7501092/C12	Recessed box 600	Cajetín de empotrar 600
7501091/C12	Recessed box 300	Cajetín de empotrar 300



7501095	Fixation kit box	Kit unión cajetín	1
7101196	Centric extraction tool	Útil extracción en línea	2



Real Fábrica de Cristales de La Granja,
Segovia, Spain

Amandolier building,
Geneva , Switzerland



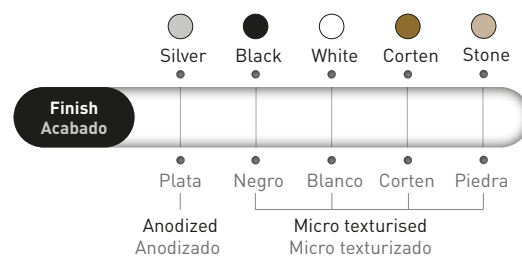
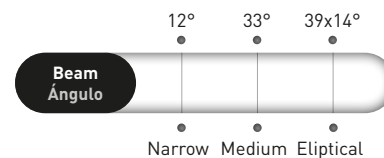
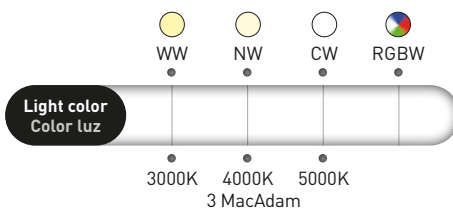
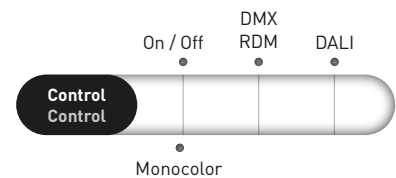
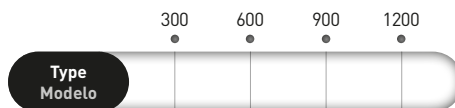
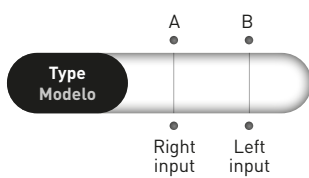


LINE GRAZER® PLUS



LINE GRAZER® PLUS

- Powerful wall washer up to 30m
- Lumens output up to 10500lm
- Antiglare luminaire
- Flush wall washer
- 3 beam angles: 12°, 33° and 39x14°
- Perfect color mixing
- Easy serial connection
- Bañador de paredes potente hasta 30m
- Lumens output hasta 10500lm
- Luminaria antideslumbrante
- Bañado de luz a ras de la luminaria
- 3 ángulos de apertura: 12°, 33° y 39x14°
- Mezcla de colores perfecta
- Fácil conexión en serie



The standard version is delivered with DMX, floor-wall bracket and 39x14° beam angle.
La versión estándar se suministra con DMX, soporte suelo-pared y un ángulo de apertura de 39x14°.

SPECIFICATIONS CARACTERÍSTICAS

IP66	IK09	CRI 80	on/off	DMX RDM	DALI	100-277V AC		AL Housing	Security GLASS Cover	Ta -20°C min -4°F Ta +50°C max +122°F	CE
------	------	--------	--------	------------	------	----------------	--	---------------	----------------------------	--	----

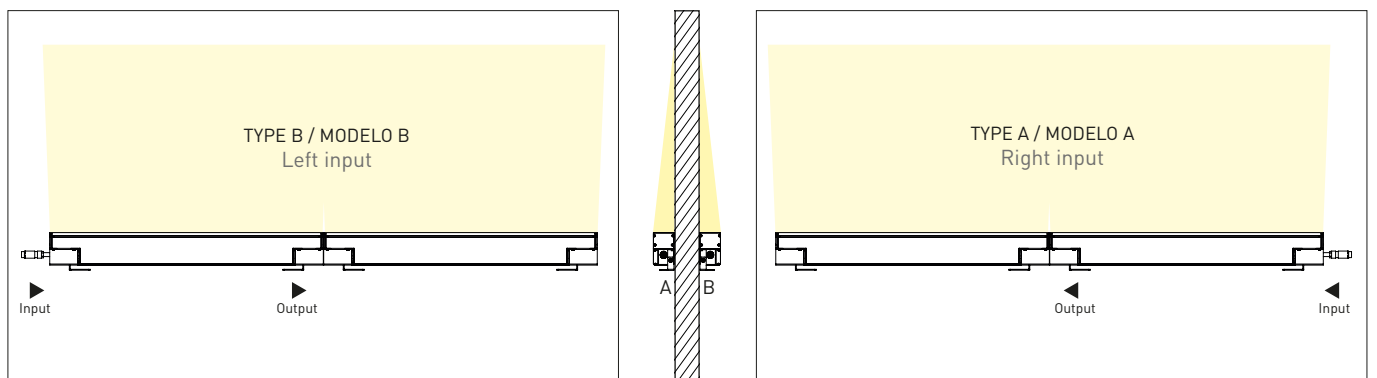
Line Grazer® PLUS 1200											
Power	130W (20 LEDs)										
Color temperature	3000K	4000K	5000K	RGBW							
				Red	Green	Blue	4000K	R+G+B+W			
Lumens output	12° - 9824 lm 33° - 8932 lm 39x14 - 9376 lm	12° - 10464 lm 33° - 9512 lm 39x14 - 9988 lm	12° - 10464 lm 33° - 9512 lm 39x14 - 9988 lm	12° - 1100 lm 33° - 1000 lm 39x14 - 1050 lm	1516 lm 1380 lm 1450 lm	308 lm 280 lm 294 lm	1908 lm 1736 lm 1823 lm	4110 lm 3736 lm 3923 lm			
Luminaire efficiency	76 lm/W	80 lm/W	80 lm/W	31 lm/W							
Measures / Weight	1221 x 127 x 72 mm / 8 kg										

Line Grazer® PLUS 900											
Power	97W (15 LEDs)										
Color temperature	3000K	4000K	5000K	RGBW							
				Red	Green	Blue	4000K	R+G+B+W			
Lumens output	12° - 7368 lm 33° - 6699 lm 39x14 - 7032 lm	12° - 7848 lm 33° - 7134 lm 39x14 - 7490 lm	12° - 7848 lm 33° - 7134 lm 39x14 - 7490 lm	12° - 825 lm 33° - 750 lm 39x14 - 788 lm	1137 lm 1035 lm 1087 lm	231 lm 210 lm 220 lm	1431 lm 1302 lm 1368 lm	3081 lm 2802 lm 2942 lm			
Luminaire efficiency	76 lm/W	80 lm/W	80 lm/W	31 lm/W							
Measures / Weight	921 x 127 x 72 mm / 6,1 kg										

Line Grazer® PLUS 600											
Power	65W (10 LEDs)										
Color temperature	3000K	4000K	5000K	RGBW							
				Red	Green	Blue	4000K	R+G+B+W			
Lumens output	12° - 4912 lm 33° - 4466 lm 39x14 - 4688 lm	12° - 5232 lm 33° - 4756 lm 39x14 - 4994 lm	12° - 5232 lm 33° - 4756 lm 39x14 - 4994 lm	12° - 550 lm 33° - 500 lm 39x14 - 525 lm	758 lm 690 lm 724 lm	154 lm 140 lm 147 lm	954 lm 868 lm 911 lm	2025 lm 1868 lm 1962 lm			
Luminaire efficiency	76 lm/W	80 lm/W	80 lm/W	31 lm/W							
Measures / Weight	621 x 127 x 72 mm / 4 kg										

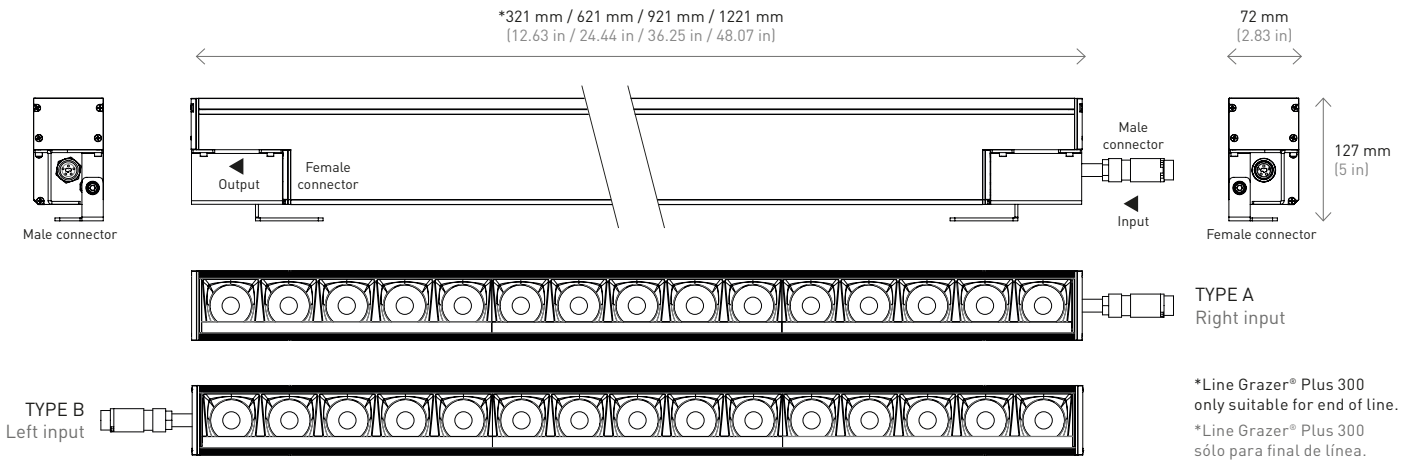
Line Grazer® PLUS 300											
Power	33W (5 LEDs)										
Color temperature	3000K	4000K	5000K	RGBW							
				Red	Green	Blue	4000K	R+G+B+W			
Lumens output	12° - 2456 lm 33° - 2233 lm 39x14 - 2344 lm	12° - 2616 lm 33° - 2378 lm 39x14 - 2497 lm	12° - 2616 lm 33° - 2378 lm 39x14 - 2497 lm	12° - 275 lm 33° - 250 lm 39x14 - 262 lm	379 lm 345 lm 362 lm	77 lm 70 lm 74 lm	477 lm 434 lm 456 lm	1027 lm 934 lm 981 lm			
Luminaire efficiency	76 lm/W	80 lm/W	80 lm/W	31 lm/W							
Measures / Weight	321 x 127 x 72 mm / 1,9 kg										

Color temperature conform to ANSI C78.377A. Temperatura de color según normativa ANSI C78.377A.
Lumens measurement conform to LM-79-08. Medición lumens según normativa LM-79-08.
Lumens maintenance conform to LM-80-08. Mantenimiento lumens según normativa LM-80-08.

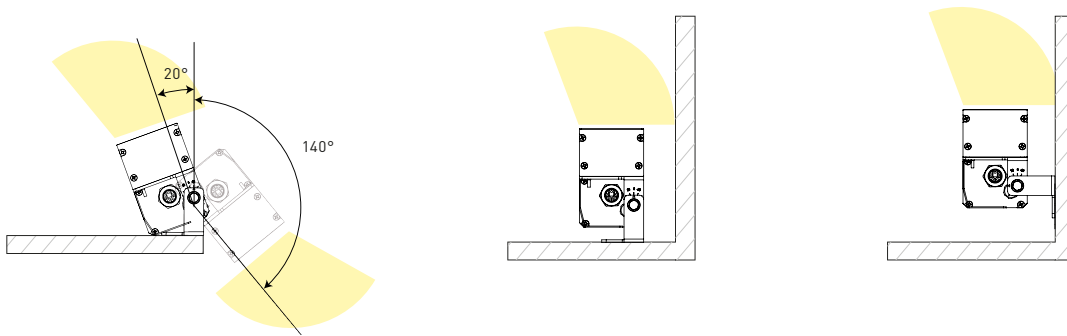


LINE GRAZER® PLUS

MEASURES MEDIDAS



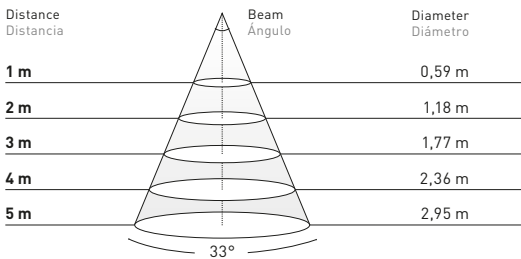
ROTATION ROTACIÓN



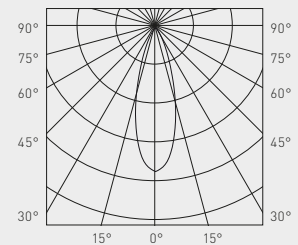
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Line Grazer® Plus RGBW

33 W 33°

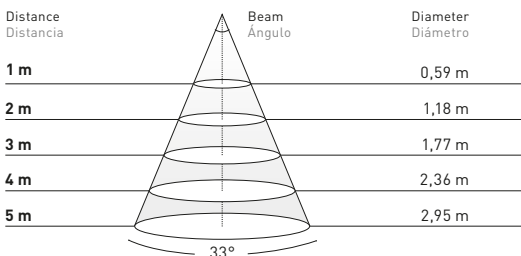


R	G	B	W	R+G+B+W
RED ROJO	GREEN VERDE	BLUE AZUL	WHITE BLANCO	
614 lux	854 lux	172 lux	1094 lux	2341 lux
153 lux	214 lux	43 lux	274 lux	585 lux
68 lux	95 lux	19 lux	122 lux	260 lux
38 lux	53 lux	11 lux	68 lux	146 lux
25 lux	34 lux	7 lux	44 lux	94 lux

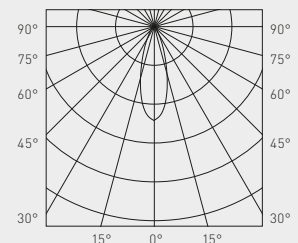


Line Grazer® Plus

33 W 33°



3000K	4000K	5000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
5522 lux	5880 lux	5880 lux
1380 lux	1470 lux	1470 lux
613 lux	653 lux	653 lux
345 lux	368 lux	368 lux
221 lux	236 lux	236 lux



Data calculated with **Line Grazer® Plus (300 mm)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Line Grazer® Plus (300 mm)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

FINISHES ACABADOS

In order to satisfy all our customers, five different versions are available: silver, black, white, corten and stone.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en cinco acabados: plata, negro, blanco, corten y piedra..



Anodized silver.
Plata anodizado.



Micro texturised black.
Negro micro texturizado.



Micro texturised white.
Blanco micro texturizado.

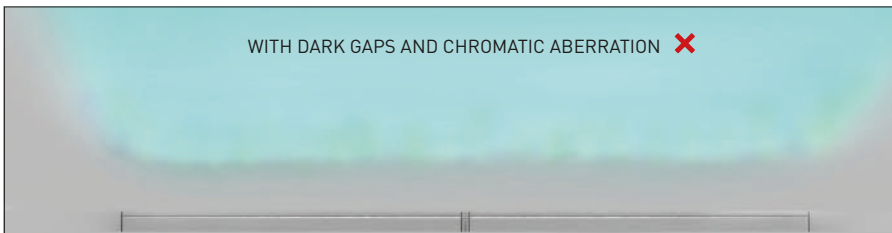


Micro texturised corten.
Corten micro texturizado.

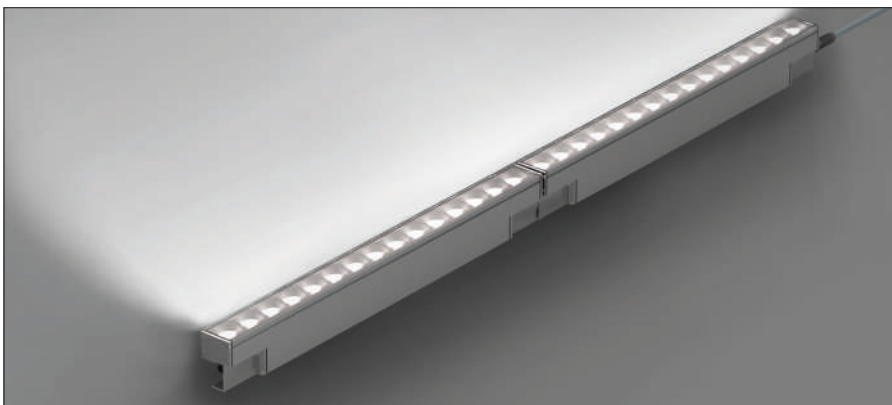


Micro texturised stone.
Piedra micro texturizado.

DETAILS DETALLES



Homogeneous wall washer effect, without dark gaps.
Bañador de pared uniforme, sin zonas oscuras.



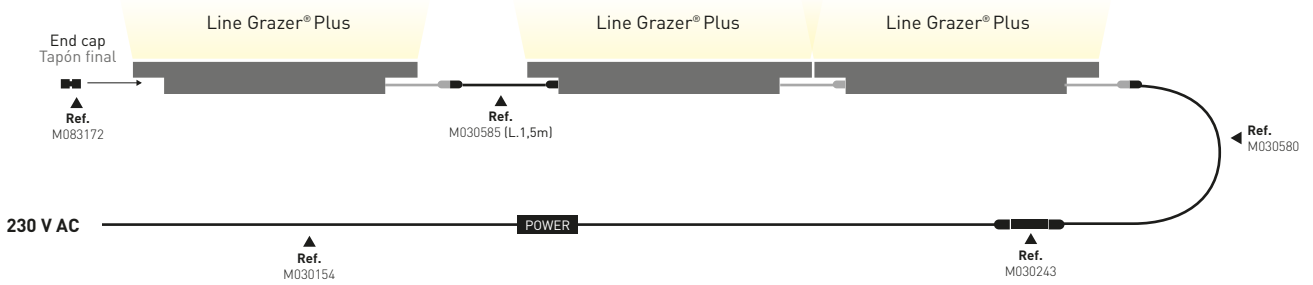
Flush wall washer. Invisible wiring between luminaires.
Bañado de luz a ras de la luminaria. Cableado oculto entre luminarias.



Antiglare luminaire.
Luminaria antideslumbrante.

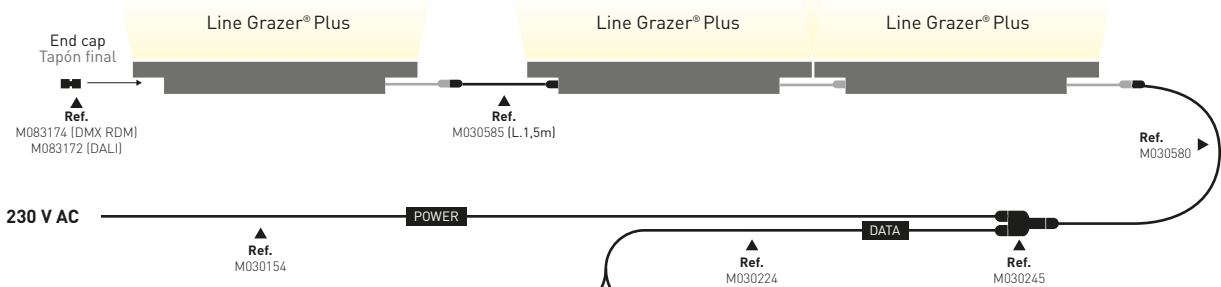
LINE GRAZER® PLUS

MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR

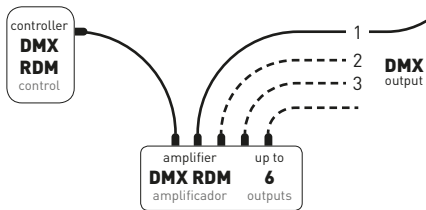


! Maximum 8 units of Line Grazer Plus per on-off connection
Máximo de 8 Line Grazer Plus por conexión on-off

DMX RDM CONNECTIONS CONEXIONES DMX RDM



**MORE THAN 8 LINE GRAZER® PLUS WITH DMX RDM.
PARA MÁS DE 8 LINE GRAZER® PLUS CON DMX RDM.**



A

**MORE THAN 8 LINE GRAZER® PLUS WITH DMX RDM.
PARA MÁS DE 8 LINE GRAZER® PLUS CON DMX RDM.**

Maximum 8 Line Grazer® Plus per DMX RDM output.
Maximum 100 meters from controller to the amplifier.
Maximum 100 meters from amplifier to last Line Grazer® Plus.

Máximo 8 Line Grazer® Plus por salida DMX RDM.
Máximo 100 metros del controlador al amplificador.
Máximo 100 metros del amplificador al último Line Grazer® Plus.

**UP TO 8 LINE GRAZER® PLUS WITH DMX.
HASTA 8 LINE GRAZER® PLUS CON DMX.**



B

**UP TO 8 LINE GRAZER® PLUS WITH DMX RDM.
HASTA 8 LINE GRAZER® PLUS CON DMX RDM.**

Maximum 8 Line Grazer® Plus per DMX RDM controller.
Maximum 100 meters from controller to last Line Grazer® Plus.
Follow connection diagram type B for DALI installations.

Máximo 8 Line Grazer® Plus por controlador DMX RDM.
Máximo 100 metros del controlador al último Line Grazer® Plus.
Para instalación DALI seguir el conexionado tipo B.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS

1	2	3	4	5	6
					
M030580	2 m power cable (5 poles-female)		Cable alimentación 2 m (5 polos-hembra)		1
M030585	1,5 m extension cable (5 poles)		Cable extensión 1,5 m (5 polos)		2
M083174	120 OHM end cap (5 poles-male) DMX RDM		Tapón final 120 OHM (5 polos-macho) DMX RDM		3
	Custom assembly for installers.		Para el montaje a medida por el instalador.		
M083166	IP68 connector (5 poles-male)		Conector aereo IP68 (5 polos-macho)		
M083173	End cap (male)		Tapón final (macho)		
M083167	IP68 connector (5 poles-female)		Conector aereo IP68 (5 polos-hembra)		
M083172	End cap (female) On-off DALI		Tapón final (hembra) On-off DALI		
M030400/C12	2 x AWG22 + 3 x 1,5 mm ² cable (m)		Cable 2 x AWG22 + 3 x 1,5 mm ² (m)		
	For installation.		Para instalación.		
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)		Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)		4
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)		Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)		5
M030154	3 x 1,5 mm ² H07RN-F cable (m)		Cable 3 x 1,5 mm ² H07RN-F (m)		
M030224	BELDEN 3105A cable (m)		Cable BELDEN 3105A (m)		
7150203	DMX Addresser Setup		DMX Addresser Setup		6

REFERENCES REFERENCIAS

75510 X X /XX/XX

COLOR COLOR

/80/3K 3000K
/80/4K 4000K
/80/5K 5000K
/11-4K RGBW

TYPE MODELO

1	300*	Type A
2	600	
3	900	
4	1200	
6	300*	Type B
7	600	
8	900	
9	1200	

FINISHES ACABADOS

0	Anodized silver	Plata anodizado
2	Texturised black	Negro texturizado
3	Texturised white	Blanco texturizado
4	Texturised corten	Corten texturizado
5	Texturised stone	Piedra texturizado

* Line Grazer® Plus 300 only suitable for end of the line.
Line Grazer® Plus 300 sólo para final de línea.

OPTIONS OPCIONES

The standard version is delivered with:
DMX, floor-wall bracket and 39x14° beam angle.

La versión estándar se suministra con:
DMX, soporte suelo-pared y un ángulo de apertura de 39x14°.

CONTROL CONTROL

on/off (monocolor)
DMX RDM (Standard)
DALI

BEAM ÁNGULO

12°
33°
39x14° (Standard)

Amandolier building,
Geneva, Switzerland



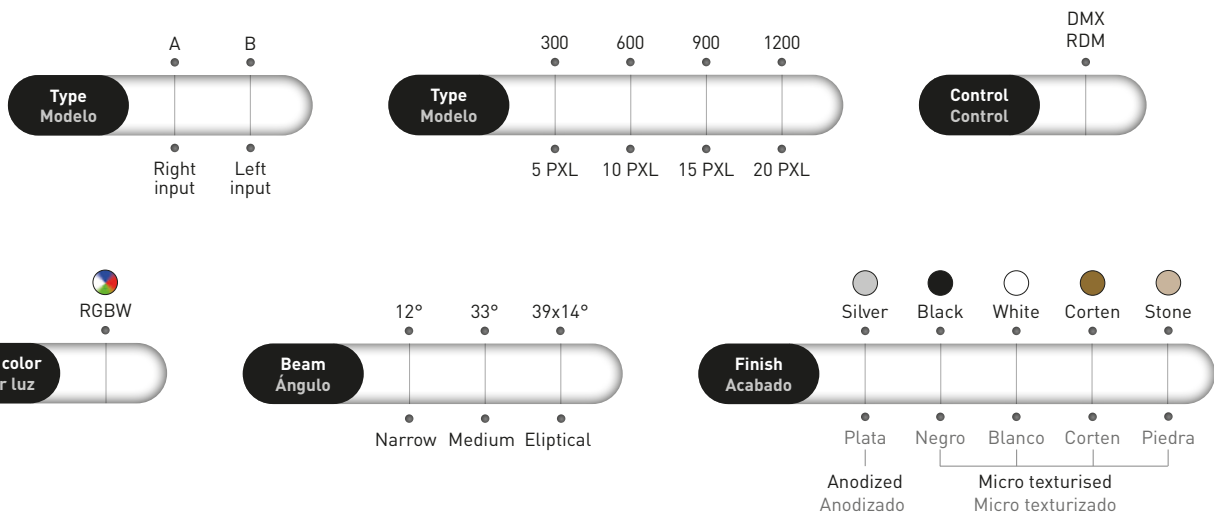


LINE GRAZER® PLUS PIXEL



LINE GRAZER® PLUS PIXEL

- Lineal fixture controllable pixel by pixel for media applications
 - Custom-made fixture to control each 1, 2, 4, 5 or 10 pixels
 - Powerful wall washer up to 10m
 - Lumens output up to 3500lm
 - Antiglare luminaire
 - Flush wall washer
 - 3 beam angles: 12°, 33° and 39x14°
 - Perfect color mixing
 - Easy serial connection
- Luminaria lineal controlable pixel a pixel para aplicaciones interactivas
 - Luminaria personalizable cada 1, 2, 4, 5 o 10 pixels
 - Bañador de paredes potente hasta 10m
 - Lumens output hasta 3500lm
 - Luminaria antideslumbrante
 - Bañado de luz a ras de la luminaria
 - 3 ángulos de apertura: 12°, 33° y 39x14°
 - Mezcla de colores perfecta
 - Fácil conexión en serie



*The standard version is delivered with DMX RDM, controllable pixel by pixel, with floor-wall bracket and 39x14° beam angle.
La versión estándar se suministra con DMX RDM, controlable pixel a pixel, con soporte suelo-pared y un ángulo de apertura de 39x14°.*

SPECIFICATIONS CARACTERÍSTICAS

IP66	IK09	CRI 80	DMX RDM	100-277V AC		AL Housing	Security GLASS Cover	Ta min -20°C -4°F Ta max +50°C +122°F	CE
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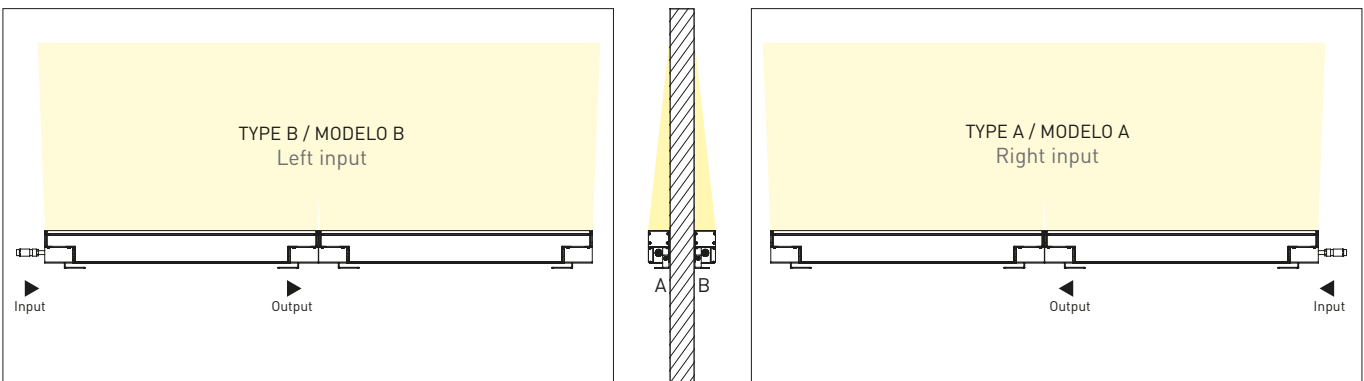
Line Grazer® PLUS PIXEL 1200						
Power	100W (20 PIXEL)					
Color temperature	RGBW					
		Red	Green	Blue	4000K	R+G+B+W
Lumens output	12° - 33° - 39x14 -	882 lm 789 lm 840 lm	1502 lm 1359 lm 1430 lm	192 lm 174 lm 183 lm	1388 lm 1256 lm 1322 lm	3554 lm 3216 lm 3385 lm
Luminaire efficiency	35 lm/W					
Measures / Weight	1221 x 127 x 72 mm / 8 kg					

Line Grazer® PLUS PIXEL 900						
Power	78W (15 PIXEL)					
Color temperature	RGBW					
		Red	Green	Blue	4000K	R+G+B+W
Lumens output	12° - 33° - 39x14 -	660 lm 600 lm 630 lm	1128 lm 1020 lm 1074 lm	144 lm 132 lm 138 lm	1041 lm 942 lm 990 lm	2667 lm 2412 lm 2540 lm
Luminaire efficiency	35 lm/W					
Measures / Weight	921 x 127 x 72 mm / 6,1 kg					

Line Grazer® PLUS PIXEL 600						
Power	54W (10 PIXEL)					
Color temperature	RGBW					
		Red	Green	Blue	4000K	R+G+B+W
Lumens output	12° - 33° - 39x14 -	441 lm 399 lm 420 lm	751 lm 680 lm 715 lm	96 lm 87 lm 92 lm	694 lm 627 lm 661 lm	1777 lm 1608 lm 1693 lm
Luminaire efficiency	35 lm/W					
Measures / Weight	621 x 127 x 72 mm / 4 kg					

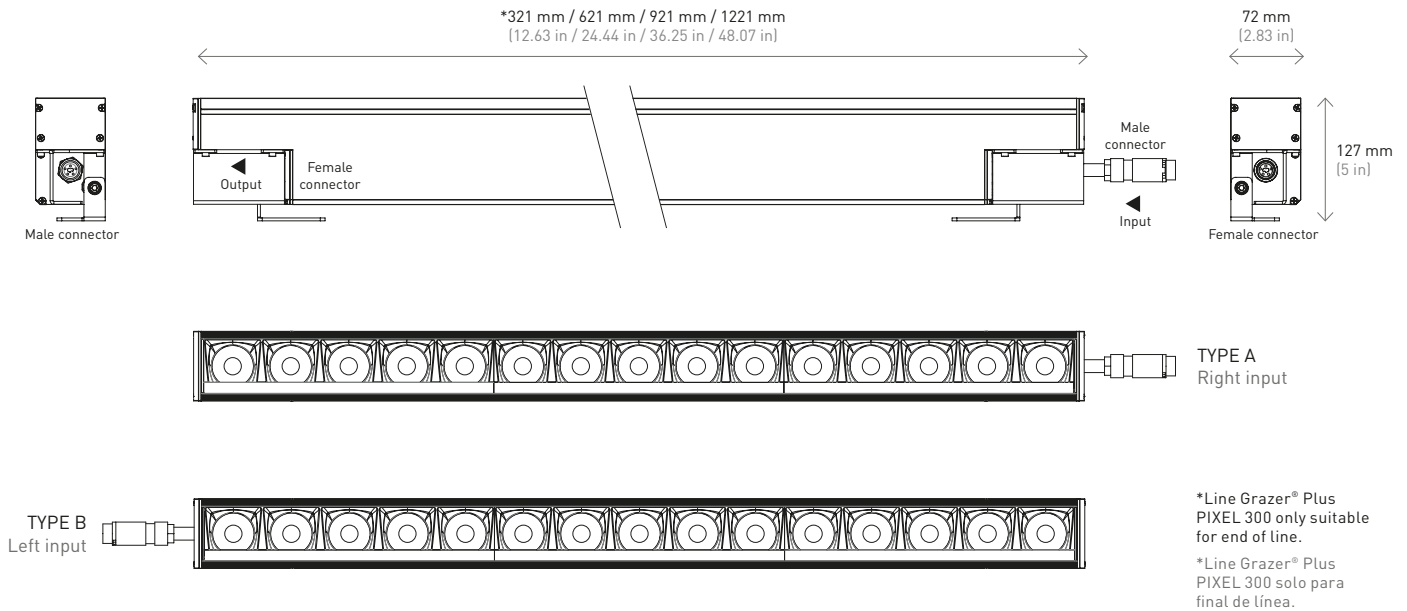
Line Grazer® PLUS PIXEL 300						
Power	26W (5 PIXEL)					
Color temperature	RGBW					
		Red	Green	Blue	4000K	R+G+B+W
Lumens output	12° - 33° - 39x14 -	220 lm 200 lm 210 lm	376 lm 340 lm 358 lm	48 lm 44 lm 46 lm	347 lm 314 lm 330 lm	889 lm 804 lm 847 lm
Luminaire efficiency	35 lm/W					
Measures / Weight	321 x 127 x 72 mm / 1,9 kg					

Color temperature conform to ANSI C78.377A. Temperatura de color según normativa ANSI C78.377A.
Lumens measurement conform to LM-79-08. Medición lumens según normativa LM-79-08.
Lumens maintenance conform to LM-80-08. Mantenimiento lumens según normativa LM-80-08.

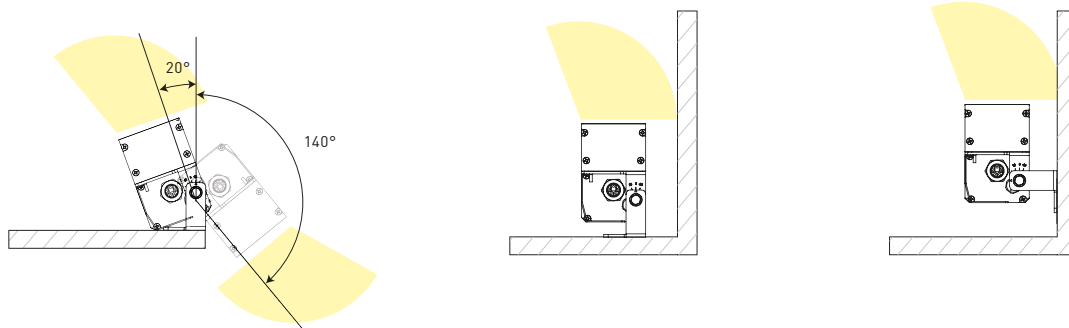


LINE GRAZER® PLUS PIXEL

MEASURES MEDIDAS



ROTATION ROTACIÓN



LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Line Grazer® Plus PIXEL RGBW

100 W

39°x14°

Distance Distancia	Beam Ángulo	Diameter Diámetro	R RED ROJO	G GREEN VERDE	B BLUE AZUL	W WHITE BLANCO	R+G+B+W	
1 m		0,21 x 0,88 m	3698 lux	6572 lux	802 lux	5845 lux	15213 lux	
2 m		0,42 x 1,76 m	925 lux	1643 lux	201 lux	1461 lux	3803 lux	
3 m		0,62 x 2,64 m	411 lux	730 lux	89 lux	649 lux	1690 lux	
4 m		0,83 x 3,52 m	231 lux	411 lux	50 lux	365 lux	951 lux	
5 m		1,04 x 4,40 m	148 lux	263 lux	32 lux	234 lux	609 lux	

Data calculated with **Line Grazer® Plus PIXEL (1200 mm)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Line Grazer® Plus PIXEL (1200 mm)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

FINISHES
ACABADOS

In order to satisfy all our customers, five different versions are available: silver, black, white, corten and stone.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en cinco acabados: plata, negro, blanco, corten y piedra..



Anodized silver.
Plata anodizado.



Micro textured black.
Negro micro texturizado.



Micro textured white.
Blanco micro texturizado.



Micro textured corten.
Corten micro texturizado.



Micro textured stone.
Piedra micro texturizado.

DETAILS
DETALLES



Controlable pixel a pixel
Controllable pixel by pixel



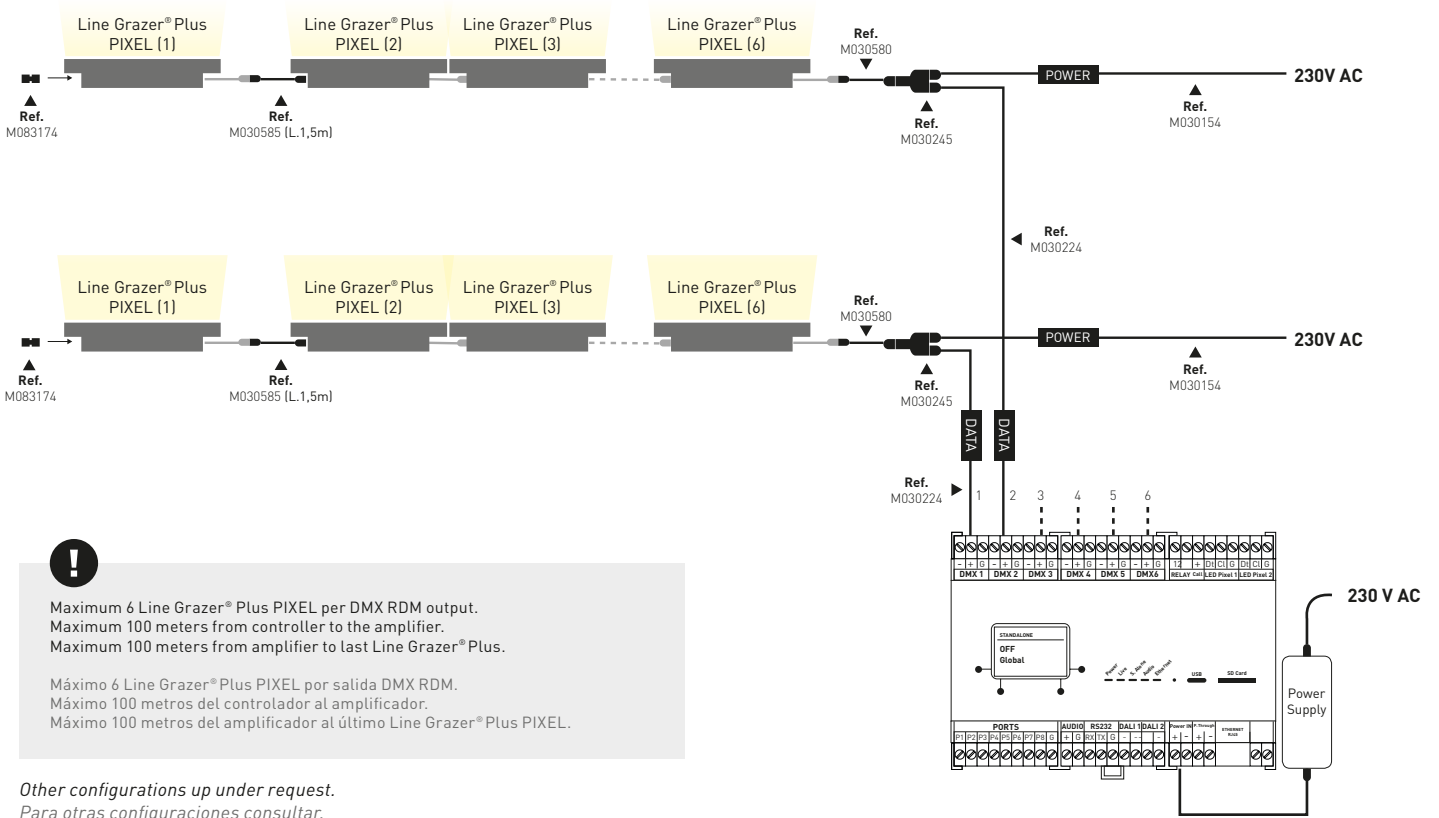
Controlable cada 2 pixels
Controllable each two pixels



Controlable cada 5 pixels
Controllable each five pixels

LINE GRAZER® PLUS PIXEL

CONNECTIONS CONEXIONES



MODEL	Line Grazer® Plus PIXEL 300mm	Line Grazer® Plus PIXEL 600mm	Line Grazer® Plus PIXEL 900mm	Line Grazer® Plus PIXEL 1200mm
Nº PIXELS (PXL)	5 PXL	10 PXL	15 PXL	20 PXL
CONTROLLABLE PIXELS	1 PXL / 5 PXL	1 PXL / 2 PXL / 5 PXL	1 PXL / 3 PXL / 5 PXL	1 PXL / 2 PXL / 4 PXL / 5 PXL / 10 PXL

CONTROLLER REFERENCE REFERENCIA CONTROLADOR

1



7150680 6 univers DMX-RDM + ART-NET + SPI + DALI controller / DINA DR1 Controlador 6 universos DMX-RDM + ART-NET + SPI + DALI / DINA DR1

1

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M030580	2 m power cable (5 poles-female)	Cable alimentación 2 m (5 polos-hembra)	1
M030585	1,5 m extension cable (5 poles)	Cable extensión 1,5 m (5 polos)	2
M083174	120 OHM end cap (5 poles-male)	Tapón final 120 OHM (5 polos-macho)	3
	Custom assembly for installers.	Para el montaje a medida por el instalador.	
M083166	IP68 connector (5 poles-male)	Conector aereo IP68 (5 polos-macho)	
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aereo IP68 (5 polos-hembra)	
M083172	End cap (female)	Tapón final (hembra)	
M030400/C12	2 x AWG22 + 3 x 1,5 mm ² cable (m)	Cable 2 x AWG22 + 3 x 1,5 mm ² (m)	
	For installation.	Para instalación.	
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	4
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	

REFERENCES REFERENCIAS

75511 X X /XX/XX

COLOR COLOR

/11-4K RGBW

TYPE MODELO

1	300*	Type A
2	600	
3	900	
4	1200	
6	300*	Type B
7	600	
8	900	
9	1200	

FINISHES ACABADOS

0	Anodized silver	Plata anodizado
2	Texturised black	Negro texturizado
3	Texturised white	Blanco texturizado
4	Texturised corten	Corten texturizado
5	Texturised stone	Piedra texturizado

* Line Grazer® Plus PIXEL 300 only suitable for end of the line.
Line Grazer® Plus PIXEL 300 solo para final de línea.

OPTIONS OPCIONES

The standard version is delivered with:
DMX RDM, controllable pixel by pixel, with floor-wall bracket
and 39x14° beam angle.

La versión estándar se suministra con:
DMX RDM, controlable pixel a pixel, con soporte suelo-pared
y un ángulo de apertura de 39x14°.

BEAM ÁNGULO

12°
33°
39x14° **(Standard)**

Disfrutar Restaurant,
Barcelona, Spain





LED FLOOD STRIP®



LED FLOOD STRIP®

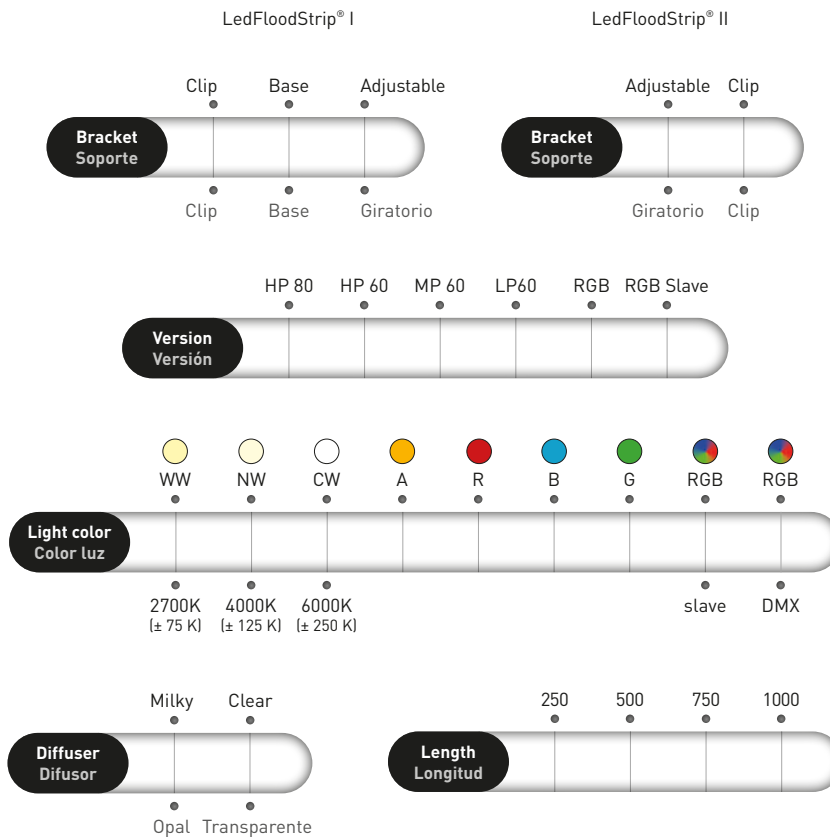
LED FLOOD STRIP I
LED FLOOD STRIP II

- Multifunctional lineal light
 - Variety of types and powers (up to 23 W/m)
 - Easy installation and dimmable
 - Small dimensions
 - Easy serial connection, up to 10 m
 - Adjustable and not adjustable types
- Luz lineal multifuncional
 - Gran variedad de modelos y potencias (hasta 23 W/m)
 - Fácil instalación y dimerizable
 - Reducidas dimensiones
 - Fácil conexión en serie, hasta 10 m
 - Modelos fijos y orientables



LED FLOOD STRIP I

LED FLOOD STRIP II



The LedFloodStrip® I standard version is delivered with clips
La versión estándar LedFloodStrip® I se suministra con clips.

The LedFloodStrip® I & II standard version is delivered with clear diffuser.
La versión estándar LedFloodStrip® I y II se suministra con difusor transparente.

SPECIFICATIONS
CARACTERÍSTICAS


LedFloodStrip® I/II RGB / RGB SLAVE				
	1000	750	500	250
Power	17,3W (60 LEDs)	13W (45 LEDs)	8,7W (30 LEDs)	4,8W (15 LEDs)
Lumens output	448 lm	336 lm	220 lm	112 lm
Luminaire efficiency	26 lm/W	26 lm/W	25 lm/W	25 lm/W
Measures / Weight	1010 x 32 x 16 mm / 660 gr	760 x 32 x 16 mm / 540 gr	510 x 32 x 16 mm / 405 gr	260 x 32 x 16 mm / 280 gr

LedFloodStrip® I/II HP 80				
1000				
Power	23,2W (80 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	1820 lm	1890 lm	1950 lm	
Luminaire efficiency	78 lm/W	81 lm/W	84 lm/W	
Measures / Weight	1010 x 32 x 16 mm / 660 gr			
750				
Power	17,4W (60 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	1369 lm	1410 lm	1464 lm	
Luminaire efficiency	78 lm/W	81 lm/W	84 lm/W	
Measures / Weight	760 x 32 x 16 mm / 540 gr			
500				
Power	11,6W (40 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	905 lm	940 lm	976 lm	
Luminaire efficiency	78 lm/W	81 lm/W	84 lm/W	
Measures / Weight	510 x 32 x 16 mm / 405 gr			
250				
Power	5,8W (20 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	448 lm	470 lm	485 lm	
Luminaire efficiency	78 lm/W	81 lm/W	84 lm/W	
Measures / Weight	260 x 32 x 16 mm / 280 gr			

LedFloodStrip® I/II HP 60				
1000				
Power	17,6W (60 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	1369 lm	1410 lm	1464 lm	
Luminaire efficiency	78 lm/W	80 lm/W	83 lm/W	
Measures / Weight	1010 x 32 x 16 mm / 660 gr			
750				
Power	13,2W (45 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	1020 lm	1058 lm	1095 lm	
Luminaire efficiency	77 lm/W	80 lm/W	83 lm/W	
Measures / Weight	760 x 32 x 16 mm / 540 gr			
500				
Power	8,8W (30 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	673 lm	695 lm	729 lm	
Luminaire efficiency	76 lm/W	79 lm/W	83 lm/W	
Measures / Weight	510 x 32 x 16 mm / 405 gr			
250				
Power	4,4W (15 LEDs)			
Color temperature	2700K	4000K	6000K	
Lumens output	305 lm	332 lm	350 lm	
Luminaire efficiency	69 lm/W	75 lm/W	80 lm/W	
Measures / Weight	260 x 32 x 16 mm / 280 gr			

Other types on next page >>>
 Otros modelos en página siguiente >>>

Color temperature conform to **ANSI C78.377A**.
 Lumens measurement conform to **LM-79-08**.
 Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
 Medición lumens según normativa **LM-79-08**.
 Mantenimiento lumens según normativa **LM-80-08**.

SPECIFICATIONS CARACTERÍSTICAS

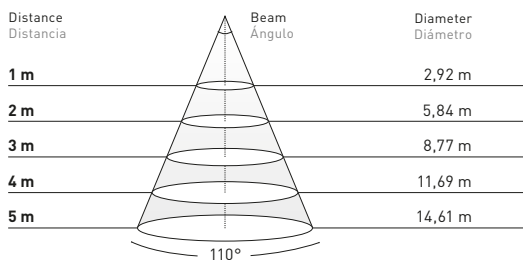
LedFloodStrip® I/II MP 60			
1000			
Power	11,6W (60 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	980 lm	1.024 lm	1.070 lm
Luminaire efficiency	84 lm/W	88 lm/W	92 lm/W
Measures / Weight	1010 x 32 x 16 mm / 660 gr		
750			
Power	8,7W (45 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	730 lm	768 lm	802 lm
Luminaire efficiency	84 lm/W	88 lm/W	92 lm/W
Measures / Weight	760 x 32 x 16 mm / 540 gr		
500			
Power	5,8W (30 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	444 lm	490 lm	520 lm
Luminaire efficiency	77 lm/W	84 lm/W	90 lm/W
Measures / Weight	510 x 32 x 16 mm / 405 gr		
250			
Power	2,9W (15 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	202 lm	230 lm	250 lm
Luminaire efficiency	70 lm/W	79 lm/W	86 lm/W
Measures / Weight	260 x 32 x 16 mm / 280 gr		

LedFloodStrip® I/II LP 60			
1000			
Power	5,8W (60 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	490 lm	512 lm	535 lm
Luminaire efficiency	84 lm/W	88 lm/W	92 lm/W
Measures / Weight	1010 x 32 x 16 mm / 660 gr		
750			
Power	4,35W (45 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	365 lm	384 lm	401 lm
Luminaire efficiency	84 lm/W	88 lm/W	92 lm/W
Measures / Weight	760 x 32 x 16 mm / 540 gr		
500			
Power	2,9W (30 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	222 lm	245 lm	260 lm
Luminaire efficiency	77 lm/W	84 lm/W	90 lm/W
Measures / Weight	510 x 32 x 16 mm / 405 gr		
250			
Power	1,45W (15 LEDs)		
Color temperature	2700K	4000K	6000K
Lumens output	101 lm	115 lm	125 lm
Luminaire efficiency	70 lm/W	79 lm/W	86 lm/W
Measures / Weight	260 x 32 x 16 mm / 280 gr		

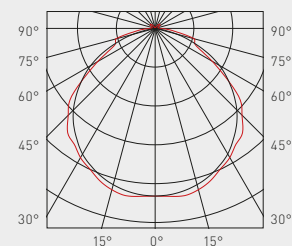
LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

LedFloodStrip® I/II RGB

1 m 110°

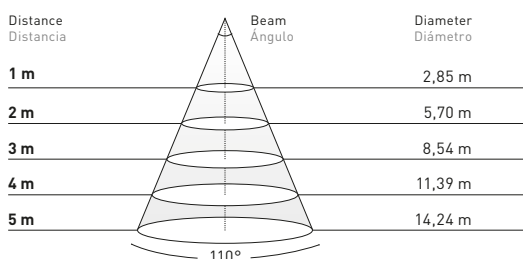


RGB	
1 m	38 lux
2 m	9 lux
3 m	4 lux
4 m	2 lux
5 m	2 lux

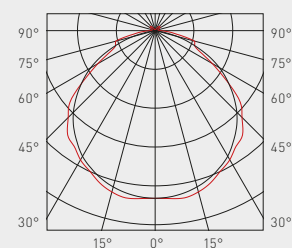


LedFloodStrip® I/II HP 80

1 m 110°

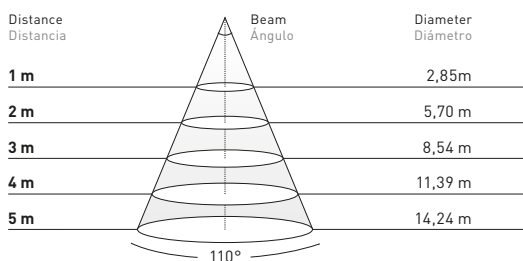


2700K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
153 lux	160 lux	165 lux
38 lux	40 lux	41 lux
17 lux	18 lux	18 lux
10 lux	10 lux	10 lux
6 lux	6 lux	7 lux

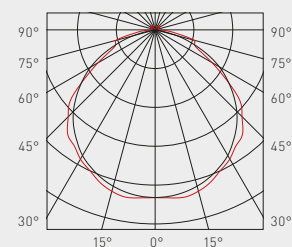


LedFloodStrip® I/II HP 60

1 m 110°

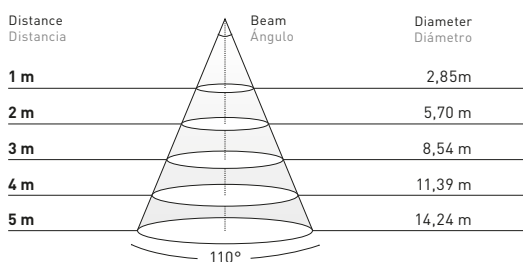


2700K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
115 lux	120 lux	124 lux
29 lux	30 lux	31 lux
13 lux	13 lux	14 lux
7 lux	7 lux	8 lux
5 lux	5 lux	5 lux

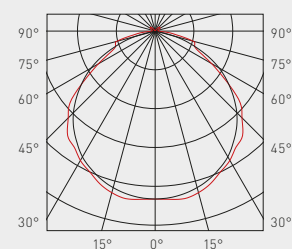


LedFloodStrip® I/II LP 60

1 m 110°



2700K	4000K	6000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
41 lux	43 lux	45 lux
10 lux	11 lux	11 lux
5 lux	5 lux	5 lux
3 lux	3 lux	3 lux
2 lux	2 lux	2 lux

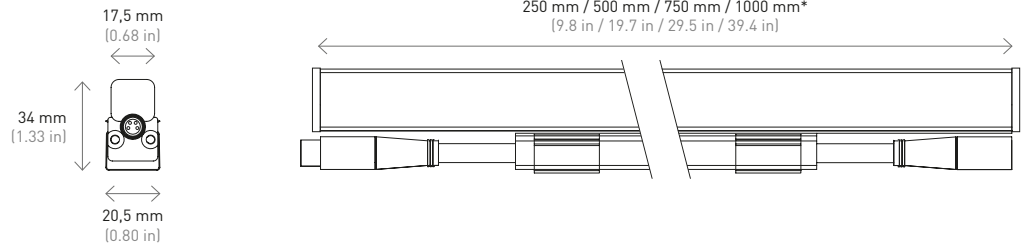


Data calculated with **LedFloodStrip® I/II (1000 mm - clear diffuser)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at **www.mclight.com**.
Due to continuous improvements and innovations, specifications may change without notice.

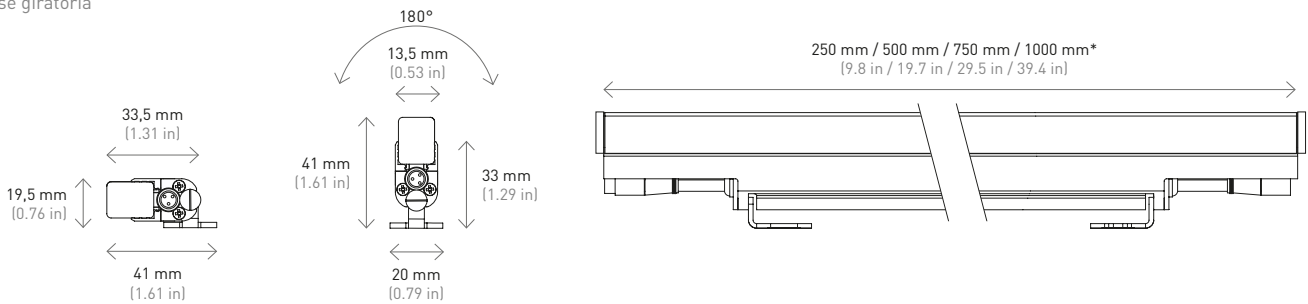
Datos calculados con **LedFloodStrip® I/II (1000 mm - difusor transparente)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en **www.mclight.com**.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

MEASURES MEDIDAS

LedFloodStrip® I (Not adjustable)
with clip
con clip



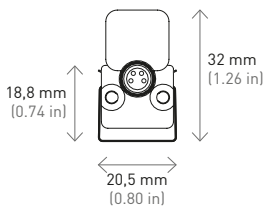
LedFloodStrip® II (Adjustable)
with swivel base
con base giratoria



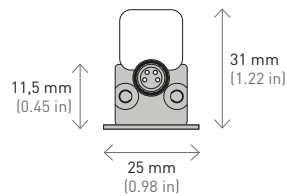
*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

BRACKETS SOPORTES

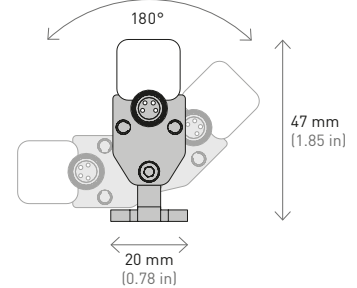
LedFloodStrip® I
clip
clip



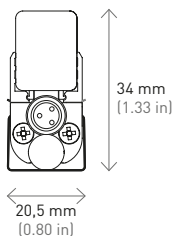
LedFloodStrip® I
non adjustable base
base fija



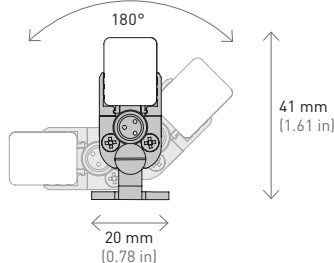
LedFloodStrip® I
swivel base
base giratoria



LedFloodStrip® II
clip
clip



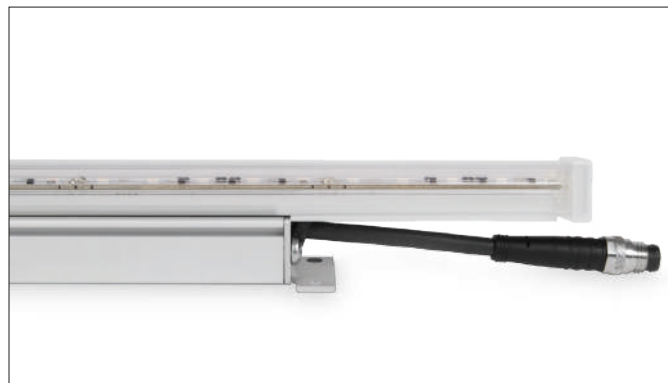
LedFloodStrip® II
swivel base
base giratoria



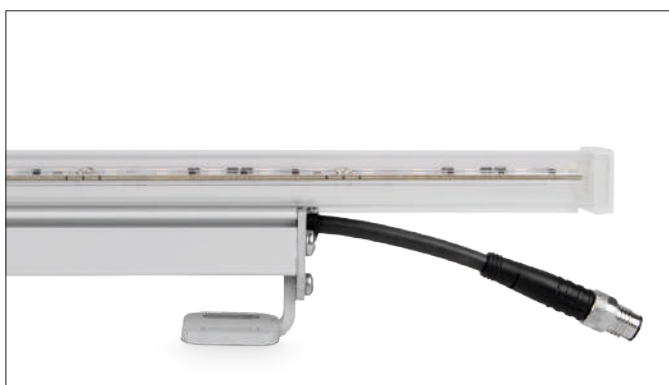
DETAILED
DETALLES



LedFloodStrip® I with not adjustable inox clip.
LedFloodStrip® I con clip acero inoxidable fijo.



LedFloodStrip® I with not adjustable base.
LedFloodStrip® I con base fija.



LedFloodStrip® I with swivel base.
LedFloodStrip® I con base giratoria.



LedFloodStrip® II with swivel base.
LedFloodStrip® II con base giratoria.



LedFloodStrip® I with swivel base.
LedFloodStrip® I con base giratoria.

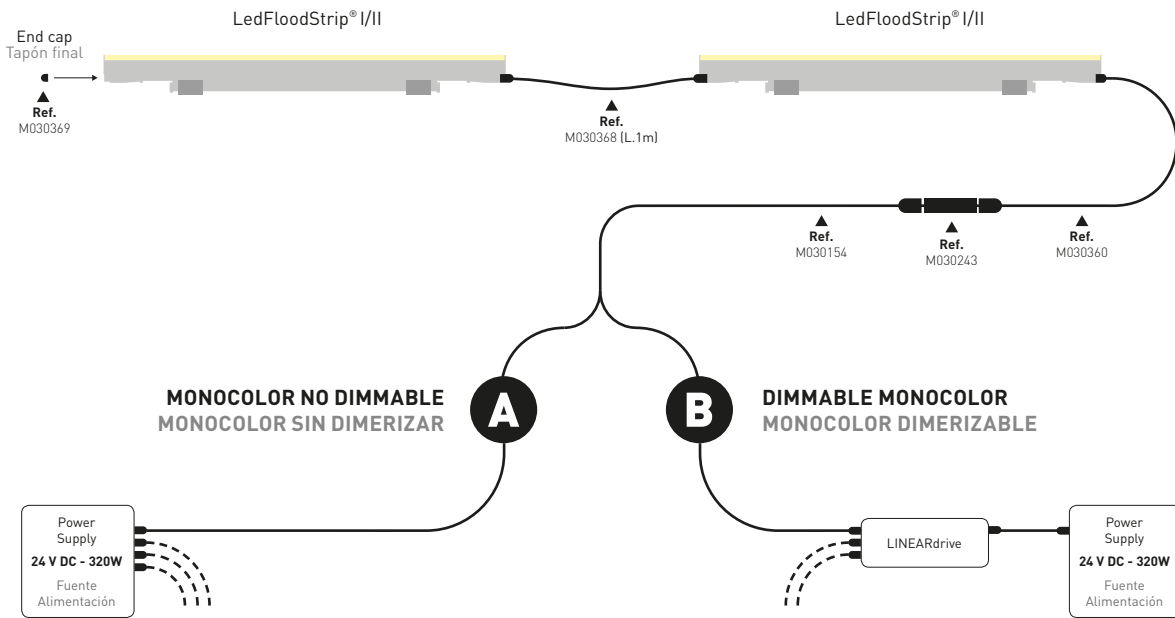


The cap seal ensures a protection class IP66.
Sellado de la tapa que garantiza un grado de protección IP66.



Easy connection.
Conexión fácil.

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

Below you see the maximum LedFloodStrip® 1000 mm which can be connected in chain and maximum chains' number connected to the PSU 24 V DC - 320W. Maximum 5 m from the power supply to the first LedFloodStrip® 1000 mm.

Ver tabla adjunta para número máximo de LedFloodStrip® 1000 mm conectados en cadena y máximo de cadenas conectadas a fuente de alimentación de 24 V DC - 320W. Máximo 5 m. desde la fuente de alimentación al primer LedFloodStrip® 1000 mm.

B

DIMMABLE with LINEARdrive 720 DIMERIZABLE con LINEARdrive 720

Below you see the maximum LedFloodStrip® 1000 mm which can be connected in chain and maximum chains' number connected to the LINEARdrive 720 (PSU 24 V DC - 320W). Maximum 5 m from the power supply to the first LedFloodStrip® 1000 mm.

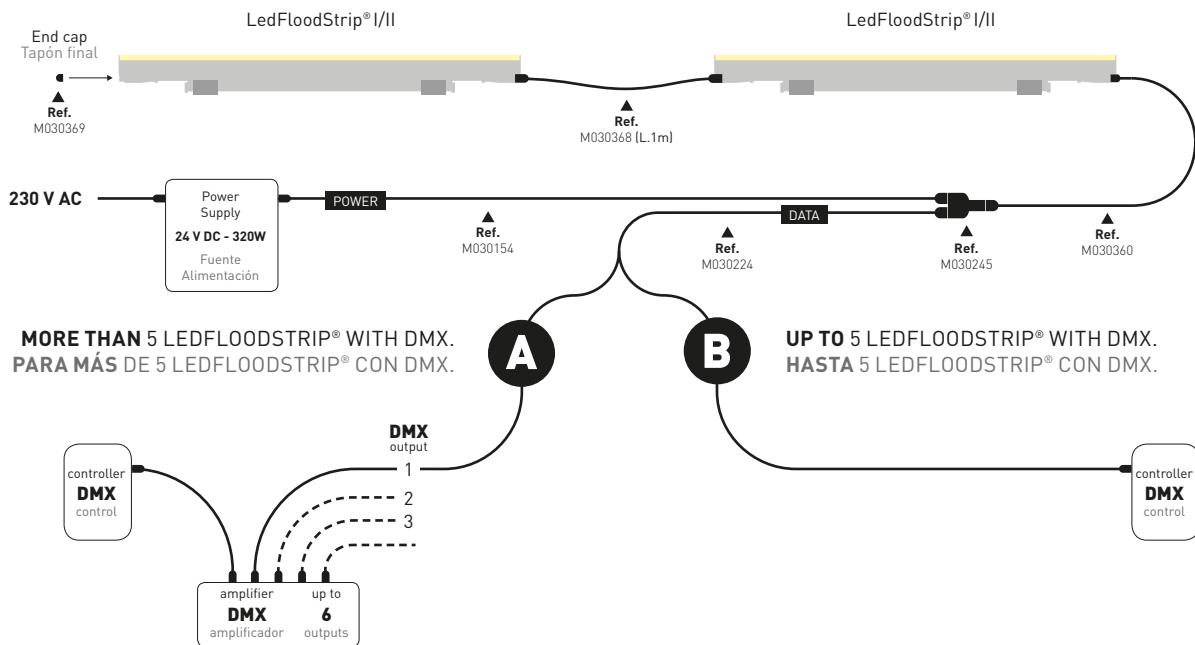
Ver tabla adjunta para número máximo de LedFloodStrip® 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación al primer LedFloodStrip® 1000 mm.

LED FLOOD STRIP® 1000 mm CONNECTION TABLE. TABLA DE CONEXIONES DE LED FLOOD STRIP® 1000 mm.

	HP 80	HP 60	MP 60	LP 60
Power	23,2 W	17,6 W	11,6 W	5,8 W
Luminaires per chain*	4	5	8	10
Max. chain quantity	3	3	3	5

* Values calculated without considering voltage drop. Datos calculados sin caída de tensión.

RGB CONNECTIONS
CONEXIONES RGB



MORE THAN 5 LEDFLOODSTRIP® WITH DMX.
PARA MÁS DE 5 LEDFLOODSTRIP® CON DMX.

UP TO 5 LEDFLOODSTRIP® WITH DMX.
HASTA 5 LEDFLOODSTRIP® CON DMX.

A

MORE THAN 5 LEDFLOODSTRIP® 1000 mm RGB WITH DMX 512-A.
PARA MÁS DE 5 LEDFLOODSTRIP® 1000 mm RGB CON DMX 512-A.

Maximum 5 LedFloodStrip® 1000 mm per DMX output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last LedFloodStrip® 1000 mm.

Máximo 5 LedFloodStrip® 1000 mm por salida DMX.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último LedFloodStrip® 1000 mm.

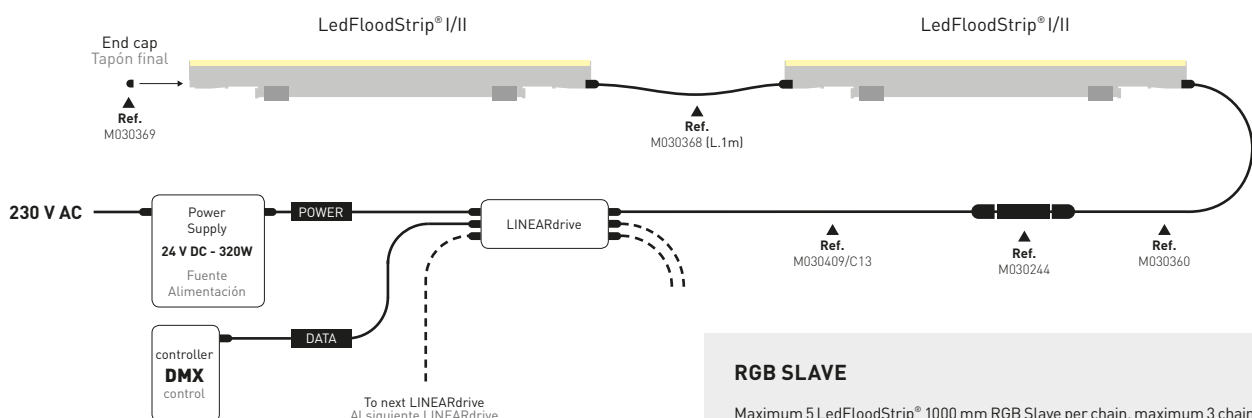
B

UP TO 5 LEDFLOODSTRIP® 1000 mm WITH DMX 512-A.
HASTA 5 LEDFLOODSTRIP® 1000 mm CON DMX 512-A.

Maximum 5 LedFloodStrip® 1000 mm per DMX controller with PSU 24 V DC 320W.
Maximum 100 m from controller to last LedFloodStrip® 1000 mm.

Máximo 5 LedFloodStrip® 1000 mm por controlador DMX con fuente de alimentación de 24 V DC - 320W.
Máximo 100 m del controlador al último LedFloodStrip® 1000 mm.

RGB SLAVE CONNECTIONS
CONEXIONES RGB SLAVE



RGB SLAVE

Maximum 5 LedFloodStrip® 1000 mm RGB Slave per chain, maximum 3 chains (max. 15 u) to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first LedFloodStrip® 1000 mm.

Máximo 5 LedFloodStrip® 1000 mm RGB Slave por cadena, máximo 3 cadenas (máx. 15 u) conectadas al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W).
Máximo 5 m. desde la fuente de alimentación al primer LedFloodStrip® 1000 mm.

REFERENCES REFERENCIAS

LedFloodStrip® I HP 80	250	7100321/...
	500	7100322/...
	750	7100323/...
	1000	7100324/...
LedFloodStrip® II HP 80	250	7100331/...
	500	7100332/...
	750	7100333/...
	1000	7100334/...

LedFloodStrip® I HP 60	250	7100421/...
	500	7100422/...
	750	7100423/...
	1000	7100424/...
LedFloodStrip® II HP 60	250	7100431/...
	500	7100432/...
	750	7100433/...
	1000	7100434/...

LedFloodStrip® I MP 60	250	7100621/...
	500	7100622/...
	750	7100623/...
	1000	7100624/...
LedFloodStrip® II MP 60	250	7100631/...
	500	7100632/...
	750	7100633/...
	1000	7100634/...

LedFloodStrip® I LP 60	250	7101621/...
	500	7101622/...
	750	7101623/...
	1000	7101624/...
LedFloodStrip® II LP 60	250	7101631/...
	500	7101632/...
	750	7101633/...
	1000	7101634/...

LedFloodStrip® I RGB	250	7101421/11
	500	7101422/11
	750	7101423/11
	1000	7101424/11
LedFloodStrip® II RGB	250	7101431/11
	500	7101432/11
	750	7101433/11
	1000	7101434/11

LedFloodStrip® I RGB Slave	250	7101426/11
	500	7101427/11
	750	7101428/11
	1000	7101429/11
LedFloodStrip® II RGB Slave	250	7101436/11
	500	7101437/11
	750	7101438/11
	1000	7101439/11

Complete reference with color number for LedFloodStrip® I/II

Complete la referencia con el número del color para LedFloodStrip® I/II

...80/6K	Cool white	Blanco frío
...80/4K	Neutral white	Blanco neutro
...80/2K7	Warm white	Blanco cálido
...03	Red	Rojo
...04	Amber	Ambar
...08	Green	Verde
...09	Blue	Azul



OPTIONS LED FLOOD STRIP® I OPCIONES LED FLOOD STRIP® I

The LedFloodStrip® I standard version is delivered with clips & clear diffuser.
La versión estándar LedFloodStrip® I se suministra con clips y difusor transparente.

DIFFUSER DIFUSOR

Clear Transparente (Standard)
Milky Opal

BRACKETS SOPORTES

Clip (Standard)
Non adjustable base Base fija
Swivel base Base giratoria

OPTIONS LED FLOOD STRIP® II OPCIONES LED FLOOD STRIP® II

The LedFloodStrip® II standard version is delivered with clear diffuser.
La versión estándar LedFloodStrip® II se suministra con difusor transparente.

DIFFUSER DIFUSOR

Clear Transparente (Standard)
Milky Opal

BRACKETS SOPORTES

Clip (Standard)
Swivel base Base giratoria



To control the luminaires via Bluetooth see page 312
Para controlar las luminarias vía Bluetooth consultar página 312

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS


M030360	Power cable 70 cm	Cable alimentación 70 cm	1
M030368	Extension cable 1 m	Cable extensión 1 m	2
M030369	End cap	Tapón final	
M170023	LedFloodStrip® II clip	Clip LedFloodStrip® II	
M170029	LedFloodStrip® I clip	Clip LedFloodStrip® I	
	For monocolour installation.	Para instalación monocolor.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	3
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
	For RGB installation.	Para instalación RGB.	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)	4
M030409/C13	5 x 0,75 mm ² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm ² (RGB Slave)	
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	5
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	


 King Abdulaziz International Airport,
 Jeddah, Saudi Arabia



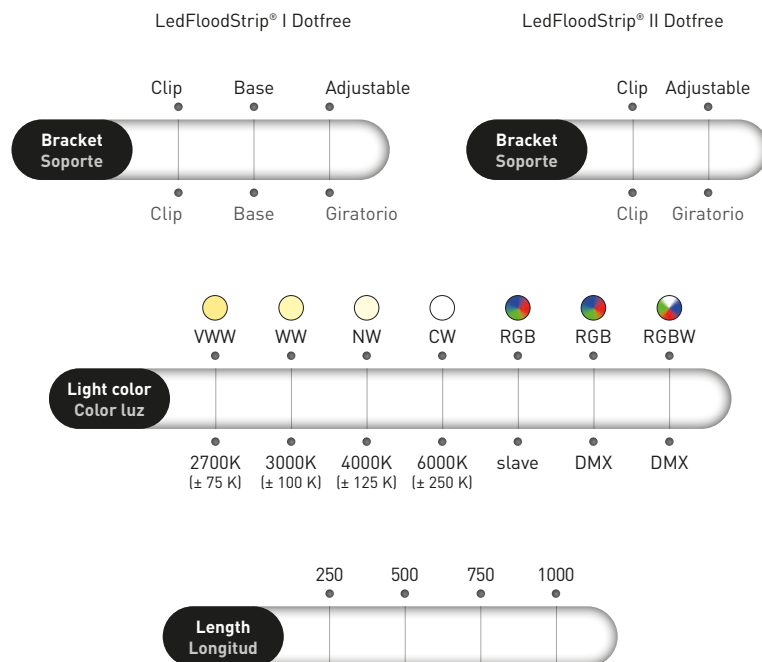


LED FLOODSTRIP DOTFREE®



LED FLOOD STRIP® DOTFREE

- Homogenous light without visible dots
- Adjustable and not adjustable types
- Powers up to 24 W/m
- Small dimensions
- Easy installation and dimmable
- Easy serial connection, up to 10 m
- Luz uniforme sin puntos visibles
- Modelos fijos y orientables
- Potencias hasta 24 W/m
- Reducidas dimensiones
- Fácil instalación y dimerizable
- Fácil conexión en serie, hasta 10 m



The LedFloodStrip® I Dotfree standard version is delivered with clips
La versión estándar LedFloodStrip® I Dotfree se suministra con clips.

SPECIFICATIONS CARACTERÍSTICAS



LedFloodStrip® I & II Dotfree													
1000													
Power	17,6 W (80 LEDs)				19,2 W (80 LEDs)				24 W (80 LEDs)				
Color temperature	2700K	3000K	4000K	6000K	RGB				RGBW				
					R	G	B	R+G+B	R	G	B	4000K	R+G+B+W
Lumens output	891 lm	940 lm	990 lm	1089 lm	120 lm	340 lm	80 lm	540 lm	252 lm	408 lm	60 lm	340 lm	1060 lm
Luminaire efficiency	51 lm/W	53 lm/W	56 lm/W	62 lm/W	28 lm/W				44 lm/W				
Measures / Weight	1010 x 42 x 26 mm / 660 gr												
750													
Power	13,2 W (60 LEDs)				14,4 W (60 LEDs)				18 W (60 LEDs)				
Color temperature	2700K	3000K	4000K	6000K	RGB				RGBW				
					R	G	B	R+G+B	R	G	B	4000K	R+G+B+W
Lumens output	669 lm	706 lm	743 lm	817 lm	90 lm	225 lm	60 lm	405 lm	189 lm	306 lm	45 lm	255 lm	795 lm
Luminaire efficiency	51 lm/W	53 lm/W	56 lm/W	62 lm/W	28 lm/W				44 lm/W				
Measures / Weight	760 x 42 x 26 mm / 540 gr												
500													
Power	8,8 W (40 LEDs)				9,6 W (40 LEDs)				12 W (40 LEDs)				
Color temperature	2700K	3000K	4000K	6000K	RGB				RGBW				
					R	G	B	R+G+B	R	G	B	4000K	R+G+B+W
Lumens output	446 lm	470 lm	495 lm	544 lm	60 lm	170 lm	40 lm	270 lm	126 lm	204 lm	30 lm	170 lm	530 lm
Luminaire efficiency	51 lm/W	53 lm/W	56 lm/W	62 lm/W	28 lm/W				44 lm/W				
Measures / Weight	510 x 42 x 26 mm / 405 gr												
250													
Power	4,4 W (20 LEDs)				4,8 W (20 LEDs)				6 W (20 LEDs)				
Color temperature	2700K	3000K	4000K	6000K	RGB				RGBW				
					R	G	B	R+G+B	R	G	B	4000K	R+G+B+W
Lumens output	223 lm	236 lm	248 lm	273 lm	30 lm	85 lm	20 lm	135 lm	63 lm	102 lm	15 lm	85 lm	265 lm
Luminaire efficiency	51 lm/W	53 lm/W	56 lm/W	62 lm/W	28 lm/W				44 lm/W				
Measures / Weight	260 x 42 x 26 mm / 280 gr												



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

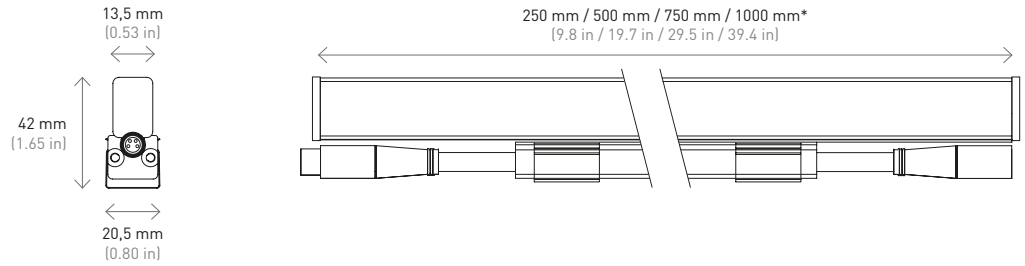
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Kabuxia Restaurant,
San Sebastián, Spain

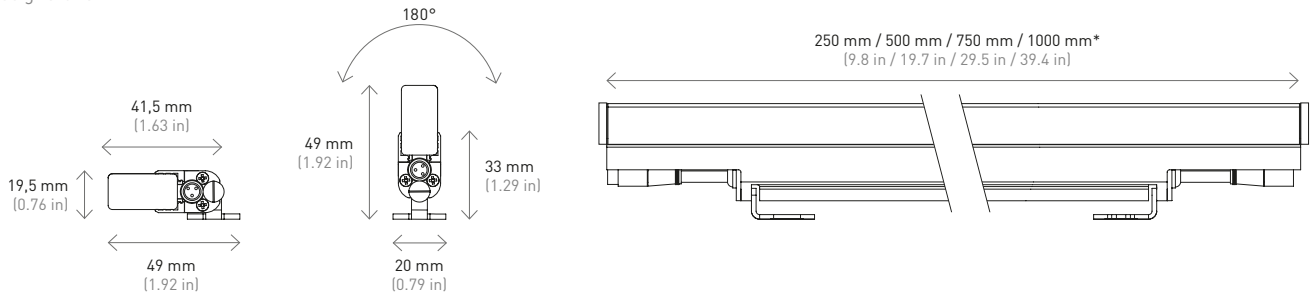
LED FLOOD STRIP® DOTFREE

MEASURES MEDIDAS

LedFloodStrip® I Dotfree (Not adjustable)
with clip
con clip



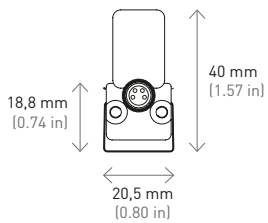
LedFloodStrip® II Dotfree (Adjustable)
with swivel base
con base giratoria



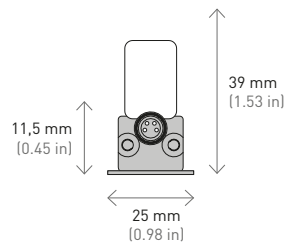
*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

BRACKETS SOPORTES

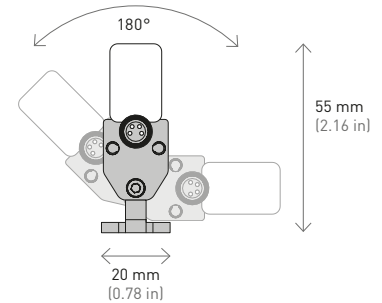
LedFloodStrip® I Dotfree
clip
clip



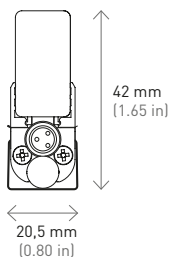
LedFloodStrip® I Dotfree
not adjustable base
base fija



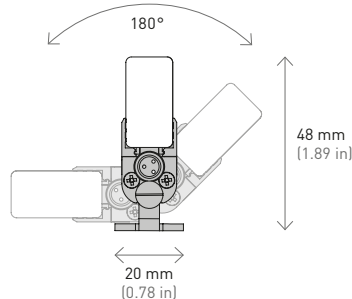
LedFloodStrip® I Dotfree
swivel base
base giratoria



LedFloodStrip® II Dotfree
clip
clip



LedFloodStrip® II Dotfree
swivel base
base giratoria



DETAILS DETALLES



LedFloodStrip® I Dotfree with clip.
LedFloodStrip® I Dotfree con clip.



LedFloodStrip® I Dotfree with not adjustable base.
LedFloodStrip® I Dotfree con base fija.



LedFloodStrip® I Dotfree with swivel base.
LedFloodStrip® I Dotfree con base giratoria.

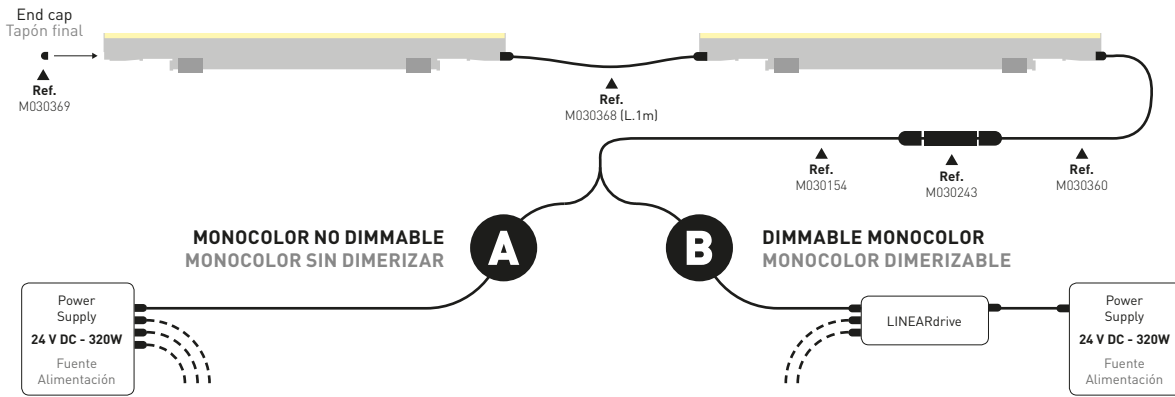


LedFloodStrip® II Dotfree with swivel base.
LedFloodStrip® II Dotfree con base giratoria.



Intersekt Showroom,
New Delhi, India

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

Below you see the maximum LFS® Dotfree 1000 mm which can be connected in chain and maximum chains' number connected to the PSU 24 V DC - 320W. Maximum 5 m from the power supply to the first LFS® Dotfree 1000 mm.

Ver tabla adjunta para número máximo de LFS® Dotfree 1000 mm conectados en cadena y máximo de cadenas conectadas a fuente de alimentación de 24 V DC - 320W. Máximo 5 m. desde la fuente de alimentación al primer LedFloodStrip® Dotfree 1000 mm.

B

DIMMABLE with LINEARdrive 720 DIMERIZABLE con LINEARdrive 720

Below you see the maximum LFS® Dotfree 1000 mm which can be connected in chain and maximum chains' number connected to the LINEARdrive 720 (PSU 24 V DC - 320W). Maximum 5 m from the power supply to the first LFS® Dotfree 1000 mm.

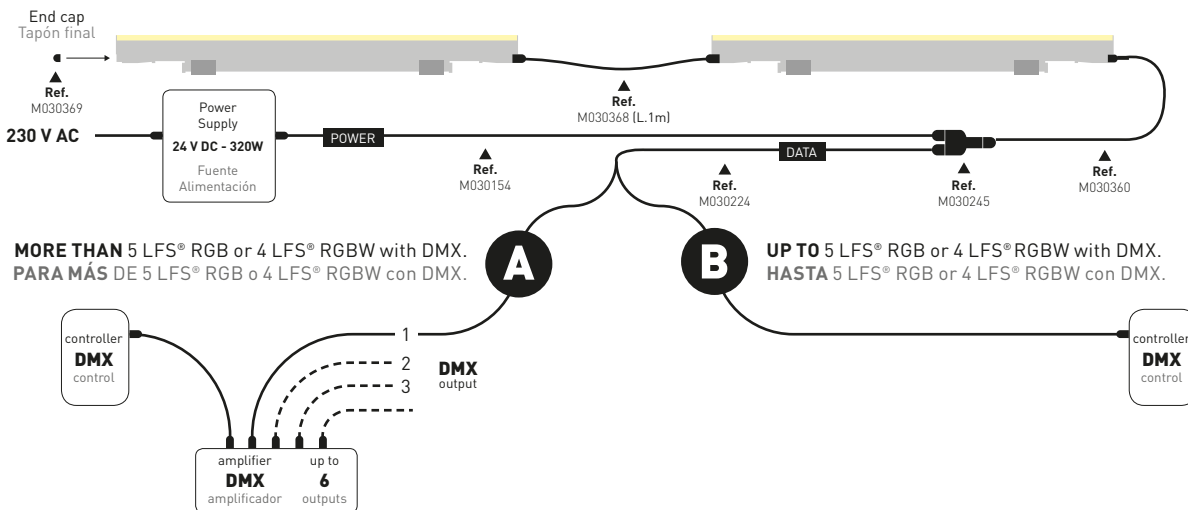
Ver tabla adjunta para número máximo de LFS® Dotfree 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación al primer LFS® Dotfree 1000 mm.

LFS® DOTFREE 1000 mm CONNECTION TABLE. TABLA DE CONEXIONES DE LFS® DOTFREE 1000 mm.

	DOTFREE
Power	17,6 W
Luminaires per chain*	5
Max. chain quantity	3

* Values calculated without considering voltage drop.
Datos calculados sin caída de tensión.

RGB & RGBW FOR DMX CONNECTIONS CONEXIONES DMX PARA RGB Y RGBW



A

MORE THAN 5 LFS® RGB or 4 LFS® RGBW 1000mm with DMX 512-A. PARA MÁS DE 5 LFS® RGB o 4 LFS® RGBW 1000mm con DMX 512-A.

Maximum 5 LFS® RGB or 4 LFS® RGBW 1000mm per DMX output. Maximum 100 m from controller to the amplifier. Maximum 100 m from amplifier to last LFS® Dotfree 1000 mm.

Máximo 5 LFS® RGB o 4 LFS® RGBW por salida DMX. Máximo 100 m del controlador al amplificador. Máximo 100 m del amplificador al último LFS® Dotfree 1000 mm.

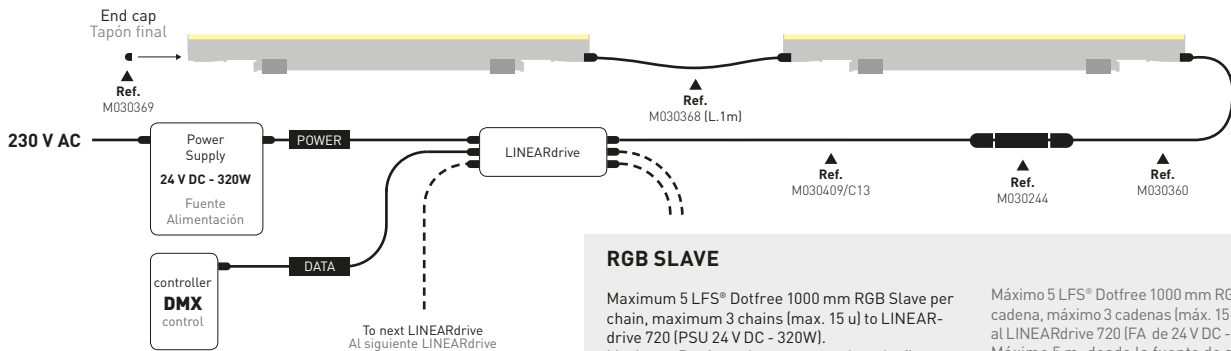
B

UP TO 5 LFS® RGB or 4 LFS® RGBW 1000mm with DMX 512-A. HASTA 5 LFS® RGB o 4 LFS® RGBW 1000mm con DMX 512-A.

Maximum 5 LFS® RGB or 4 LFS® RGB 1000mm per DMX controller with PSU 24 VDC 320W. Maximum 100 m from controller to last LFS® Dotfree 1000 mm.

Máximo 5 LFS® RGB o 4 LFS® RGBW 1000 mm por controlador DMX con fuente de alimentación de 24 VDC - 320W. Máximo 100 m del controlador al último LFS® Dotfree 1000 mm.

RGB SLAVE CONNECTIONS CONEXIONES RGB SLAVE



RGB SLAVE

Maximum 5 LFS® Dotfree 1000 mm RGB Slave per chain, maximum 3 chains (max. 15 u) to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first LFS® Dotfree 1000 mm.

Máximo 5 LFS® Dotfree 1000 mm RGB Slave por cadena, máximo 3 cadenas (máx. 15 u) conectadas al LINEARdrive 720 (FA de 24 V DC - 320W).
Máximo 5 m. desde la fuente de alimentación al primer LFS® Dotfree 1000 mm.

REFERENCES REFERENCIAS

74	X	3	X	X	X	/XX/XXX
COLOR COLOR						
/80/2K7	2700K					
/80/3K	3000K					
/80/4K	4000K					
/80/6K	6000K					
/11	RGB					
/11-4K	RGBW					
LENGTH LONGITUD						
1	250	Monocolor	6	250		
2	500	RGB	7	500	RGB	
3	750	RGBW	8	750	slave	
4	1000		9	1000		
N° LEDs N°LEDs						
1	80 LEDs Monocolor					
0	80 LEDs RGB RGBW					
VERSION VERSIÓN						
0	Monocolor					
2	RGB					
3	RGBW					
TYPE MODELO						
1	LedFloodStrip® I Dotfree					
3	LedFloodStrip® II Dotfree					

OPTIONS LEDFLOODSTRIP® I DOTFREE OPCIONES LEDFLOODSTRIP® I DOTFREE

The LedFloodStrip® I Dotfree standard version is delivered with clips
La versión estándar LedFloodStrip® I Dotfree se suministra con clips.

BRACKETS SOPORTES

Clip (Standard)
Not adjustable base Base fija
Swivel base Base giratoria

OPTIONS LEDFLOODSTRIP® II DOTFREE OPCIONES LEDFLOODSTRIP® II DOTFREE

The LedFloodStrip® II Dotfree standard version is delivered with clips
La versión estándar LedFloodStrip® II Dotfree se suministra con clips.

BRACKETS SOPORTES

Clip (Standard)
Swivel base Base giratoria

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M030360	Power cable 70 cm	Cable alimentación 70 cm	1
M030368	Extension cable 1 m	Cable extensión 1 m	2
M030369	End cap	Tapón final	
	For monocolor installation.	Para instalación monocolor.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	3
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
	For RGB installation.	Para instalación RGB.	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)	4
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	5
M030409/C13	5 x 0,75 mm² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm² (RGB Slave)	

A'Barra restaurant,
Madrid , Spain





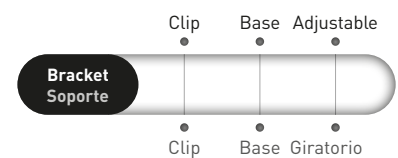
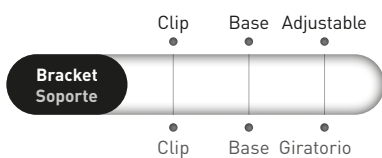
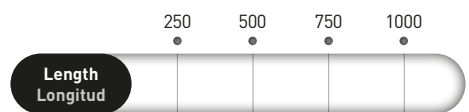
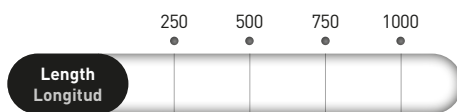
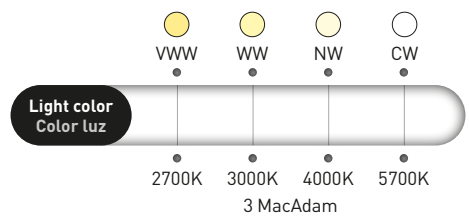
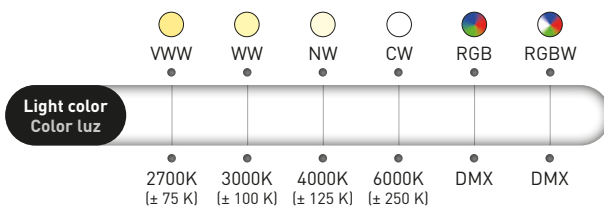
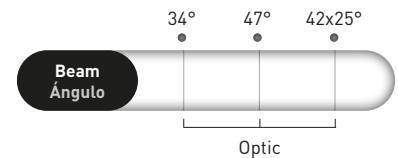
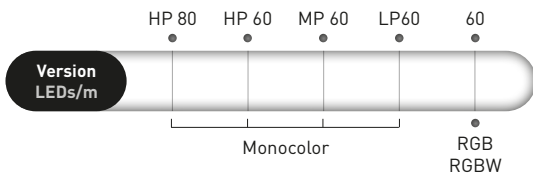
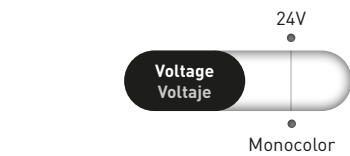
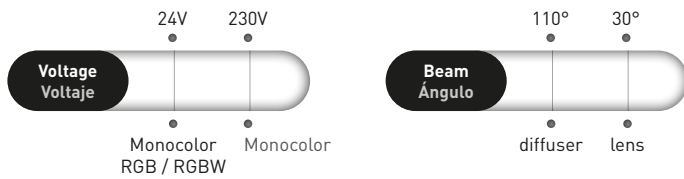
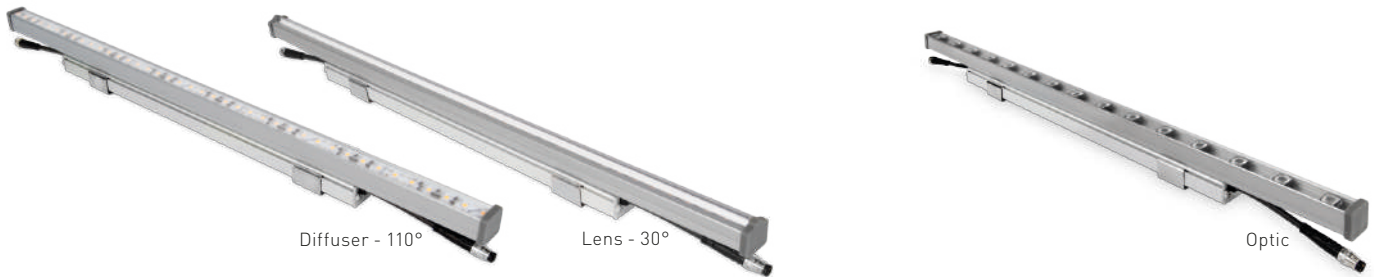
LEDFLOODSTRIP® PLUS



LED FLOOD STRIP® PLUS

230V / 24V

- 24V DC and 230V AC (monocolor 30° & 110°) types
- 5 beam angles: 30°, 34°, 47°, 42x25° and 110°
- 4 Light colors: 2700K, 3000K, 4000K and 6000K
- Monocolor, RGB and RGBW types
- Not adjustable and adjustable versions
- Anodized aluminium body and PMMA diffuser
- Modelos a 24V DC y 230V AC (monocolor 30° y 110°)
- 5 ángulos de apertura: 30°, 34°, 47°, 42x25° y 110°
- 4 temperaturas de color: 2700K, 3000K, 4000K y 6000K
- Modelos monocolor, RGB y RGBW
- Versiones fijas y giratorias
- Cuerpo de Aluminio anodizado y difusor de PMMA



The standard version is delivered with clip.
La versión estándar se suministra con clip.

The standard optic version is delivered with 34° beam angle.
La versión estándar con óptica se suministra con un ángulo de apertura de 34°.

SPECIFICATIONS CARACTERÍSTICAS



LedFloodStrip® PLUS - Monocolor - 30° 24V 230V																
1000																
	HP80				HP60				MP60				LP60			
Power	23,2 W (80 LEDs)				17,6 W (60 LEDs)				11,6 W (60 LEDs)				5,8 W (60 LEDs)			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	1040 lm	1060 lm	1081 lm	1124 lm	782 lm	797 lm	813 lm	845 lm	560 lm	571 lm	582 lm	605 lm	280 lm	285 lm	291 lm	302 lm
Luminaire efficiency	45 lm/W	46 lm/W	47 lm/W	48 lm/W	44 lm/W	45 lm/W	46 lm/W	48 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W
Measures / Weight	1010 x 35 x 19 mm / 660 gr															
750																
	HP80				HP60				MP60				LP60			
Power	17,4 W (60 LEDs)				13,2 W (45 LEDs)				8,7 W (45 LEDs)				4,35 W (45 LEDs)			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	780 lm	795 lm	811 lm	843 lm	586 lm	598 lm	610 lm	634 lm	420 lm	428 lm	436 lm	454 lm	210 lm	214 lm	218 lm	227 lm
Luminaire efficiency	45 lm/W	46 lm/W	47 lm/W	48 lm/W	44 lm/W	45 lm/W	46 lm/W	48 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W
Measures / Weight	760 x 35 x 19 mm / 540 gr															
500																
	HP80				HP60				MP60				LP60			
Power	11,6 W (40 LEDs)				8,8 W (30 LEDs)				5,8 W (30 LEDs)				2,9 W (30 LEDs)			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	520 lm	530 lm	541 lm	562 lm	391 lm	398 lm	406 lm	422 lm	280 lm	285 lm	291 lm	302 lm	140 lm	143 lm	145 lm	151 lm
Luminaire efficiency	45 lm/W	46 lm/W	47 lm/W	48 lm/W	44 lm/W	45 lm/W	46 lm/W	48 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W
Measures / Weight	510 x 35 x 19 mm / 405 gr															
250																
	HP80				HP60				MP60				LP60			
Power	5,8 W (20 LEDs)				4,4 W (15 LEDs)				2,9 W (15 LEDs)				1,45 W (15 LEDs)			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	260 lm	265 lm	270 lm	281 lm	195 lm	199 lm	203 lm	211 lm	140 lm	143 lm	145 lm	151 lm	70 lm	71 lm	73 lm	76 lm
Luminaire efficiency	45 lm/W	46 lm/W	47 lm/W	48 lm/W	44 lm/W	45 lm/W	46 lm/W	48 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W	48 lm/W	49 lm/W	50 lm/W	52 lm/W
Measures / Weight	260 x 35 x 19 mm / 280 gr															

LedFloodStrip® PLUS - RGB & RGBW - 30° - 24V								
	1000		750		500		250	
Power	17,3 W (60 LEDs)	22 W (60 LEDs)	13 W (45 LEDs)	16,5 W (45 LEDs)	8,7 W (30 LEDs)	11 W (30 LEDs)	4,8 W (15 LEDs)	5,5 W (15 LEDs)
Color temperature	RGB	RGBW	RGB	RGBW	RGB	RGBW	RGB	RGBW
Lumens output	295 lm	580 lm	222 lm	435 lm	148 lm	290 lm	74 lm	145 lm
Luminaire efficiency	17 lm/W	25 lm/W	17 lm/W	29 lm/W	17 lm/W	29 lm/W	17 lm/W	29 lm/W
Measures / Weight	1010 x 35 x 19 mm / 660 gr		760 x 35 x 19 mm / 540 gr		510 x 35 x 19 mm / 405 gr		260 x 35 x 19 mm / 280 gr	

LedFloodStrip® PLUS - RGB & RGBW - 110° - 24V								
	1000		750		500		250	
Power	17,3 W (60 LEDs)	22 W (60 LEDs)	13 W (45 LEDs)	16,5 W (45 LEDs)	8,7 W (30 LEDs)	11 W (30 LEDs)	4,8 W (15 LEDs)	5,5 W (15 LEDs)
Color temperature	RGB	RGBW	RGB	RGBW	RGB	RGBW	RGB	RGBW
Lumens output	448 lm	884 lm	336 lm	663 lm	220 lm	442 lm	112 lm	221 lm
Luminaire efficiency	26 lm/W	38 lm/W	26 lm/W	44 lm/W	25 lm/W	44 lm/W	25 lm/W	44 lm/W
Measures / Weight	1010 x 35 x 19 mm / 660 gr		760 x 35 x 19 mm / 540 gr		510 x 35 x 19 mm / 405 gr		260 x 35 x 19 mm / 280 gr	

Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

LED FLOOD STRIP® PLUS

SPECIFICATIONS CARACTERÍSTICAS

IP66	230V AC		24V DC		CRI 80		Anodized AL Housing	PMMA Clear	Ta -20°C min -4°F Ta +50°C max +122°F	CE
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LedFloodStrip® PLUS - Optic - 24V

	1000				750				500				250			
Power	14 W [28 LEDs]				10,5 W [21 LEDs]				7 W [14 LEDs]				3,5 W [7 LEDs]			
Color temperature	2700K	3000K	4000K	5700K	2700K	3000K	4000K	5700K	2700K	3000K	4000K	5700K	2700K	3000K	4000K	5700K
Lumens output 34°	894 lm	907 lm	921 lm	939 lm	671 lm	681 lm	691 lm	704 lm	447 lm	454 lm	460 lm	469 lm	224 lm	227 lm	230 lm	235 lm
Lumens output 47°	925 lm	939 lm	953 lm	972 lm	694 lm	704 lm	715 lm	729 lm	463 lm	470 lm	477 lm	486 lm	231 lm	235 lm	238 lm	243 lm
Lumens output 42x25°	792 lm	804 lm	816 lm	832 lm	594 lm	603 lm	612 lm	624 lm	396 lm	402 lm	408 lm	416 lm	198 lm	201 lm	204 lm	208 lm
Luminaire efficiency	57 lm/W	57 lm/W	58 lm/W	59 lm/W	57 lm/W	57 lm/W	58 lm/W	59 lm/W	57 lm/W	57 lm/W	58 lm/W	59 lm/W	57 lm/W	57 lm/W	58 lm/W	59 lm/W
Measures / Weight	1010 x 35 x 19 mm / 660 gr				760 x 35 x 19 mm / 540 gr				510 x 35 x 19 mm / 405 gr				260 x 35 x 19 mm / 280 gr			

LedFloodStrip® PLUS - Monocolor - 110° | 24V | 230V

1000																
	HP80				HP60				MP60				LP60			
Power	23,2 W [80 LEDs]				17,6 W [60 LEDs]				11,6 W [60 LEDs]				5,8 W [60 LEDs]			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	1820 lm	1835 lm	1890 lm	1950 lm	1369 lm	1382 lm	1410 lm	1464 lm	980 lm	995 lm	1.024 lm	1.070 lm	490 lm	497 lm	512 lm	535 lm
Luminaire efficiency	78 lm/W	79 lm/W	81 lm/W	84 lm/W	78 lm/W	79 lm/W	80 lm/W	83 lm/W	84 lm/W	86 lm/W	88 lm/W	92 lm/W	84 lm/W	86 lm/W	88 lm/W	92 lm/W
Measures / Weight	1010 x 35 x 19 mm / 660 gr															
750																
	HP80				HP60				MP60				LP60			
Power	17,4 W [60 LEDs]				13,2 W [45 LEDs]				8,7 W [45 LEDs]				4,35 W [45 LEDs]			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	1369 lm	1382 lm	1410 lm	1464 lm	1020 lm	1037 lm	1058 lm	1095 lm	730 lm	752 lm	768 lm	802 lm	365 lm	376 lm	384 lm	401 lm
Luminaire efficiency	78 lm/W	79 lm/W	81 lm/W	84 lm/W	77 lm/W	79 lm/W	80 lm/W	83 lm/W	84 lm/W	86 lm/W	88 lm/W	92 lm/W	84 lm/W	86 lm/W	88 lm/W	92 lm/W
Measures / Weight	760 x 35 x 19 mm / 540 gr															
500																
	HP80				HP60				MP60				LP60			
Power	11,6 W [40 LEDs]				8,8 W [30 LEDs]				5,8 W [30 LEDs]				2,9 W [30 LEDs]			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	905 lm	922 lm	940 lm	976 lm	673 lm	681 lm	695 lm	729 lm	444 lm	475 lm	490 lm	520 lm	222 lm	232 lm	245 lm	260 lm
Luminaire efficiency	78 lm/W	79 lm/W	81 lm/W	84 lm/W	76 lm/W	79 lm/W	79 lm/W	83 lm/W	77 lm/W	80 lm/W	84 lm/W	90 lm/W	77 lm/W	80 lm/W	84 lm/W	90 lm/W
Measures / Weight	510 x 35 x 19 mm / 405 gr															
250																
	HP80				HP60				MP60				LP60			
Power	5,8 W [20 LEDs]				4,4 W [15 LEDs]				2,9 W [15 LEDs]				1,45 W [15 LEDs]			
Color temperature	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K	2700K	3000K	4000K	6000K
Lumens output	448 lm	460 lm	470 lm	485 lm	305 lm	321 lm	332 lm	350 lm	202 lm	218 lm	230 lm	250 lm	101 lm	110 lm	115 lm	125 lm
Luminaire efficiency	78 lm/W	79 lm/W	81 lm/W	84 lm/W	69 lm/W	72 lm/W	75 lm/W	80 lm/W	70 lm/W	75 lm/W	79 lm/W	86 lm/W	70 lm/W	76 lm/W	79 lm/W	86 lm/W
Measures / Weight	260 x 35 x 19 mm / 280 gr															

Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

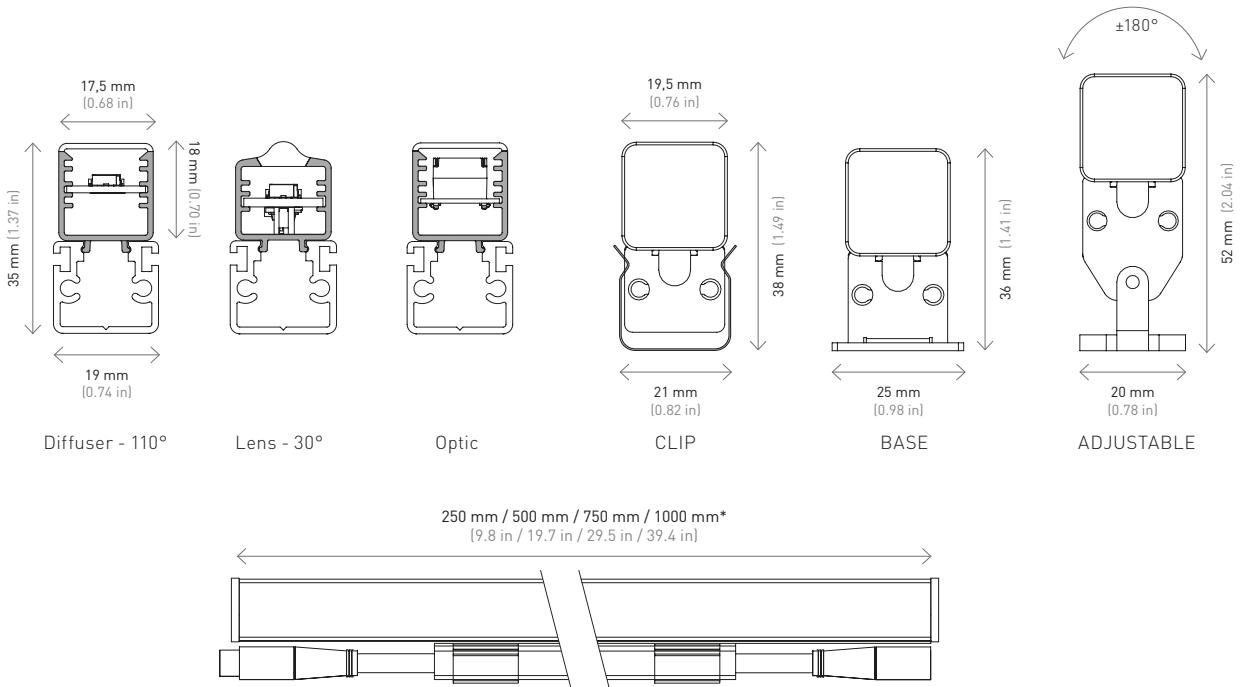
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.



Internal Gate ISF,
Doha, Qatar

LED FLOOD STRIP® PLUS

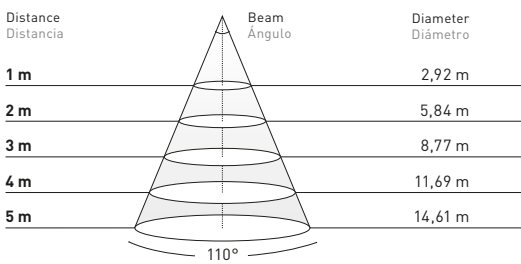
MEASURES MEDIDAS



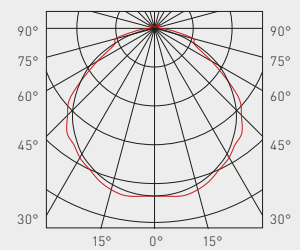
*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

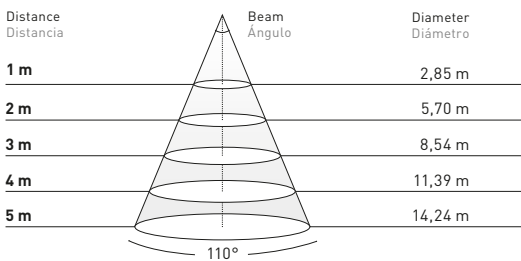
LedFloodStrip® Plus RGB 1 m 110°



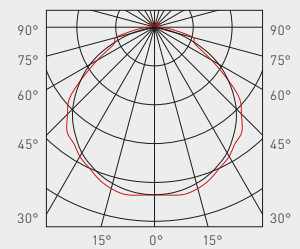
RGB	
1 m	38 lux
2 m	9 lux
3 m	4 lux
4 m	2 lux
5 m	2 lux



LedFloodStrip® Plus HP 80 1 m 110°



2700K	3000K	4000K	6000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO	COOL WHITE BLANCO FRÍO
153 lux	156 lux	160 lux	165 lux
38 lux	39 lux	40 lux	41 lux
17 lux	17 lux	18 lux	19 lux
10 lux	10 lux	10 lux	10 lux
6 lux	6 lux	6 lux	7 lux



Data calculated with LedFloodStrip® Plus (1000 mm - diffuser 110°).
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con LedFloodStrip® Plus (1000 mm - difusor 110°).
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

DETAILS DETALLES



Diffuser 110°. Difusor 110°.



Lens 30°. Lente 30°.



Optic. Óptica.



Clip. Clip.



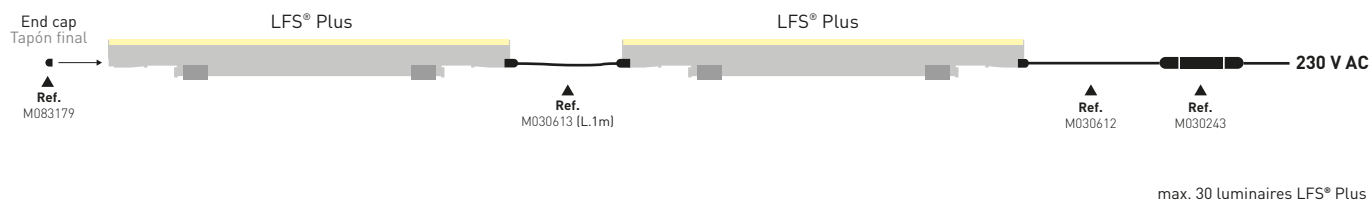
Not adjustable base. Base no ajustable.



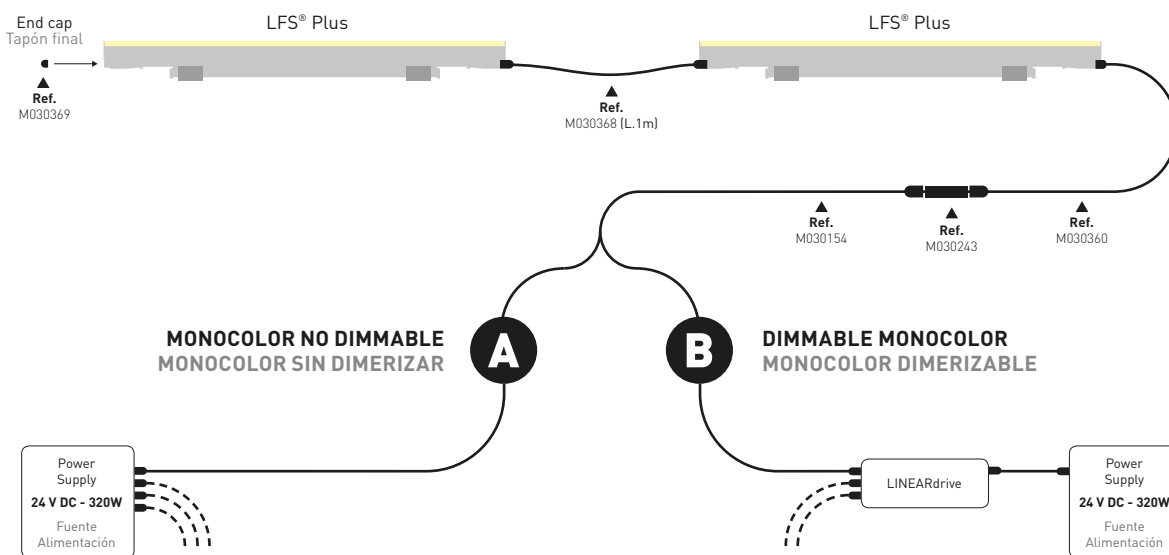
Swivel base. Base giratoria.

LED FLOOD STRIP® PLUS

230V ON-OFF MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR ON-OFF 230V



24V MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR 24V



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

Below you see the maximum LFS® Plus 1000 mm which can be connected in chain and maximum chains' number connected to the PSU 24 V DC - 320W. Maximum 5 m from the power supply to the first LFS® Plus 1000 mm.

Ver tabla adjunta para número máximo de LFS® Plus 1000 mm conectados en cadena y máximo de cadenas conectadas a fuente de alimentación de 24 V DC - 320W. Máximo 5 m. desde la fuente de alimentación al primer LFS® Plus 1000 mm.

B

DIMMABLE with LINEARdrive 720 DIMERIZABLE con LINEARdrive 720

Below you see the maximum LFS® Plus 1000 mm which can be connected in chain and maximum chains' number connected to the LINEARdrive 720 (PSU 24 V DC - 320W). Maximum 5 m from the power supply to the first LFS® Plus 1000 mm.

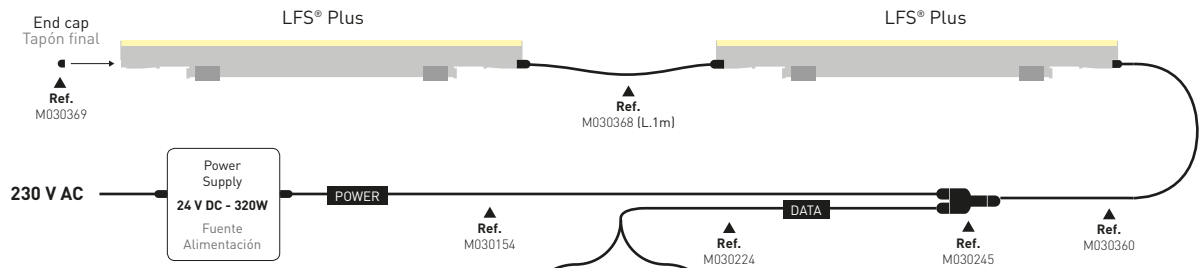
Ver tabla adjunta para número máximo de LFS® Plus 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación al primer LFS® Plus 1000 mm.

LED FLOOD STRIP® PLUS 1000 mm CONNECTION TABLE. TABLA DE CONEXIONES DE LED FLOOD STRIP® PLUS 1000 mm.

	HP 80	HP 60	MP 60	LP 60
Power	23,2 W	17,6 W	11,6 W	5,8 W
Luminaires per chain*	4	5	8	10
Max. chain quantity	3	3	3	5

* Values calculated without considering voltage drop. Datos calculados sin caída de tensión.

RGB & RGBW FOR DMX CONNECTIONS CONEXIONES DMX PARA RGB Y RGBW



MORE THAN 5 LFS® PLUS RGB or 4 LFS® PLUS RGBW with DMX.
PARA MÁS DE 5 LFS® PLUS RGB o 4 LFS® PLUS RGBW con DMX.

A

UP TO 5 LFS® PLUS RGB or 4 LFS® PLUS RGBW with DMX.
HASTA 5 LFS® PLUS RGB or 4 LFS® PLUS RGBW con DMX.

B



A

MORE THAN 5 LFS® PLUS RGB or 4 LFS® PLUS RGBW 1000mm with DMX 512-A.
PARA MÁS DE 5 LFS® PLUS RGB o 4 LFS® PLUS RGBW 1000mm con DMX 512-A.

Maximum 5 LFS® Plus RGB or 4 LFS® Plus RGBW 1000mm per DMX output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last LFS® Plus 1000 mm.

Máximo 5 LFS® Plus RGB o 4 LFS® Plus RGBW por salida DMX.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último LFS® Plus 1000 mm.

B

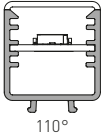
UP TO 5 LFS® PLUS RGB or 4 LFS® PLUS RGBW 1000mm with DMX 512-A.
HASTA 5 LFS® PLUS RGB o 4 LFS® PLUS RGBW 1000mm con DMX 512-A.

Maximum 5 LFS® Plus RGB or 4 LFS® Plus RGB 1000mm per DMX controller with PSU 24 V DC 320W.
Maximum 100 m from controller to last LFS® Plus 1000 mm.

Máximo 5 LFS® Plus RGB o 4 LFS® Plus RGBW 1000 mm por controlador DMX con fuente de alimentación de 24 V DC - 320W.
Máximo 100 m del controlador al último LFS® Plus 1000 mm.

LED FLOOD STRIP® PLUS

REFERENCES REFERENCIAS



LedFloodStrip® Plus 24V
Diffuser 110° | Lens 30°

741 X X X X /XX/XXX

COLOR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /80/6K 6000K
- /11 RGB
- /11-4K RGBW

LENGTH LONGITUD

- 1 250
- 2 500
- 3 750
- 4 1000

VERSION VERSIÓN

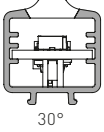
- 0 HP80
 - 3 HP60
 - 4 MP60
 - 5 LP60
 - 3 60 LEDs | RGB/RGBW
- Monocolor

VERSION VERSIÓN

- 0 Monocolor
- 2 RGB
- 3 RGBW

TYPE MODELO

- 1 Diffuser 110° Difusor 110°
- 2 Lens 30° Lente 30°



LedFloodStrip® Plus 230V
Diffuser 110° | Lens 30°

742 X 0 X X /XX/XXX

COLOR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /80/6K 6000K

LENGTH LONGITUD

- 1 250
- 2 500
- 3 750
- 4 1000

VERSION VERSIÓN

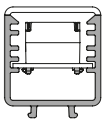
- 0 HP80
 - 3 HP60
 - 4 MP60
 - 5 LP60
- Monocolor

VERSION VERSIÓN

- 0 Monocolor

TYPE MODELO

- 1 Diffuser 110° Difusor 110°
- 2 Lens 30° Lente 30°



LedFloodStrip® Plus 24V
Optic

741 1 1 0 X /XX/XXX

COLOR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /80/5K7 5700K

LENGTH LONGITUD

- 1 250
- 2 500
- 3 750
- 4 1000

VERSION VERSIÓN

- 0 28 LEDs

VERSION VERSIÓN

- 1 Monocolor

TYPE MODELO

- 1 Optic Óptica

OPTIONS (diffuser 110° | lens 30° | optic)

OPCIONES (difusor 110° | lente 30° | óptica)

The standard version is delivered with clip.
La versión estándar se suministra con clip.

OPTIONS (optic)

OPCIONES (óptica)

The standard optic version is delivered with 34° beam angle.
La versión estándar con óptica se suministra con un ángulo de apertura de 34°.

BEAM ÁNGULO

- 34° (Standard)
- 47°
- 42x25°

BRACKETS SOPORTES

- Clip
- Not adjustable base Base fija
- Swivel base Base giratoria

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



	230V monocolor	Monocolor 230V	
M030612	Power cable 2 poles, 2 m	Cable alimentación 2 polos, 2 m	
M030613	Extension cable 2 poles, 1 m	Cable extensión 2 polos, 1 m	
M083179	IP68 end cap 2 poles	Tapón final IP68	
	For monocolor installation 230V	Para instalación monocolor 230V	
M083177	IP68 connector (2 poles-male)	Conector IP68 400V (2 polos-macho)	
M083178	IP68 connector (2 poles-female)	Conector IP68 400V (2 polos-hembra)	
M030422/C13	2x1 cable (m)	Cable 2x1 (m)	
	24V monocolor, RGB & RGBW	Monocolor, RGB y RGBW 24V	
M030360	Power cable 70 cm	Cable alimentación 70 cm	1
M030368	Extension cable 1 m	Cable extensión 1 m	2
M030369	End cap	Tapón final	
	For monocolor installation 24V	Para instalación monocolor 24V	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	3
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
	For RGB & RGBW installation 24V	Para instalación RGB y RGBW 24V	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)	4
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	5
M030409/C13	5 x 0,75 mm ² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm ² (RGB Slave)	

DAMAC Heights,
Dubai, UAE





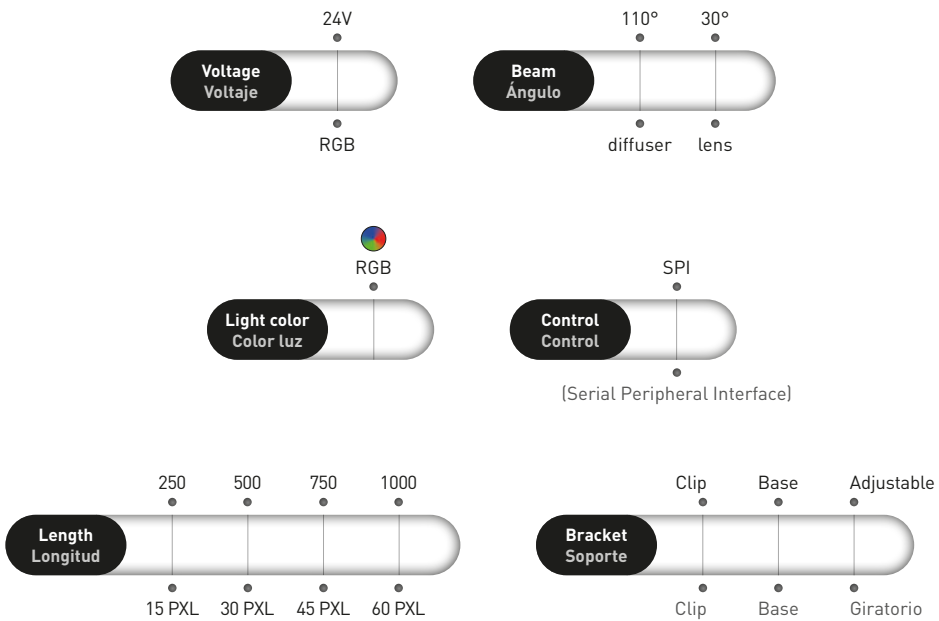
LEDFLOODSTRIP® PLUS PIXEL



LED FLOOD STRIP® PLUS PIXEL

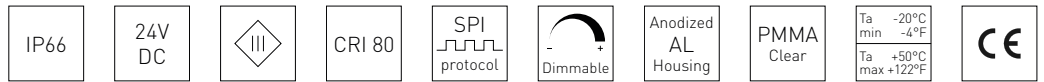
24V RGB

- Lineal fixture controllable pixel by pixel for media applications
- 2 beam angles: 30° and 110°
- Not adjustable and adjustable versions
- Anodized aluminium body and PMMA diffuser
- Luminaria lineal controlable pixel a pixel para aplicaciones interactivas
- 2 ángulos de apertura: 30° y 110°
- Versiones fijas y giratorias
- Cuerpo de Aluminio anodizado y difusor de PMMA



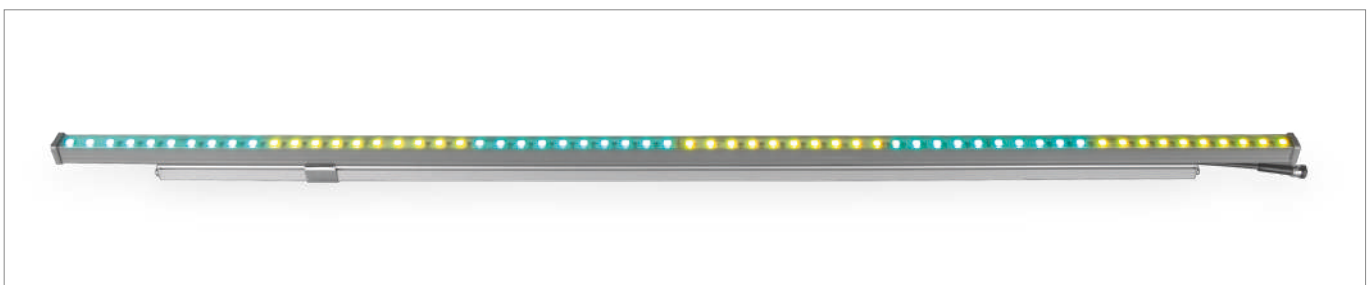
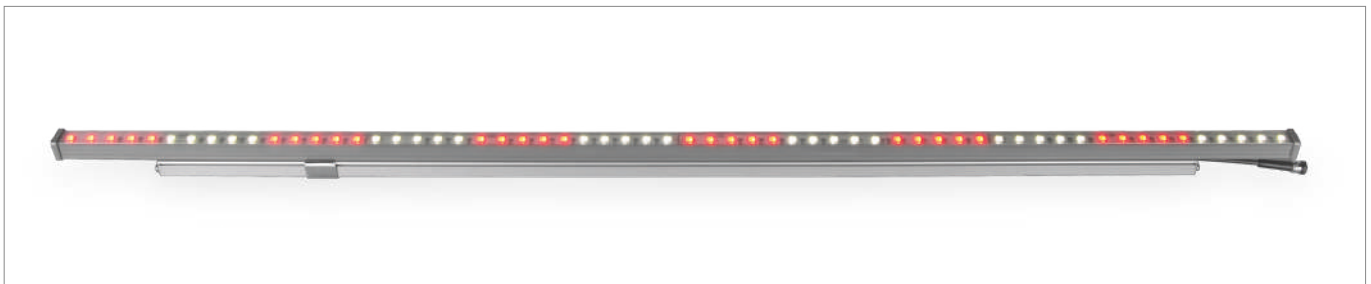
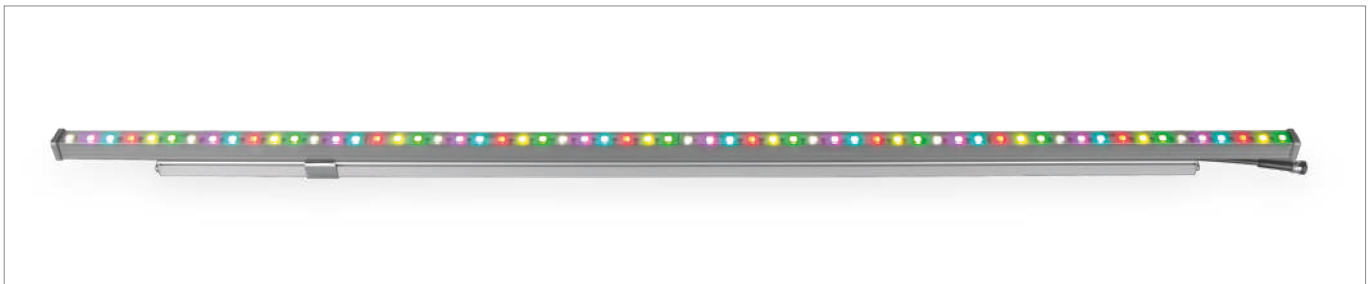
The standard version is delivered with clip.
La versión estándar se suministra con clip.

SPECIFICATIONS CARACTERÍSTICAS



LedFloodStrip® PIXEL - RGB - 30° - 24V																
	1000				750				500				250			
Power	15,3 W (60 PXL)				11,5 W (45 PXL)				7,6 W (30 PXL)				3,8 W (15 PXL)			
Color temperature	R	G	B	R+G+B	R	G	B	R+G+B	R	G	B	R+G+B	R	G	B	R+G+B
Lumens output	68 lm	180 lm	48 lm	260 lm	51 lm	135 lm	36 lm	195 lm	34 lm	90 lm	24 lm	130 lm	17 lm	45 lm	12 lm	65 lm
Luminaire efficiency	17 lm/W				17 lm/W				17 lm/W				17 lm/W			
Measures / Weight	1010 x 35 x 19 mm / 660 gr				760 x 35 x 19 mm / 540 gr				510 x 35 x 19 mm / 405 gr				260 x 35 x 19 mm / 280 gr			

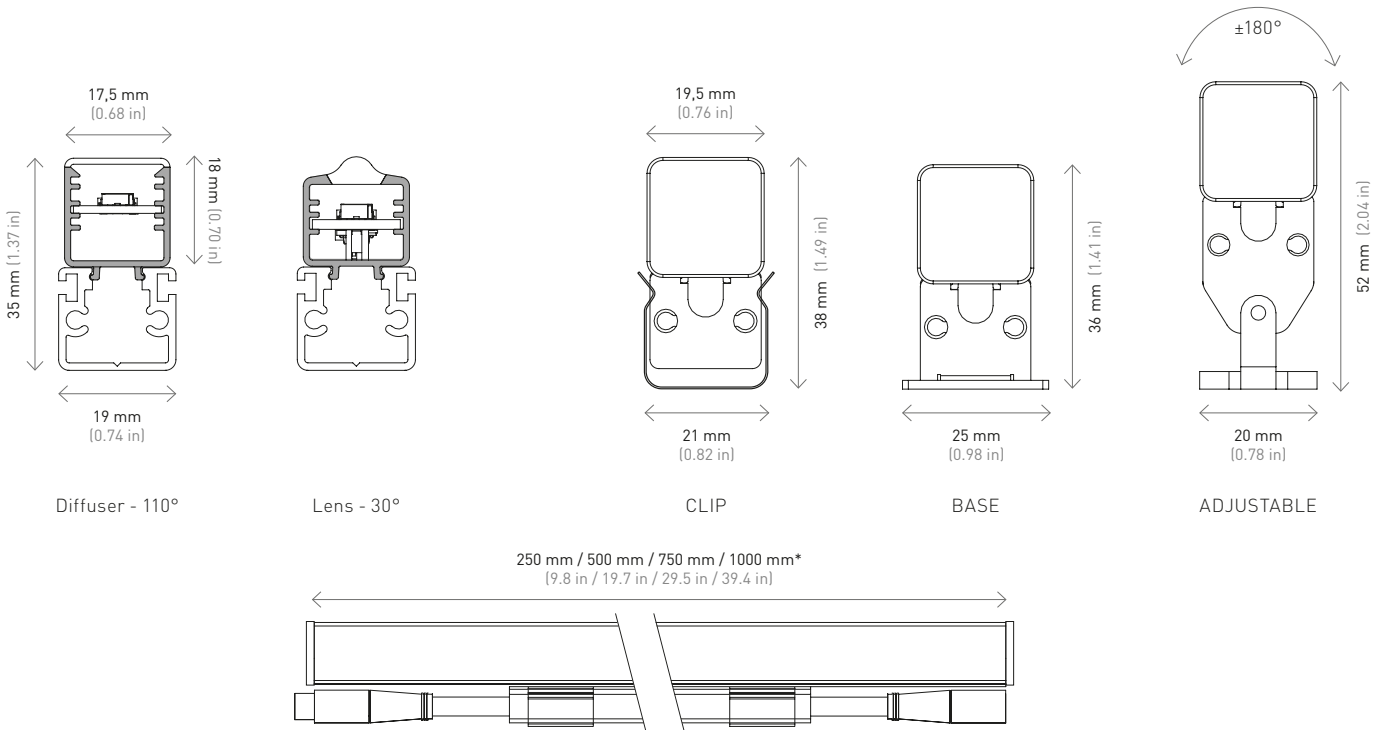
LedFloodStrip® PIXEL - RGB - 110° - 24V																
	1000				750				500				250			
Power	15,3 W (60 PXL)				11,5 W (45 PXL)				7,6 W (30 PXL)				3,8 W (15 PXL)			
Color temperature	R	G	B	R+G+B	R	G	B	R+G+B	R	G	B	R+G+B	R	G	B	R+G+B
Lumens output	80 lm	208 lm	52 lm	296 lm	60 lm	156 lm	39 lm	222 lm	40 lm	104 lm	26 lm	148 lm	20 lm	52 lm	13 lm	74 lm
Luminaire efficiency	19 lm/W				19 lm/W				19 lm/W				19 lm/W			
Measures / Weight	1010 x 35 x 19 mm / 660 gr				760 x 35 x 19 mm / 540 gr				510 x 35 x 19 mm / 405 gr				260 x 35 x 19 mm / 280 gr			



Controlable pixel a pixel.
Controllable pixel by pixel.

LED FLOOD STRIP® PLUS PIXEL

MEASURES MEDIDAS

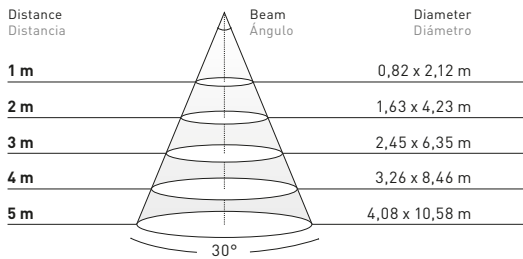


*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

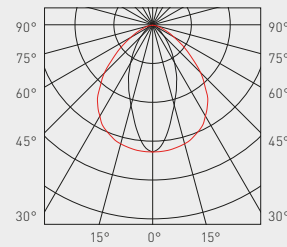
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

LFS® Plus Pixel RGB

25 cm 30°

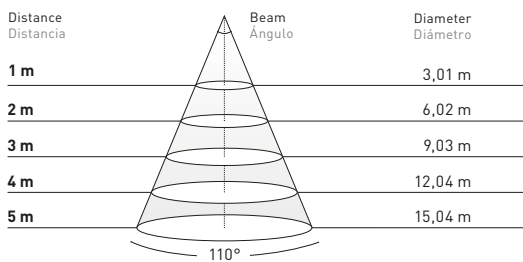


R	G	B	R+G+B
RED ROJO	GREEN VERDE	BLUE AZUL	
14 lux	34 lux	8 lux	49 lux
4 lux	9 lux	2 lux	12 lux
2 lux	4 lux	1 lux	5 lux
1 lux	2 lux	1 lux	3 lux
1 lux	1 lux	0 lux	2 lux

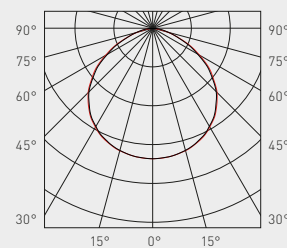


LFS® Plus Pixel RGB

25 cm 110°



R	G	B	R+G+B
RED ROJO	GREEN VERDE	BLUE AZUL	
7 lux	18 lux	4 lux	26 lux
2 lux	5 lux	1 lux	7 lux
1 lux	2 lux	0 lux	3 lux
0 lux	1 lux	0 lux	2 lux
0 lux	1 lux	0 lux	1 lux



Data calculated with **LedFloodStrip® Plus (250 mm - diffuser 30° & 110°)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at **www.mclight.com**.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **LedFloodStrip® Plus (250 mm - difusor 30° y 110°)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en **www.mclight.com**.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.



DETAILS DETALLES



Diffuser 110°.
Difusor 110°.



Lens 30°.
Lente 30°.



Clip.
Clip.



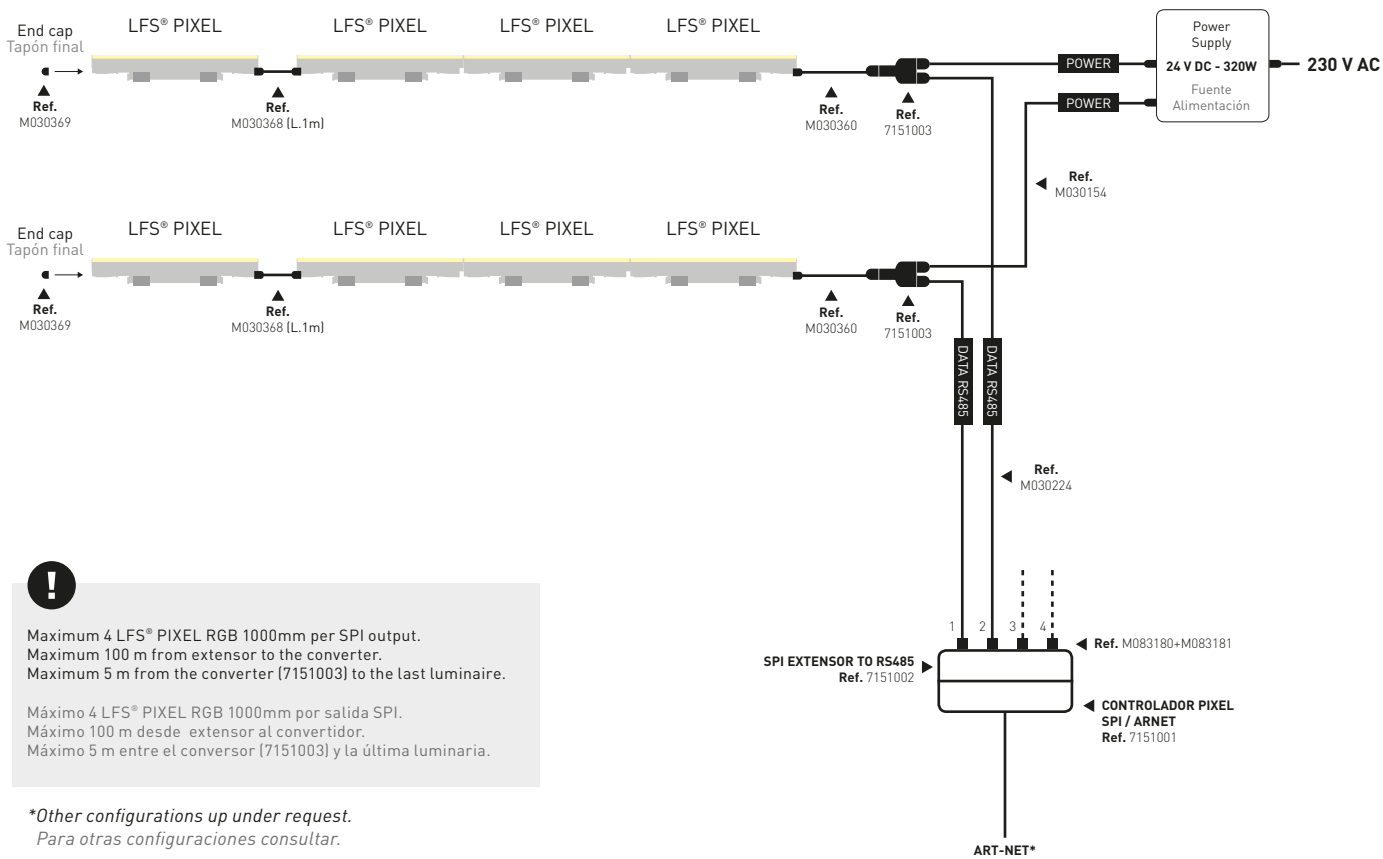
Not adjustable base.
Base no ajustable.



Swivel base.
Base giratoria.

LED FLOOD STRIP® PLUS PIXEL

RGB DMX CONNECTIONS CONEXIONES DMX PARA RGB

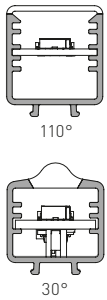


CONTROLLERS REFERENCES REFERENCIAS CONTROLADORES



7151001	Pixel SPI 8 universes extensible controller	Controlador Pixel SPI 8 universos extensible	1
7151002	SPI / RS485 8 universes signal extender	Extensor de señal SPI/RS485 8 universos	2
7151003	IP68 RS485 / SPI 2 universes converter	Convertor IP68 RS485/SPI 2 universos	3
M083180	RJ 45 male shield connector level 5	Conector RJ 45 macho nivel 5 apantallado	4
M083181	Cap for RJ45 level 5 gray	Capuchon para RJ45 nivel 5 gris	5

REFERENCES REFERENCIAS



LedFloodStrip® Pixel 24V
Diffuser 110° | Lens 30°

741 X 4 3 X /11

COLOR COLOR

/11 RGB

LENGTH LONGITUD

1 250
2 500
3 750
4 1000

TYPE MODELO

1 Diffuser 110° Difusor 110°
2 Lens 30° Lente 30°

OPTIONS LEDFLOODSTRIP® PLUS PIXEL OPCIONES LEDFLOODSTRIP® PLUS PIXEL

*The standard version is delivered with clip.
La versión estándar se suministra con clip.*

BRACKETS SOPORTES

Clip **(Standard)**
Not adjustable base Base fija
Swivel base Base giratoria

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M030360	Power cable 70 cm	Cable alimentación 70 cm	1
M030368	Extension cable 1 m	Cable extensión 1 m	2
M030369	End cap	Tapón final	
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Urbo Business Center,
Matosinhos, Portugal



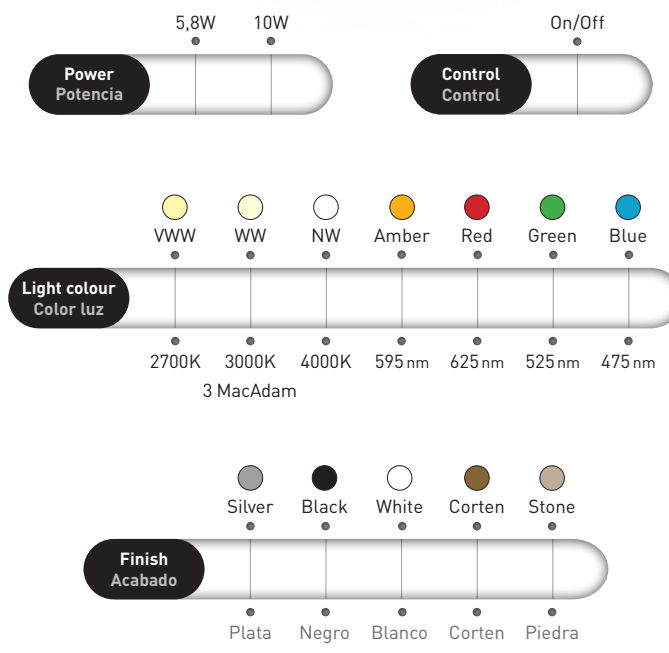


BOW[®]



- To highlight the outer edge of windows and arches
- Inner louvres to adjust the beam angle on site.
- Beam angle: 180° x 15°
- Leveling luminaire to correct windowsill slope
- 2m wire with lateral or backside cable output
- 5 different finishes for better façade integration

- Iluminación para acentuar el contorno de ventanas y arcos
- Lamas interiores para ajustar el ángulo de luz en la obra
- Ángulo de apertura: 180° x 15°
- Luminaria nivelable para corregir la inclinación del vierte aguas
- Cable de 2m con salida lateral o posterior
- 5 acabados diferentes para integrarse con las fachadas



**SPECIFICATIONS
CARACTERÍSTICAS**

IP65	IK08	CRI>80	100-240V AC		on/off	AL + PMMA Housing	Ta min -20°C -4°F Ta max +50°C +122°F	CE
------	------	--------	----------------	--	--------	----------------------------	--	----

BOW® 5,8W							
Measures	100 x 120 x 49 mm						
Weight	0,400 kg						
Color temperatures	2700K	3000K	4000K	Amber	Red	Green	Blue
Power	5,8 W / 2 LEDs	5,8 W / 2 LEDs	5,8 W / 2 LEDs	5,8 W / 2 LEDs	4,2 W / 2 LEDs	5,8 W / 2 LEDs	5,8 W / 2 LEDs
Lumens output	200lm	212lm	235lm	213lm	142lm	233lm	98lm

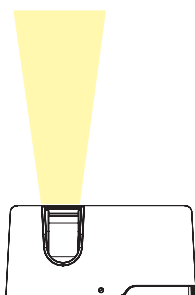
BOW® 10W							
Measures	100 x 120 x 49 mm						
Weight	0,400 kg						
Color temperatures	2700K	3000K	4000K	Amber	Red	Green	Blue
Power	10 W / 2 LEDs	10 W / 2 LEDs	10 W / 2 LEDs	10 W / 2 LEDs	8 W / 2 LEDs	10 W / 2 LEDs	10 W / 2 LEDs
Lumens output	388lm	408lm	449lm	405lm	272lm	445lm	194lm

**ADJUSTABLE LOUVRES
LAMAS AJUSTABLES**

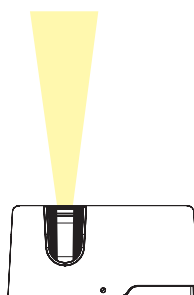
Inner louvres to adjust the beam angle on site (from 100% to 0%).
Lamas interiores para ajustar el ángulo de luz en la obra (de 100% a 0%).



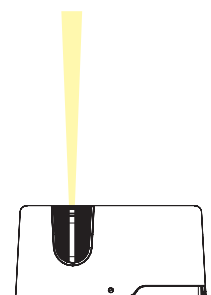
100% open



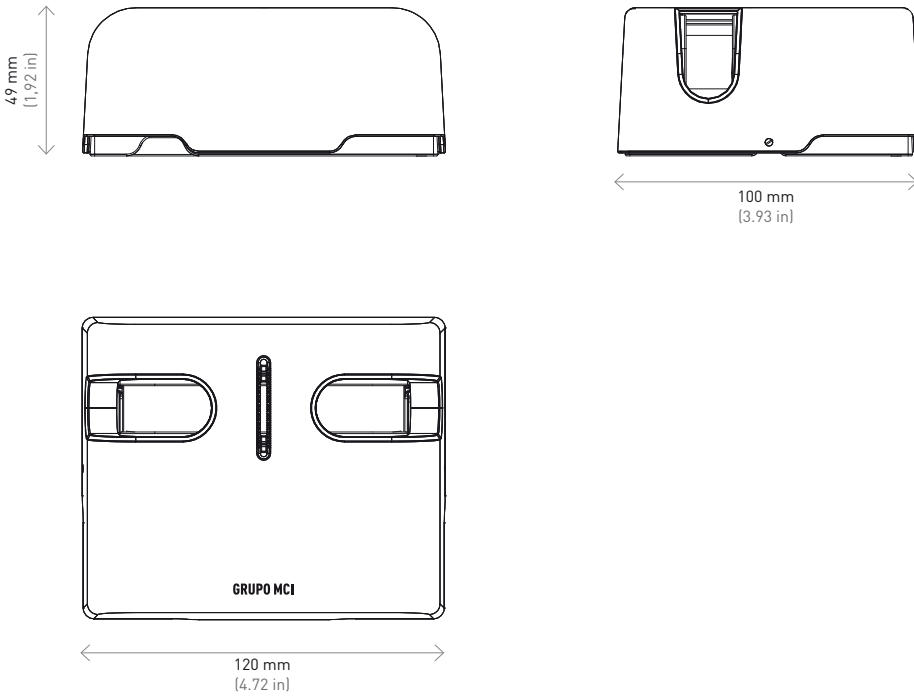
50% open



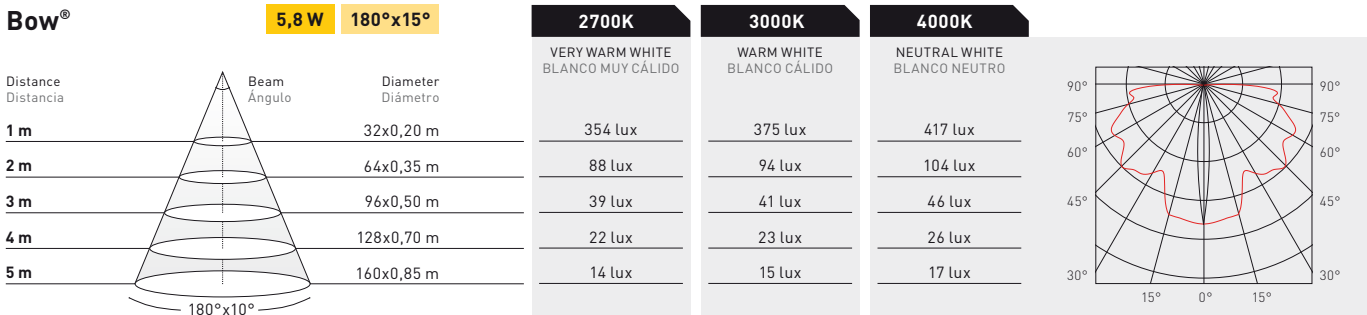
20% open



MEASURES
MEDIDAS



LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS



Data calculated with BOW®.
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con BOW®.
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**FINISHES
ACABADOS**

In order to satisfy all our customers, five different versions are available: silver, black, white, corten and stone.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en cinco acabados: plata, negro, blanco, corten y piedra.



Micro textured silver.
Plata micro texturizado.



Micro textured black.
Negro micro texturizado.



Micro textured white.
Blanco micro texturizado.



Micro textured corten.
Corten micro texturizado.



Micro textured stone.
Piedra micro texturizado.

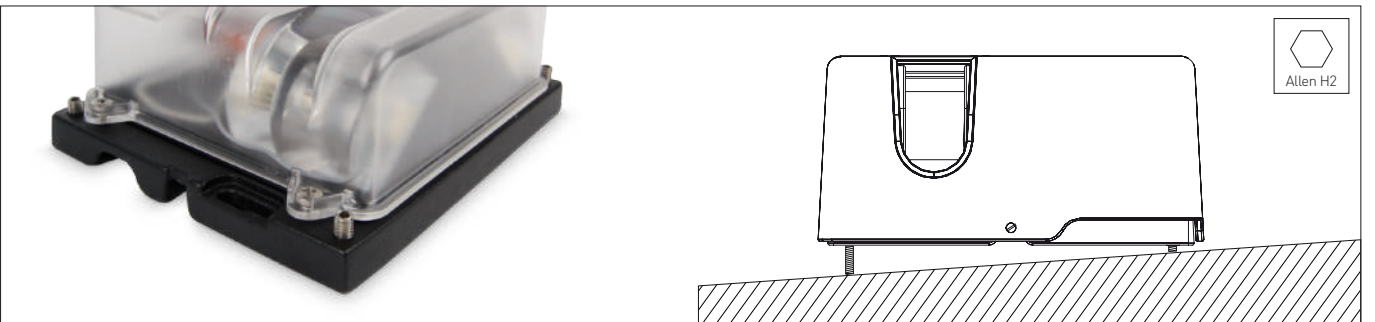
**DETAILS
DETALLES**



2m wire backside cable output.
Cable de 2m con salida posterior.

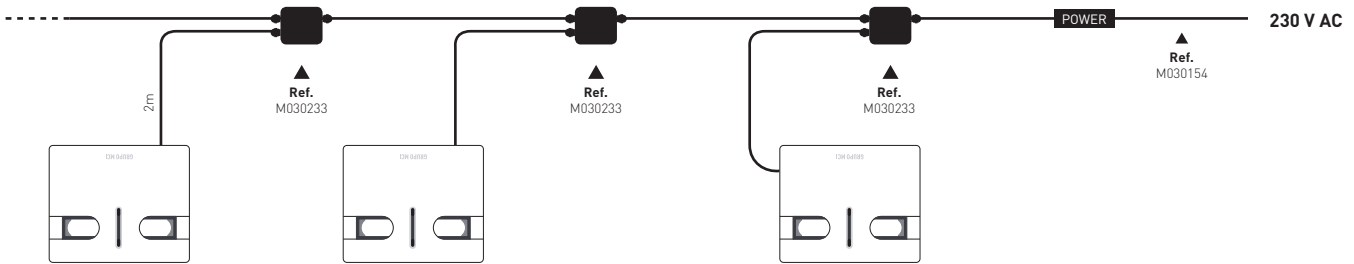
2m wire hidden cable output.
Cable de 2m con salida inferior.

2m wire with lateral cable output.
Cable de 2m con salida lateral.



Leveling luminaire to correct windowsill slope.
Luminaria nivelable para corregir la inclinación del vierte aguas.

ON-OFF CONNECTIONS
CONEXIONES ON-OFF



! Maximum 15 units of Bow per on-off connection
Máximo de 15 Bow por conexión on-off

REFERENCES
REFERENCIAS

OPTIONS
OPCIONES

71326 X X /XX/XXX

COLOUR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /04 Amber Ambar (595nm)
- /03 Red Rojo (625nm)
- /09 Blue Azul (475nm)
- /08 Green Verde (525nm)

POWER POTENCIA

- 0 5,8W
- 1 10W

FINISHES ACABADOS

- 0 Texturised silver Plata texturizado
- 2 Texturised black Negro texturizado
- 3 Texturised white Blanco texturizado
- 4 Texturised corten Corten texturizado
- 5 Texturised stone Piedra texturizado

The standard version is delivered with On/Off.
La versión estándar se suministra con control On/Off.

CONTROL CONTROL

On/Off **(Standard)**

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



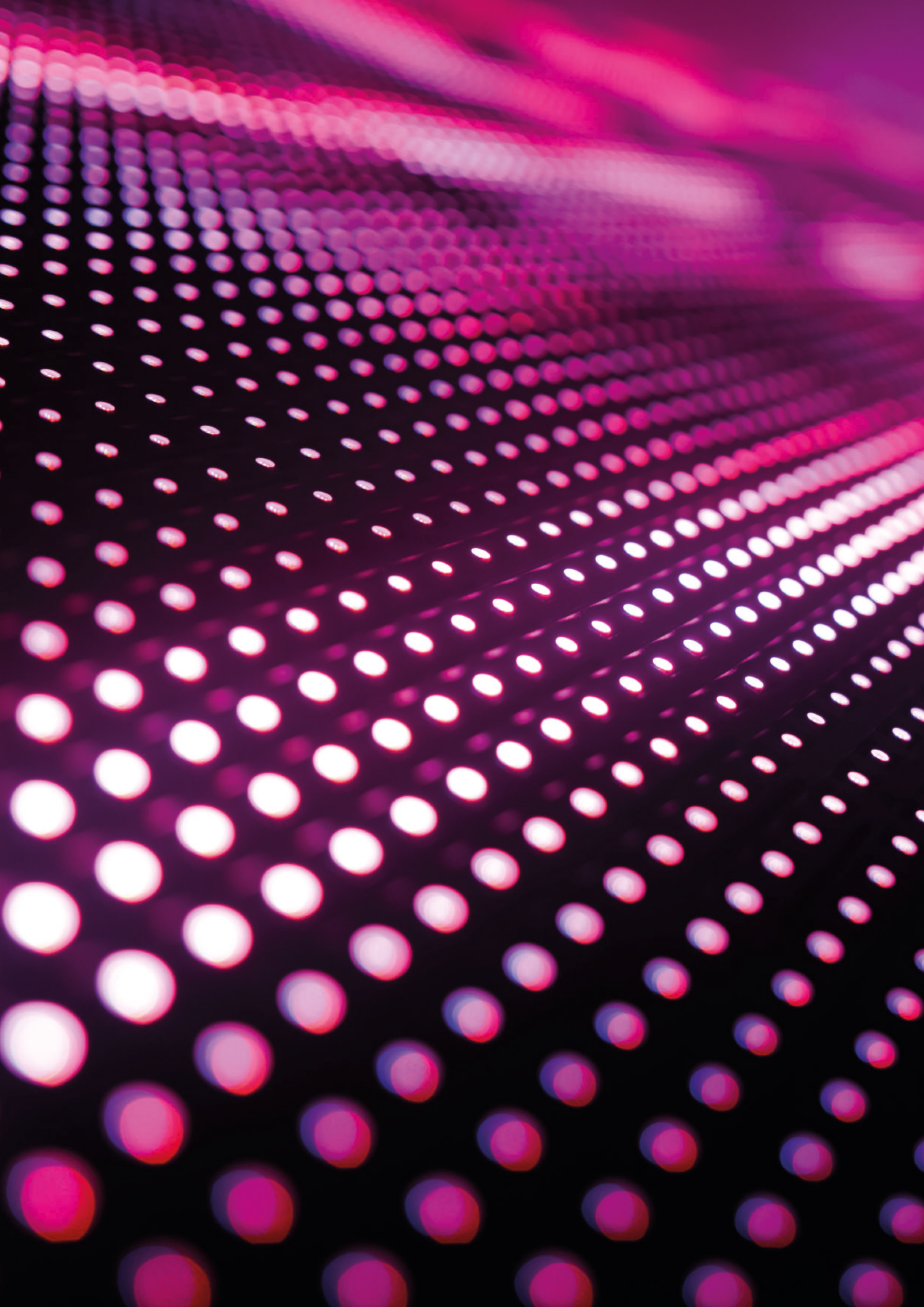
For installation On/Off

Para instalación On/Off

M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	1
M030233	Derivation box	Caja derivación	
M030235	5 way terminal block	Regleta 5 vías	

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312





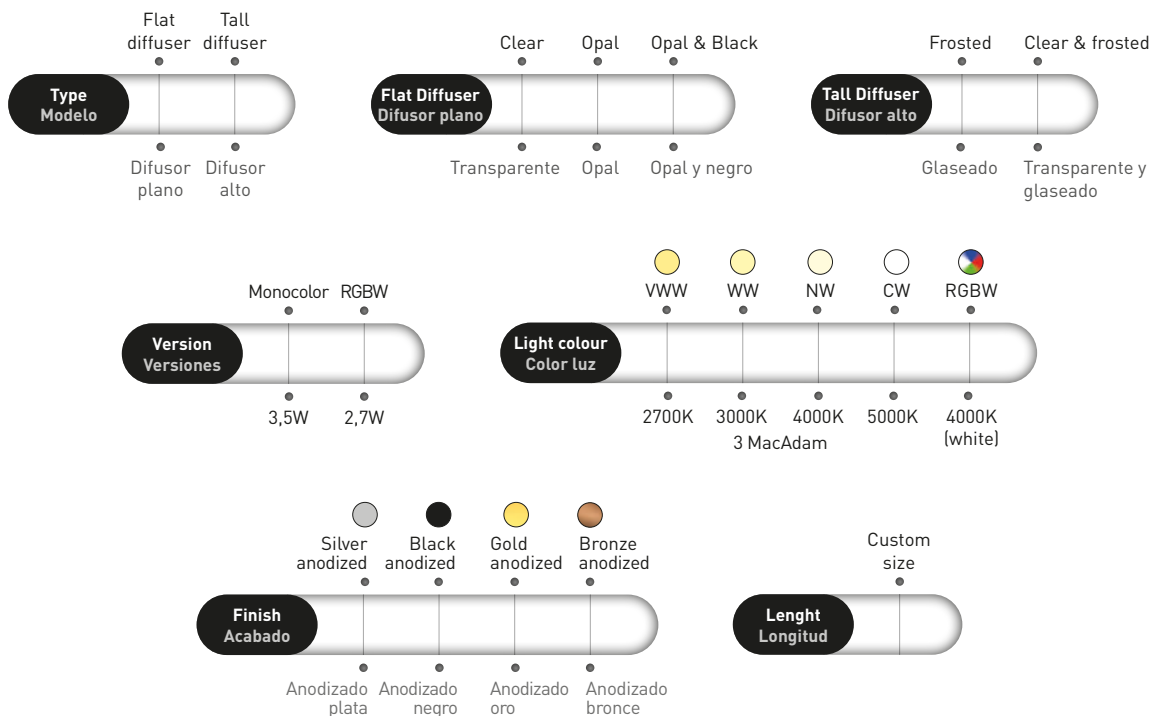


SMART DOT®

Design by LDC



- Customizable pixel for media applications
 - Plug&Play at its finest
 - Surface luminaires suitable for indoor and in outdoor use
 - Daisy chain up to 32 Dots
 - Tall or flat diffuser types
 - Different daytime appearances due to several diffuser's finishes
 - Monocolor and RGBW versions
 - DMX-RDM control (Remote device management)
 - Up to 230 lumens output in Ø60x30mm
- Pixel personalizable para aplicaciones interactivas
 - Plug&Play en su máxima expresión
 - Luminarias de superficie aptas para uso exterior e interior
 - Conexiones en cadena hasta 32 Dots
 - Modelos con difusor plano y alto
 - Los distintos difusores proporcionan varias apariencias durante el día
 - Versiones Monocolor y RGBW
 - DMX-RDM control (Remote device management)
 - Hasta 230 lumens en Ø60x30mm



The standard version for flat diffuser is opal and for tall diffuser is frosted.
La versión estándar con difusor plano es opal y con difusor alto es glaseado.

Due to some differences in the diffusers finishes, the color temperatures could change slightly.
Debido a los diferentes acabados de los difusores las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS
CARACTERÍSTICAS

IP65	IK08 tall diffuser	DMX RDM	36V DC		CRI 80	Anodized AL Housing	PMMA Diffuser	UV resistant	Ta min -20°C -4°F Ta +50°C max +122°F	CE
------	--------------------------	------------	-----------	--	--------	---------------------------	------------------	-----------------	--	----

Smart Dot® Flat									
	Monocolor				RGBW				
Dot Power	3,5 W				2,7 W				
Color temperatures	2700K	3000K	4000K	5000K	Red	Green	Blue	4000K	R+G+B+W
Lumens output (Clear)	207 lm	218 lm	230 lm	230 lm	45 lm	72 lm	11 lm	59 lm	163 lm
Lumens output (Opal)	145 lm	153 lm	161 lm	161 lm	32 lm	51 lm	8 lm	42 lm	115 lm
Luminaire efficiency (Clear)	59 lm/W	62 lm/W	66 lm/W	66 lm/W	60 lm/W				
Measures / Weight	Ø 60 x 42 mm 215 gr								

Smart Dot® Tall									
	Monocolor				RGBW				
Dot Power	3,5 W				2,7 W				
Color temperatures	2700K	3000K	4000K	5000K	Red	Green	Blue	4000K	R+G+B+W
Lumens output (Frosted)	153 lm	162 lm	170 lm	170 lm	24 lm	38 lm	6 lm	32 lm	85 lm
Lumens output (Clear Frosted)	194 lm	205 lm	216 lm	216 lm	30 lm	48 lm	8 lm	40 lm	108 lm
Luminaire efficiency (Clear Frosted)	55 lm/W	58 lm/W	61 lm/W	61 lm/W	40 lm/W				
Measures / Weight	Ø 60 x 62 mm 280 gr								

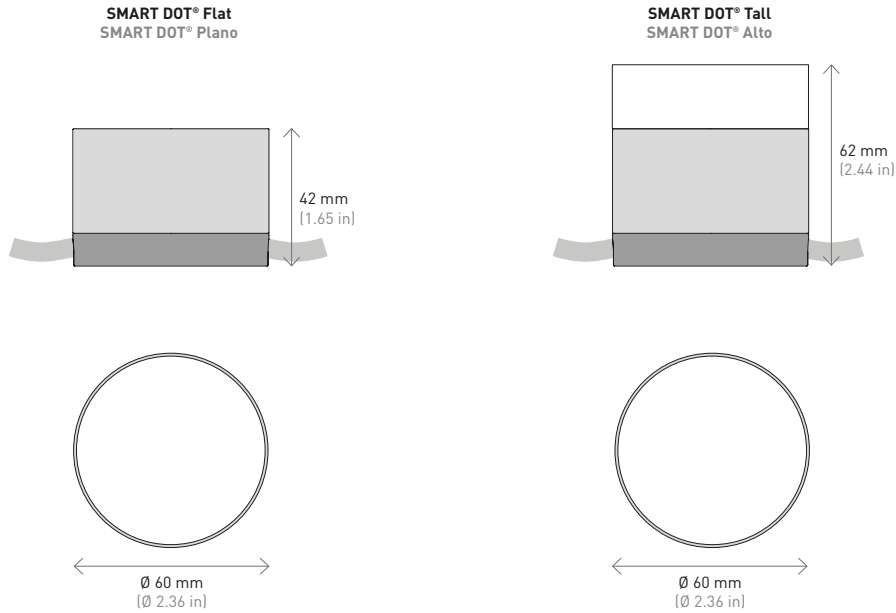


Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

The Avenues Prestige Shopping Mall,
Kuwait

MEASURES MEDIDAS

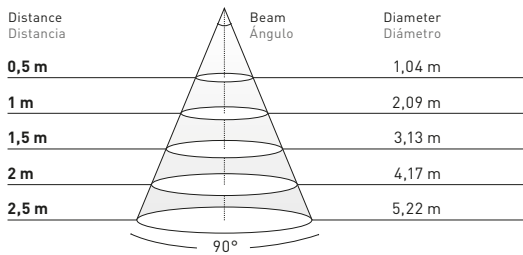


LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

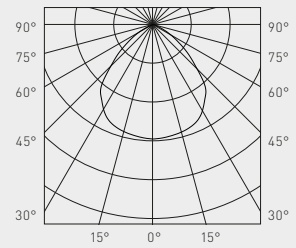
Smart Dot® RGBW Flat

2,7W Clear

RGBW



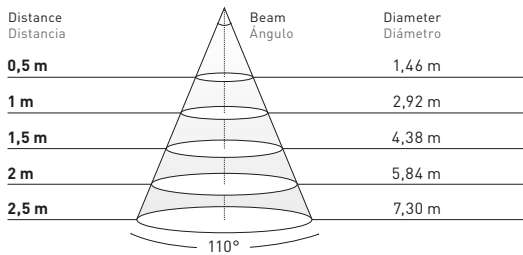
315 lux
79 lux
35 lux
20 lux
13 lux



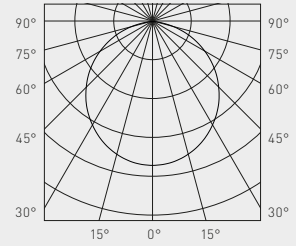
Smart Dot® RGBW Flat

2,7W Opal

RGBW



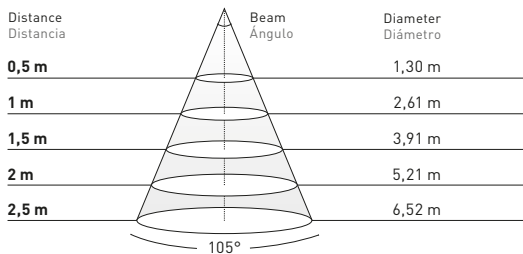
166 lux
42 lux
18 lux
10 lux
7 lux



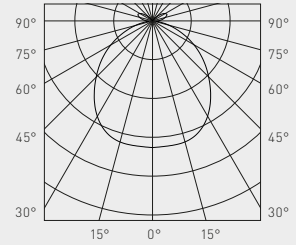
Smart Dot® RGBW Tall

2,7W Clear&frosted

RGBW



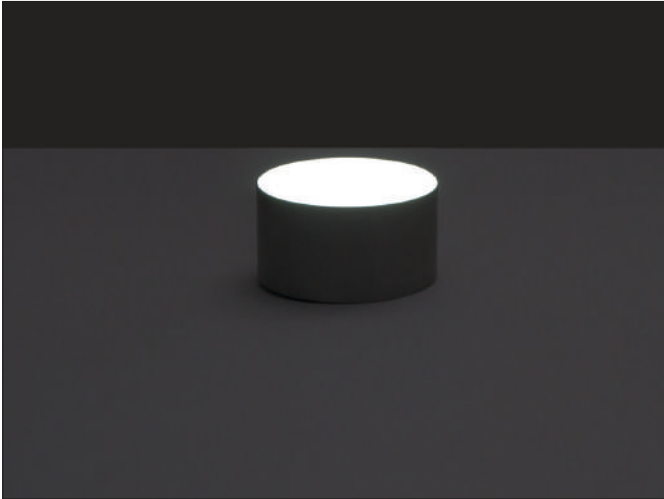
138 lux
34 lux
15 lux
9 lux
6 lux



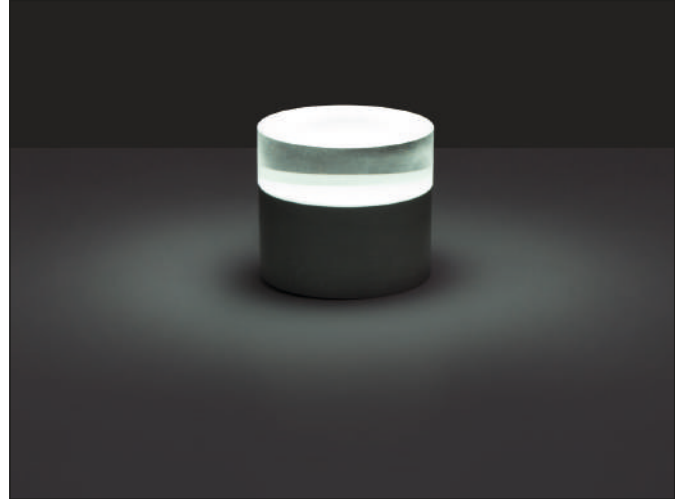
Lumen measurement complies with **UNE-EN 00000 / IES LM-00-00** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Ensayado bajo las especificaciones de la norma **UNE-EN 00000 / IES LM-00-00**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

DETAILS
DETALLES



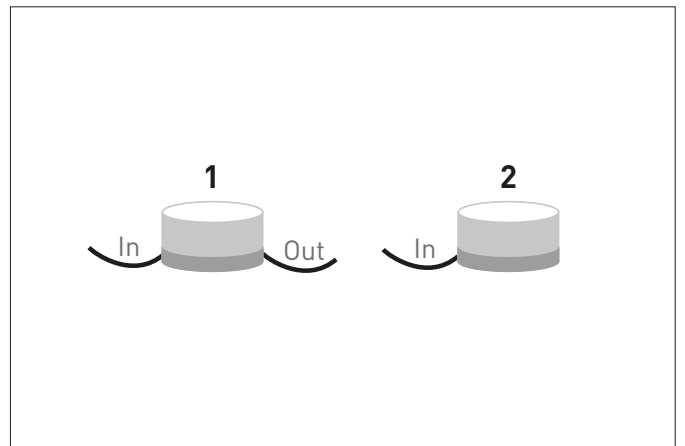
Opal flat diffuser.
Difusor plano Opal.



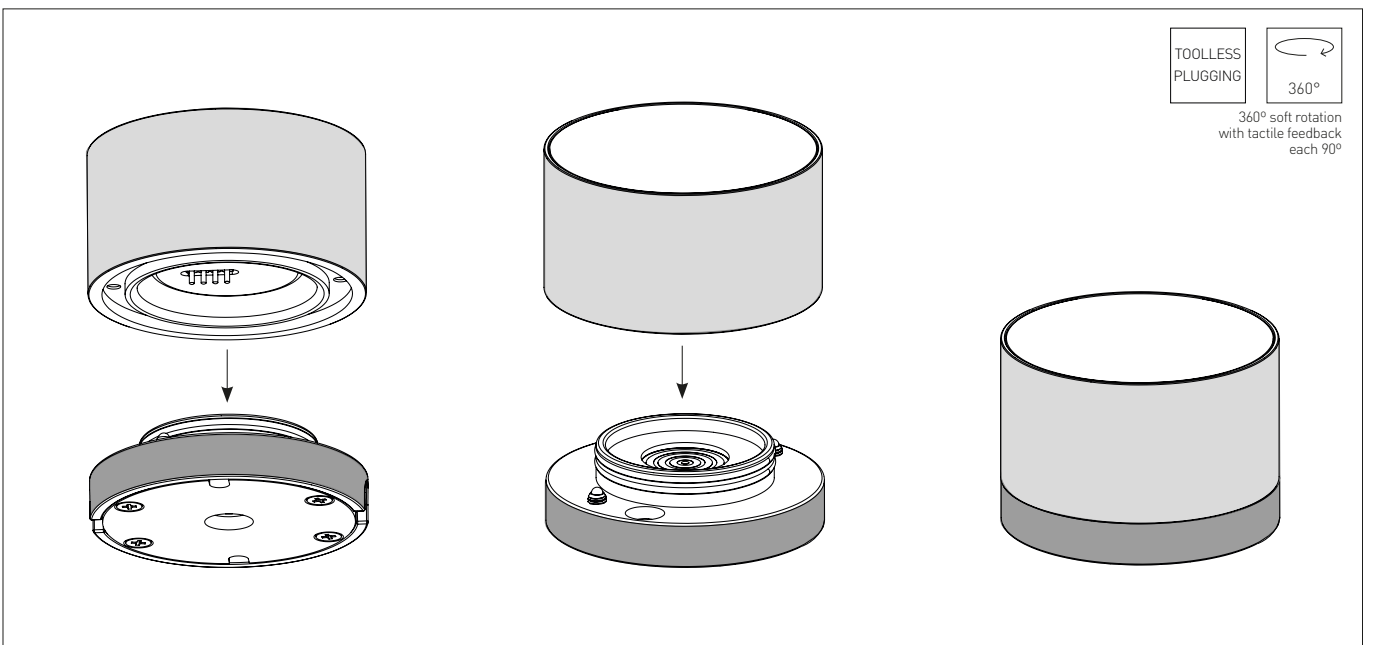
Clear & frosted tall diffuser.
Difusor alto transparente y glaseado.



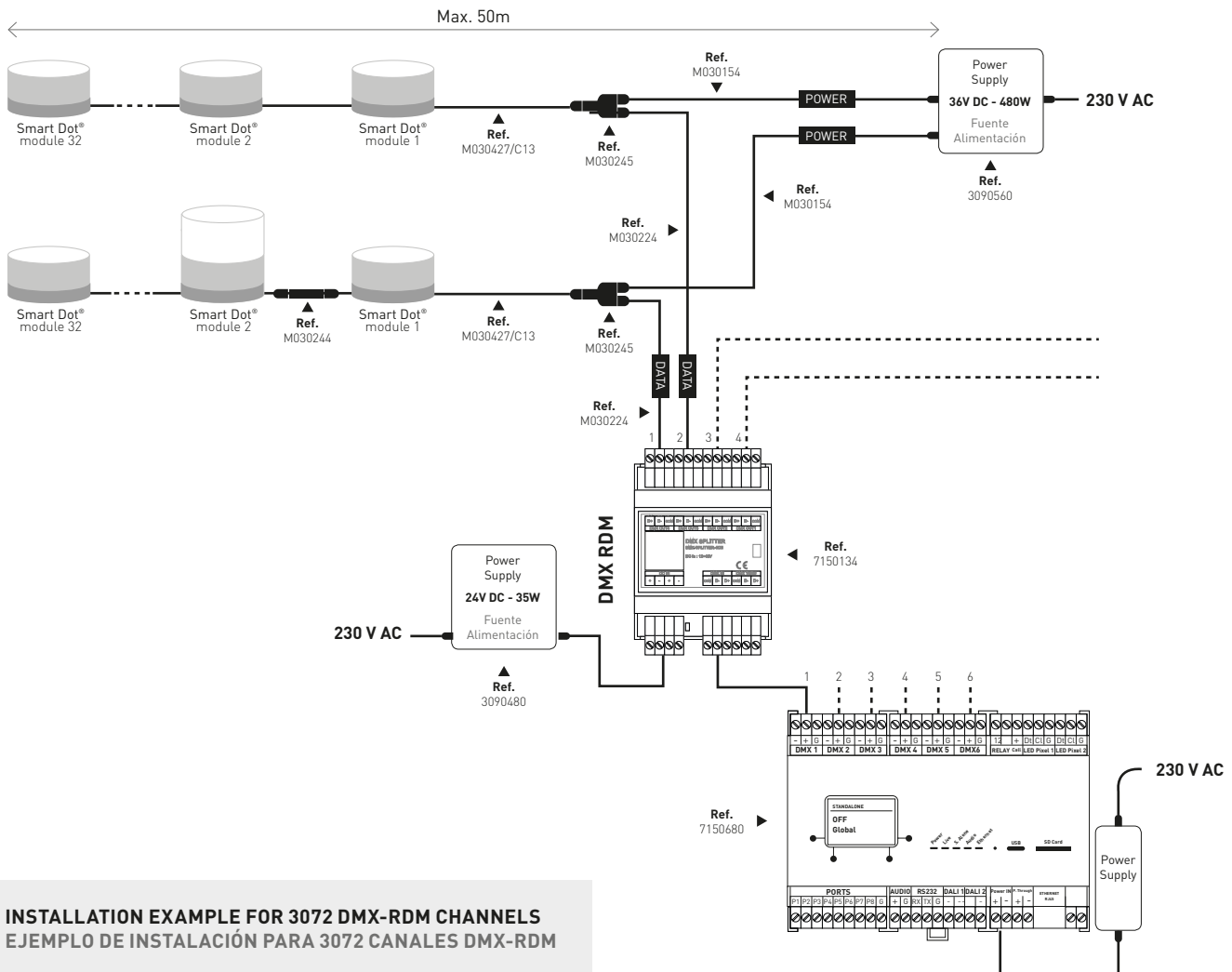
Easy installation and replacement of the Dots thanks to the toolless plugging.
Fácil instalación y remplazo de los Dots gracias al montaje sin herramientas.



Versatility for the cable's input-output.
Versatilidad total para la entrada-salida de los cables.



CONNECTIONS CONEXIONES



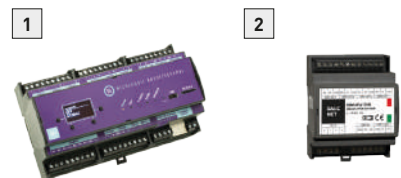
INSTALLATION EXAMPLE FOR 3072 DMX-RDM CHANNELS EJEMPLO DE INSTALACIÓN PARA 3072 CANALES DMX-RDM

Maximum 768 Smart Dot RGBW.
Maximum 3072 Smart Dot monocolor.
Maximum 100 m from controller to the splitter.
Maximum 100 m from splitter to last Smart Dot.

Máximo 768 Smart Dot en RGBW.
Máximo 3072 Smart Dot en monocolor.
Máximo 100 m del controlador al splitter.
Máximo 100 m del splitter al último Smart Dot.

*Other configurations up under request.
Para otras configuraciones consultar.*

CONTROLLERS REFERENCES REFERENCIAS CONTROLADORES



7150680	6 univers DMX-RDM + ART-NET + SPI + DALI controller / DINA DR1	Controlador 6 universos DMX-RDM + ART-NET + SPI + DALI / DINA DR1	1
7150134	DIN rail format DMX RDM 4 outputs Splitter	Splitter 4 salidas DMX RDM formato caril DIN	2

REFERENCES
REFERENCIAS

Smart Dot® Base

7133 0 2 X

VERSION VERSIÓN

- 1 Side cable IN / OUT
- 2 Side cable IN

FINISHES ACABADOS

- 2 Black anodized Anodizado negro

TYPE MODELO

- 0 Base*



* Cable not included. (ref. M030427/C13)
Indicate distances between bases.
Cable no incluido. (ref. M030427/C13)
Indicar distancias entre bases.

Smart Dot®

7133 1 X X /XX/XXX

COLOUR COLOR

- /80/2K7 2700K
- /80/3K 3000K
- /80/4K 4000K
- /80/5K 5000K
- /11-4K RGBW (4000K)

DIFFUSER DIFUSOR

- 0 Flat Plano
- 1 Tall Alto

FINISHES ACABADOS

- 0 Silver Plata
 - 1 Gold Oro
 - 2 Black Negro
 - 5 Bronze Bronce
- Anodized
Anodizado

OPTIONS
OPCIONES

The standard version for flat diffuser is opal and for tall diffuser is frosted.
La versión estándar con difusor plano es opal y con difusor alto es glaseado.

FLAT DIFFUSER

- Clear
- Opal **(Standard)**
- Opal & Black

TALL DIFFUSER

- Frosted **(Standard)**
- Clear & Frosted

POWER SUPPLY REFERENCES
REFERENCIAS FUENTES DE ALIMENTACIÓN



Power supply (IP20)		Fuentes de alimentación (IP20)		
3090490	IP20 Power Supply 200W 36V DC 1 chain of 32 dots	Fuente Alimentación 200W 36V DC IP20 1 cadena de 32 dots		1
3090491	IP20 Power Supply 500W 36V DC 2 chain of 32 dots	Fuente Alimentación 500W 36V DC IP20 2 cadenas de 32 dots		2
Power supply (IP67)		Fuentes de alimentación (IP67)		
3090559	IP67 Power Supply 240W 36V DC 1 chain of 32 dots	Fuente Alimentación 240W 36V DC IP67 1 cadena de 32 dots		3
3090560	IP67 Power Supply 480W 36V DC 2 chain of 32 dots	Fuente Alimentación 480W 36V DC IP67 2 cadenas de 32 dots		4

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M030427/C13	4x1,5 cable (m)	Cable 4x1,5 (m)		
M050582	Cable clamp	Abrazadera para cable		1
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos)		2
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)		3
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)		
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)		

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Førde Town Hall,
Norway



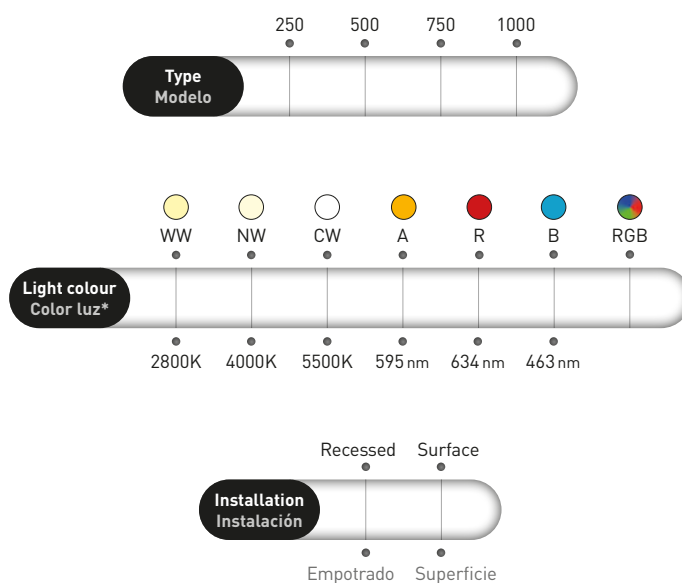


SLIM GROUND LINER®



SLIM GROUND LINER®

- Continuous light for paths and squares
 - Homogenous light without visible dots
 - Linear rigid body
 - Protection class IP67
 - Dimmable
 - Small dimensions
 - Easy serial connection
- Luz continua para calles y plazas
 - Luz lineal uniforme sin puntos
 - Cuerpo lineal rígido
 - Grado de protección IP67
 - Regulable
 - Dimensiones reducidas
 - Fácil conexión en serie



* Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS
CARACTERÍSTICAS

IP67	IK10	24V DC			CRI 80	AL Housing	PUR resin Cover	Ta min -20°C -4°F Ta max +50°C +122°F	CE
------	------	--------	---	---	--------	------------	-----------------	--	----

Slim Ground Liner® 1000							
(with recessed box)							
Measures	1000 x 72 x 57 mm						
Weight	2,1 kg						
Color temperatures	2800K	4000K	5500K	Amber	Red	Blue	RGB
Power	11,6 W	11,6 W	11,6 W	5,8 W	5,8 W	11,6 W	22 W
Lumens output	253 lm	270 lm	310 lm	63 lm	32 lm	28 lm	275 lm
Nº LEDs	120 LEDs	120 LEDs	120 LEDs	120 LEDs	120 LEDs	120 LEDs	90 LEDs
Luminaire efficiency	32 lm/W	34 lm/W	39 lm/W	11 lm/W	6 lm/W	4 lm/W	13 lm/W

Other types on next page >>>
Otros modelos en página siguiente >>>



Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

Yen restaurant,
London, UK

SPECIFICATIONS CARACTERÍSTICAS

Slim Ground Liner® 750

(with recessed box)							
Measures	750 x 72 x 57 mm						
Weight	1,6 kg						
Color temperatures	2800K	4000K	5500K	Amber	Red	Blue	RGB
Power	8,7 W	8,7 W	8,7 W	4,4 W	4,4 W	8,7 W	Not available No disponible
N° LEDs	90 LEDs	90 LEDs	90 LEDs	90 LEDs	90 LEDs	90 LEDs	
Lumens output	190 lm	203 lm	240 lm	48 lm	24 lm	21 lm	
Luminaire efficiency	32 lm/W	34 lm/W	39 lm/W	11 lm/W	5 lm/W	4 lm/W	

Slim Ground Liner® 500

(with recessed box)							
Measures	500 x 72 x 57 mm						
Weight	1,1 kg						
Color temperatures	2800K	4000K	5500K	Amber	Red	Blue	RGB
Power	5,8 W	5,8 W	5,8 W	2,9 W	2,9 W	5,8 W	11 W
N° LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	45 LEDs
Lumens output	125 lm	131 lm	153 lm	32 lm	16 lm	14 lm	134 lm
Luminaire efficiency	31 lm/W	33 lm/W	39 lm/W	11 lm/W	6 lm/W	4 lm/W	12 lm/W

Slim Ground Liner® 250

(with recessed box)							
Measures	250 x 72 x 57 mm						
Weight	0,6 kg						
Color temperatures	2800K	4000K	5500K	Amber	Red	Blue	RGB
Power	2,9 W	2,9 W	2,9 W	1,5 W	1,5 W	2,9 W	Not available No disponible
N° LEDs	30 LEDs	30 LEDs	30 LEDs	30 LEDs	30 LEDs	30 LEDs	
Lumens output	62 lm	67 lm	78 lm	16 lm	8 lm	6 lm	
Luminaire efficiency	31 lm/W	34 lm/W	39 lm/W	11 lm/W	6 lm/W	4 lm/W	



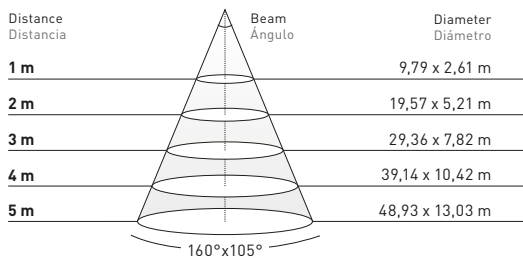
Siete Jewels Gallery,
Valencia, Spain

Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

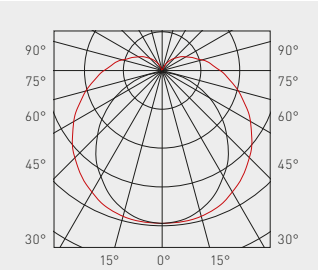
Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

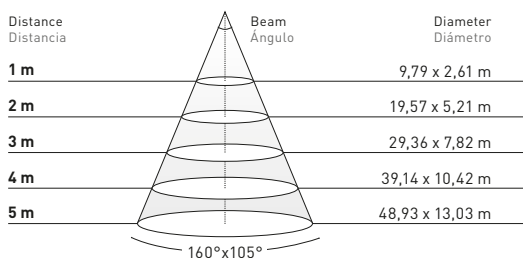
Slim Ground Liner® 1000 120 LEDs



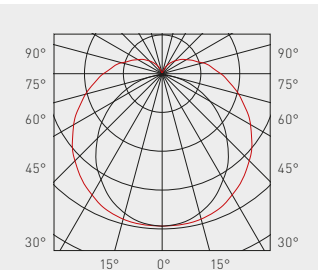
	2800K WARM WHITE BLANCO CÁLIDO	4000K NEUTRAL WHITE BLANCO NEUTRO	5500K COOL WHITE BLANCO FRÍO
	57 lux	61 lux	70 lux
	14 lux	15 lux	18 lux
	6 lux	7 lux	8 lux
	4 lux	4 lux	4 lux
	2 lux	2 lux	3 lux



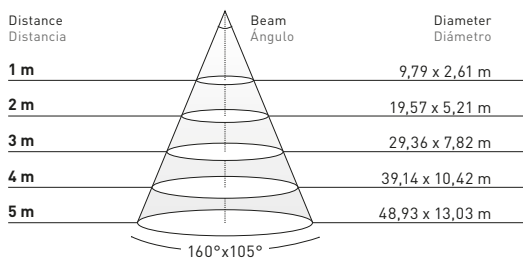
Slim Ground Liner® 750 90 LEDs



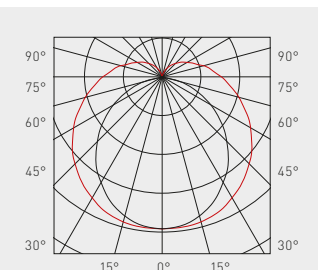
	2800K WARM WHITE BLANCO CÁLIDO	4000K NEUTRAL WHITE BLANCO NEUTRO	5500K COOL WHITE BLANCO FRÍO
	43 lux	46 lux	54 lux
	11 lux	11 lux	14 lux
	5 lux	5 lux	6 lux
	3 lux	3 lux	3 lux
	2 lux	2 lux	2 lux



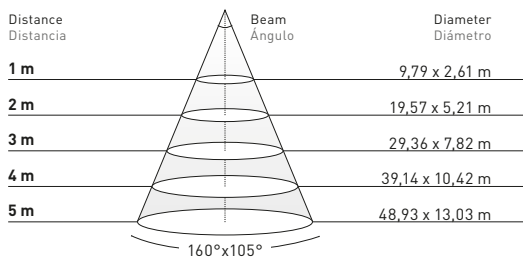
Slim Ground Liner® 500 60 LEDs



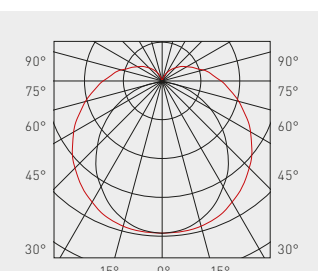
	2800K WARM WHITE BLANCO CÁLIDO	4000K NEUTRAL WHITE BLANCO NEUTRO	5500K COOL WHITE BLANCO FRÍO
	28 lux	30 lux	35 lux
	7 lux	7 lux	9 lux
	3 lux	3 lux	4 lux
	2 lux	2 lux	2 lux
	1 lux	1 lux	1 lux



Slim Ground Liner® 250 30 LEDs



	2800K WARM WHITE BLANCO CÁLIDO	4000K NEUTRAL WHITE BLANCO NEUTRO	5500K COOL WHITE BLANCO FRÍO
	14 lux	15 lux	18 lux
	4 lux	4 lux	4 lux
	2 lux	2 lux	2 lux
	1 lux	1 lux	1 lux
	1 lux	1 lux	1 lux



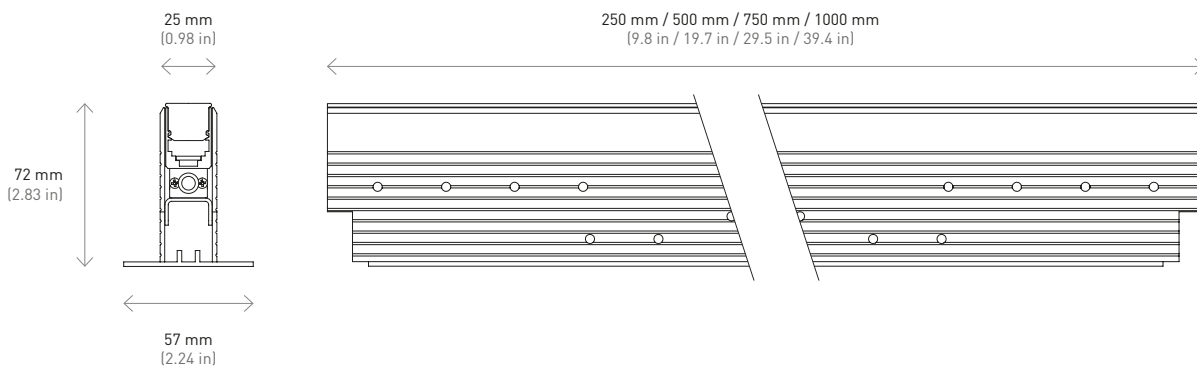
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

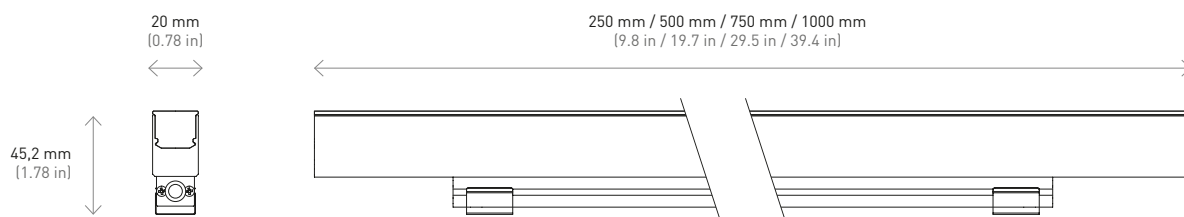
SLIM GROUND LINER®

MEASURES MEDIDAS

Slim Ground Liner® Recessed Empotrado



Slim Ground Liner® Surface (clip) Superficie (clip)



DETAILS DETALLES



Easy installation with clip for surfaces. (Clips included)
Fácil instalación con clip para superficie. (Clips incluidos)

DETAILS
DETALLES



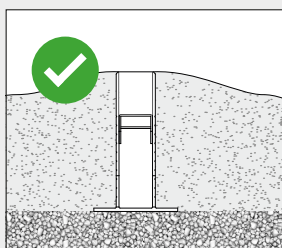
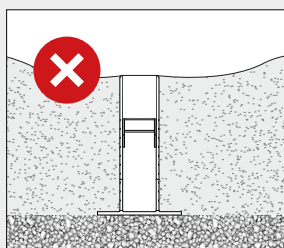
Strain-relief connector IP67.
Conector de retención IP67.



Easy connection.
Conexión fácil.



Polyethylene foam protects the recessed box of concrete dilatations.
Easy Plug&Play system for a fast installation in the recessed box.
La junta de polietileno absorbe las dilataciones del hormigón.
Unión rápida que permite montar con facilidad la luminaria en la caja de empotrar.

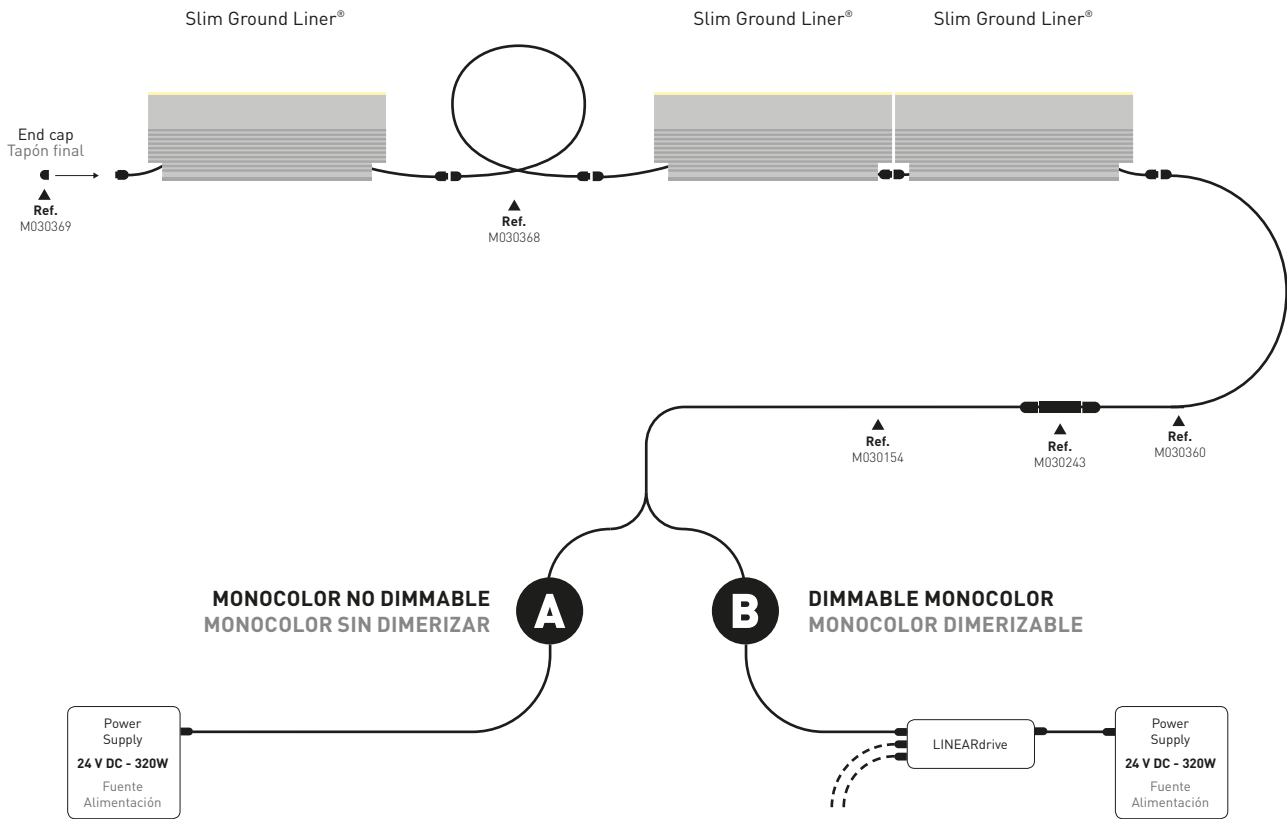


Temporarily immersion protection

A crushed stone surrounding the recessed box is recommended for a correct drainage. Avoid its placing in ground depression.
Incorrect drainage, may cause the loss of warranty.

Para un drenaje correcto se recomienda una capa de grava alrededor de la caja de empotramiento. Evite su colocación en depresiones del terreno.
Un drenaje incorrecto puede significar la pérdida de garantía.

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

A

DIMMABLE MONOCOLOR MONOCOLOR DIMERIZABLE

B

Power Supply
24 V DC - 320W
Fuente Alimentación

LINEARdrive

Power Supply
24 V DC - 320W
Fuente Alimentación

A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

11,6 W/m



Maximum 10 Slim Ground Liner® 1000 mm per line.
Maximum 2 lines in parallel connection (20 Slim Ground Liner® 1000 mm) connected to PSU 24 V DC - 320W.
Maximum 5 m from the power supply to the first Slim Ground Liner®.

Máximo 10 Slim Ground Liner® 1000 mm por línea.
Máximo 2 líneas en paralelo (20 Slim Ground Liner® 1000 mm), conectadas a fuente de alimentación de 24 V DC - 320W.
Máximo 5 m desde la fuente de alimentación al primer Slim Ground Liner® 1000 mm.

5,8 W/m



Maximum 20 Slim Ground Liner® 1000 mm per line.
Maximum 2 lines in parallel connection (40 Slim Ground Liner® 1000 mm) connected to PSU 24 V DC - 320W.
Maximum 5 m from the power supply to the first Slim Ground Liner®.

Máximo 20 Slim Ground Liner® 1000 mm por línea.
Máximo 2 líneas en paralelo (40 Slim Ground Liner® 1000 mm), conectadas a fuente de alimentación de 24 V DC - 320W.
Máximo 5 m desde la fuente de alimentación al primer Slim Ground Liner® 1000 mm.

B

DIMMABLE WITH LINEARdrive 720 DIMERIZABLE CON LINEARdrive 720

11,6 W/m



Maximum 10 Slim Ground Liner® 1000 mm per line.
Maximum 2 lines in parallel connection (20 Slim Ground Liner® 1000 mm) connected to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first Slim Ground Liner® 1000 mm.

Máximo 10 Slim Ground Liner® 1000 por línea.
Máximo 2 líneas en paralelo (20 Slim Ground Liner® 1000), conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W).
Máximo 5 m desde la fuente de alimentación al primer Slim Ground Liner® 1000 mm.

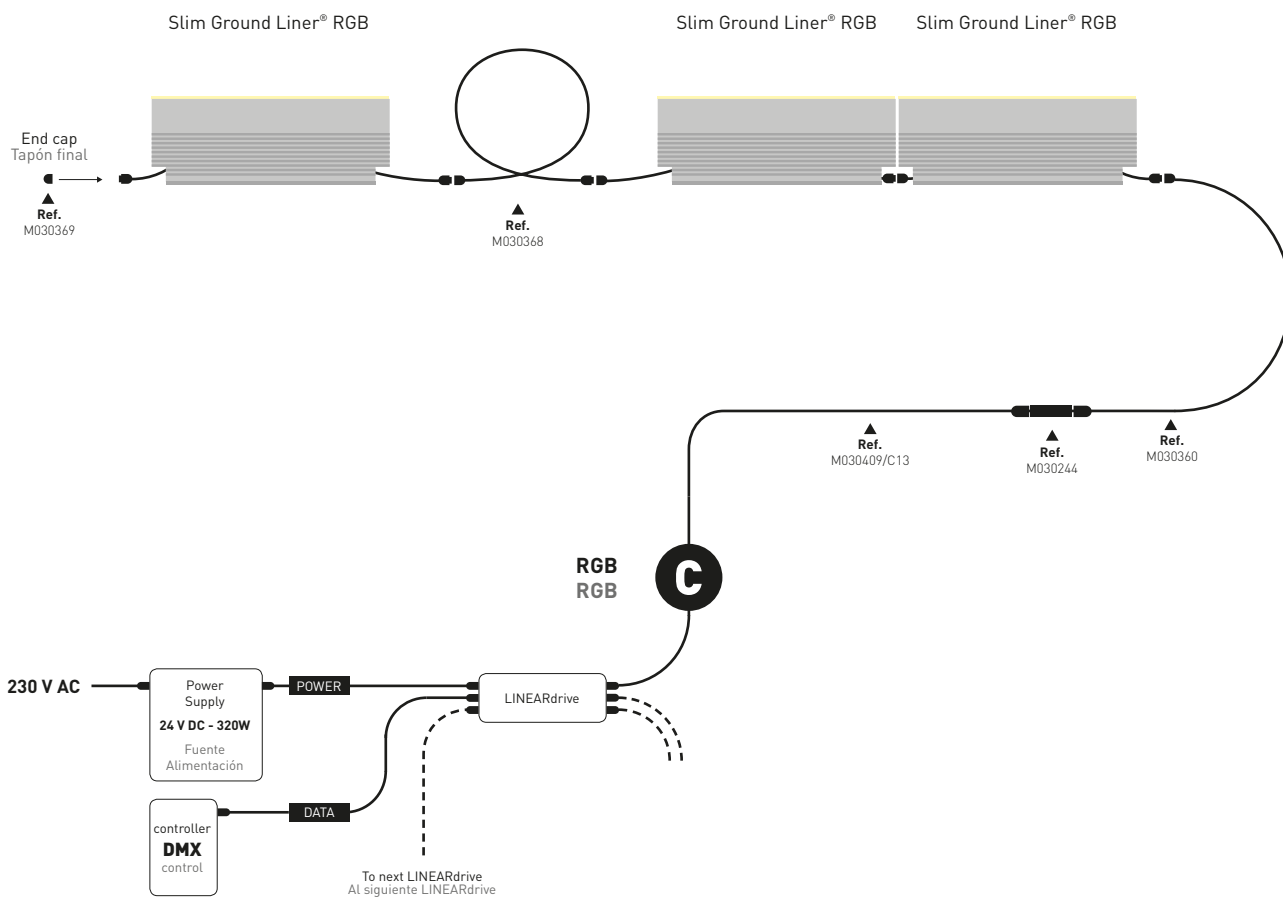
5,8 W/m



Maximum 20 Slim Ground Liner® 1000 mm per line.
Maximum 2 lines in parallel connection (40 Slim Ground Liner® 1000 mm) connected to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first Slim Ground Liner® 1000 mm.

Máximo 20 Slim Ground Liner® 1000 por línea.
Máximo 2 líneas en paralelo (40 Slim Ground Liner® 1000), conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W).
Máximo 5 m desde la fuente de alimentación al primer Slim Ground Liner® 1000 mm.

RGB CONNECTIONS
CONEXIONES RGB



CONTROLLABLE WITH LINEARdrive 720
CONTROLABLE CON LINEARdrive 720

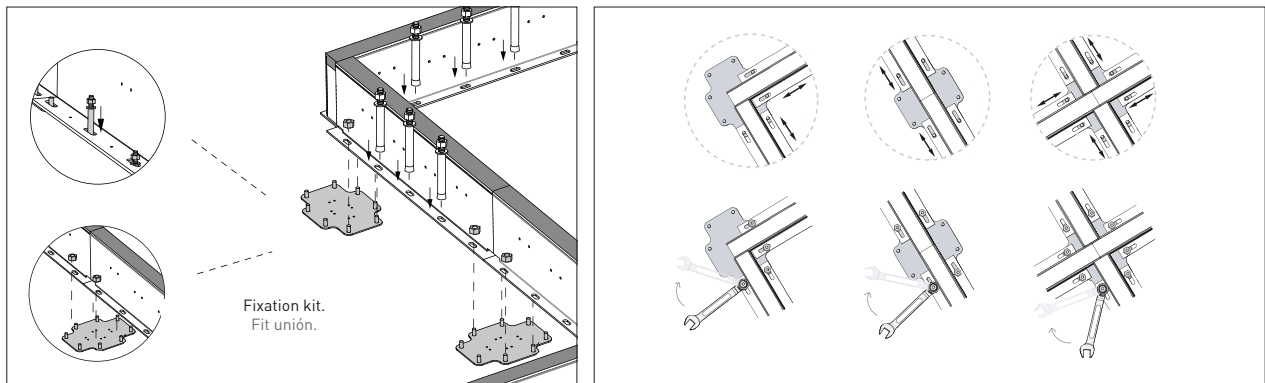
Maximum 4 Slim Ground Liner® RGB 1000 mm per line.
Maximum 3 lines in parallel connection
(12 Slim Ground Liner® RGB 1000 mm)
connected to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first Slim Ground Liner®
RGB 1000 mm.
Follow connection diagram type C for DALI installations.

Máximo 4 Slim Ground Liner® RGB 1000 por línea.
Máximo 3 líneas en paralelo (12 Slim Ground Liner® RGB 1000),
conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W).
Máximo 5 m desde la fuente de alimentación al primer Slim Ground Liner®
RGB 1000 mm.
Para instalación DALI seguir el conexionado tipo C.

INSTALLATION INSTALACIÓN

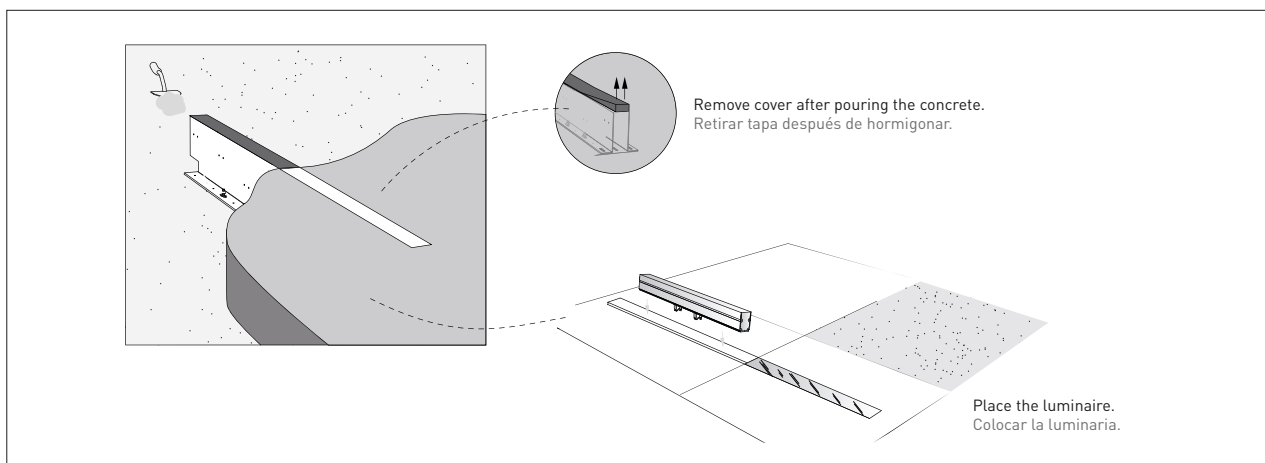
1

Recessed box installation.
Instalación cajetín.



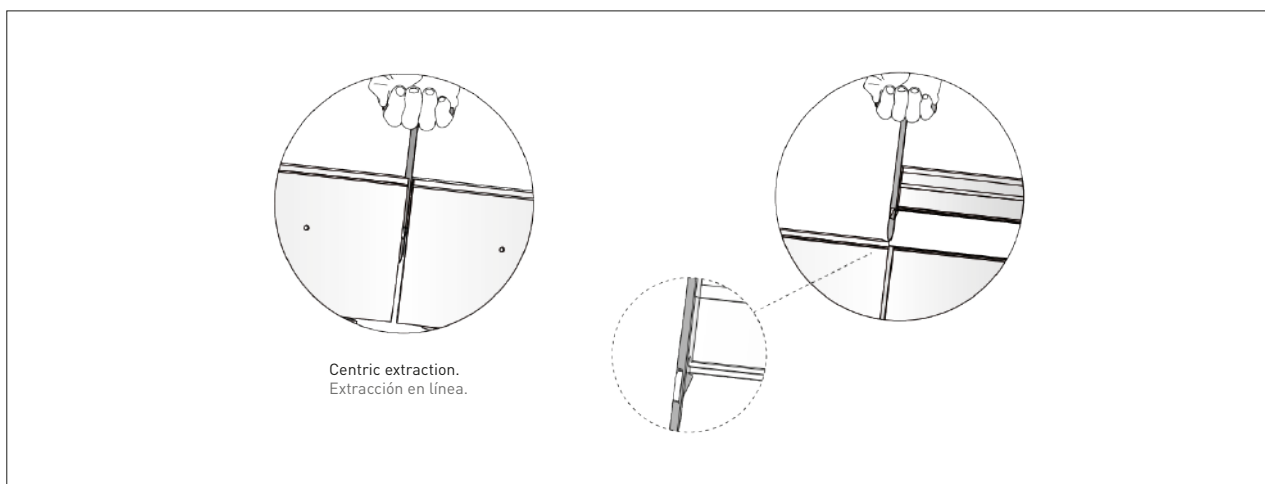
2

Concrete.
Hormigonado.



3

Extraction tool.
Útil de extracción.



REFERENCES
REFERENCIAS

710121 X /XX/XXX

COLOR COLOR

/80/2K8	2800K
/80/4K	4000K
/80/5K5	5500K
/03	Red Rojo
/04	Amber Ambar
/08	Green Verde
/09	Blue Azul
/11	RGB *

LENGTH LONGITUD

1	1000 mm
2	750 mm
3	500 mm
4	250 mm

* Only available in 1000 mm and 500 mm.
Sólo disponible en 1000 mm y 500 mm.

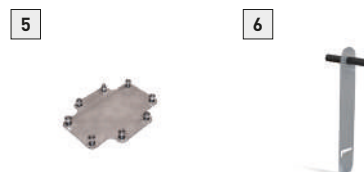
Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M030360	Power cable 70 cm	Cable alimentación 70 cm	1
M030368	Extension cable 1 m	Cable extensión 1 m	2
M030369	End cap	Tapón final	
	For installation.	Para instalación.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles) (monocolor)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos) (monocolor)	3
M030154	3 x 1,5 mm ² H07RN-F cable (m) (monocolor)	Cable 3 x 1,5 mm ² H07RN-F (m) (monocolor)	
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles) (RGB)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (5 polos) (RGB)	4
M030409/C13	5 x 0,75 mm ² PUR cable (RGB)	Cable PUR 5 x 0,75 mm ² (RGB)	
	Accessories for surface installation.	Accesorios para instalación de superficie.	
M170023	Clip	Clip	

RECESSED BOX REFERENCES
REFERENCIAS CAJETÍN DE EMPOTRAR



7101271/C12	Recessed box 1000 mm	Cajetín de empotrar 1000 mm	
7101272/C12	Recessed box 750 mm	Cajetín de empotrar 750 mm	
7101273/C12	Recessed box 500 mm	Cajetín de empotrar 500 mm	
7101274/C12	Recessed box 250 mm	Cajetín de empotrar 250 mm	
	Accessories for recessed box installation.	Accesorios para instalación con cajetín de empotrar.	
7101295	Fixation kit "ILX"	Kit unión "ILX"	5
7101196	Centric extraction tool	Útil extracción en línea	6

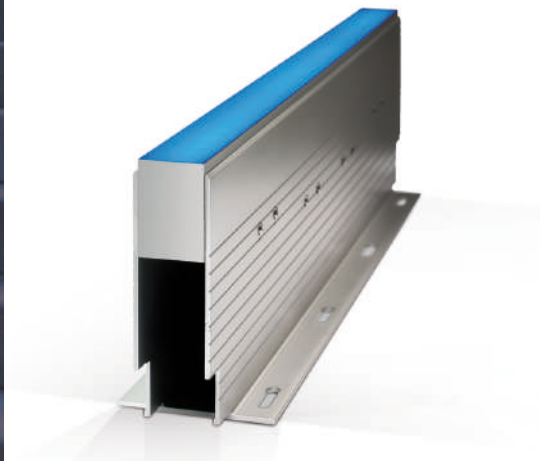
To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Chicago Riverwalk
USA





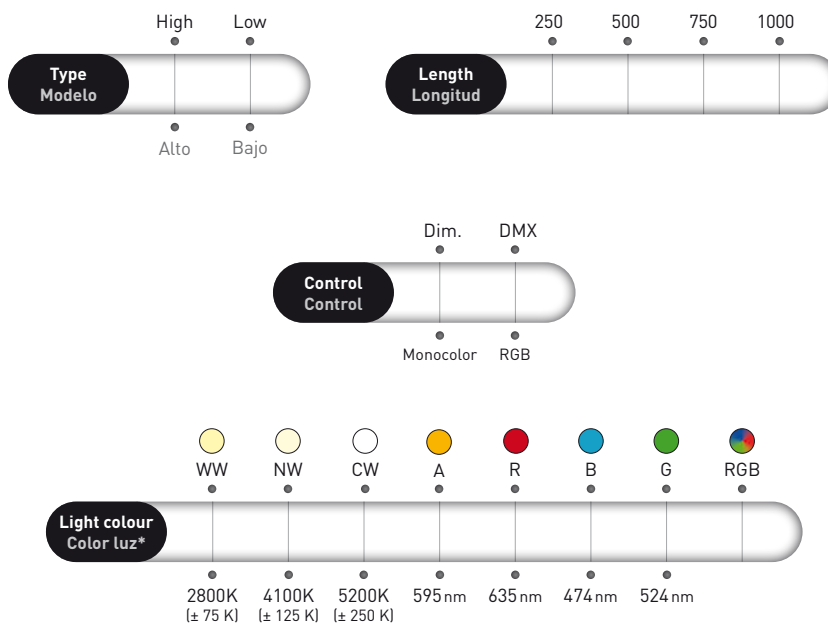
GROUND LINER®



GROUND LINER®

DRIVE OVER 30 kN

- Continuous light for paths and squares
 - Recessed trimless luminaire
 - DMX control
 - Easy serial connection, up to 20 m
 - Up to 500 lm/m
 - Pressure on the fixture of 30 kN
 - 2 recessed boxes: 125 mm and 80 mm
- Luz continua para calles y plazas
 - Luminaria "trimless" empotrable
 - Control DMX
 - Fácil conexión en serie, hasta 20 m
 - Hasta 500 lm/m
 - Presión sobre la luminaria 30 kN
 - 2 cajas de empotrar: 125 mm and 80 mm



The RGB version is delivered with DMX control.
La versión RGB se suministra con control DMX.

* Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS
CARACTERÍSTICAS

IP66 IP68	IK10	30 kN	 Dimmable	24V DC		AL Housing	PUR resin Cover	HEAT SHOCK tested	Saltwater resistant	Ta min -20°C -4°F Ta max +50°C +122°F	CE
--------------	------	-------	--	-----------	---	---------------	-----------------------	-------------------------	------------------------	--	----

Ground Liner® 1000								
	(with high recessed box)				(with low recessed box)			
Measures	1000 x 130 x 75 mm				1000 x 85 x 75 mm			
Weight	4,5 kg				3,4 kg			
Color temperatures	2800K	4100K	5200K	Amber	Red	Blue	Green	RGB
Power	15,36 W	15,36 W	15,36 W	7,68 W	7,68 W	15,36 W	15,36 W	17,3 W
Nº LEDs	80 LEDs	80 LEDs	80 LEDs	80 LEDs	80 LEDs	80 LEDs	80 LEDs	60 LEDs
Lumens output	450 lm	485 lm	531 lm	255 lm	178 lm	136 lm	251 lm	240 lm
Luminaire efficiency	29 lm/W	32 lm/W	35 lm/W	29 lm/W	23 lm/W	9 lm/W	16 lm/W	14 lm/W
Control type	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	DMX 512-A

Other types on next page >>>
Otros modelos en página siguiente >>>



Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

Chicago Riverwalk,
USA

SPECIFICATIONS CARACTERÍSTICAS

Ground Liner® 750								
	(with high recessed box)				(with low recessed box)			
Measures	750 x 130 x 75 mm				750 x 85 x 75 mm			
Weight	3,37 kg				2,55 kg			
Color temperatures	2800K	4100K	5200K	Amber	Red	Blue	Green	RGB
Power	11,52 W	11,52 W	11,52 W	5,76 W	5,76 W	11,52 W	11,52 W	Not available No disponible
N° LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	60 LEDs	
Lumens output	330 lm	360 lm	395 lm	191 lm	133 lm	102 lm	188 lm	
Luminaire efficiency	28 lm/W	31 lm/W	34 lm/W	33 lm/W	23 lm/W	9 lm/W	16 lm/W	
Control type	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	

Ground Liner® 500								
	(with high recessed box)				(with low recessed box)			
Measures	500 x 130 x 75 mm				500 x 85 x 75 mm			
Weight	2,25 kg				1,65 kg			
Color temperatures	2800K	4100K	5200K	Amber	Red	Blue	Green	RGB
Power	7,68 W	7,68 W	7,68 W	3,84 W	3,84 W	7,68 W	7,68 W	8,7 W
N° LEDs	40 LEDs	40 LEDs	40 LEDs	40 LEDs	40 LEDs	40 LEDs	40 LEDs	30 LEDs
Lumens output	221 lm	241 lm	265 lm	127 lm	89 lm	68 lm	124 lm	120 lm
Luminaire efficiency	29 lm/W	31lm/W	35 lm/W	33 lm/W	23 lm/W	9 lm/W	16 lm/W	14 lm/W
Control type	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	DMX 512-A

Ground Liner® 250								
	(with high recessed box)				(with low recessed box)			
Measures	250 x 130 x 75 mm				250 x 85 x 75 mm			
Weight	1,19 kg				0,82 kg			
Color temperatures	2800K	4100K	5200K	Amber	Red	Blue	Green	RGB
Power	3,84 W	3,84 W	3,84 W	1,92 W	1,92 W	3,84 W	3,84 W	Not available No disponible
N° LEDs	20 LEDs	20 LEDs	20 LEDs	20 LEDs	20 LEDs	20 LEDs	20 LEDs	
Lumens output	108 lm	119 lm	131 lm	63 lm	44 lm	33 lm	61 lm	
Luminaire efficiency	28 lm/W	31 lm/W	34 lm/W	33 lm/W	23 lm/W	9 lm/W	16 lm/W	
Control type	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	Dim.	



Bolívar Square,
Maracay, Venezuela

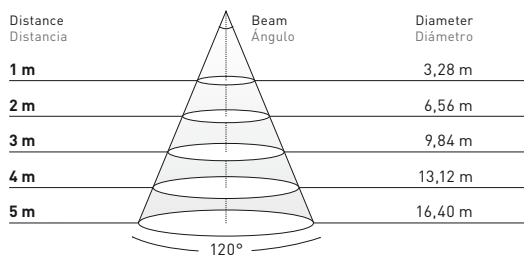
Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

Ground Liner® 1000

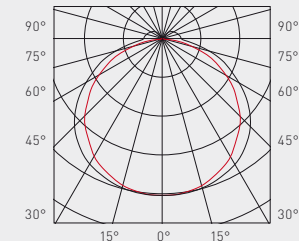
80 LEDs **120°**



2800K
WARM WHITE BLANCO CÁLIDO
122 lux
30 lux
14 lux
8 lux
5 lux

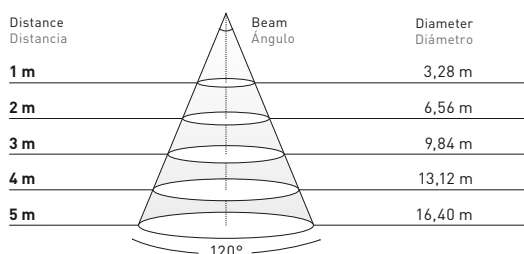
4100K
NEUTRAL WHITE BLANCO NEUTRO
131 lux
33 lux
15 lux
8 lux
5 lux

5200K
COOL WHITE BLANCO FRÍO
147 lux
37 lux
16 lux
9 lux
6 lux



Ground Liner® 750

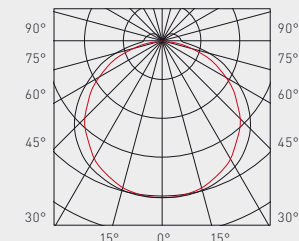
60 LEDs **120°**



2800K
WARM WHITE BLANCO CÁLIDO
89 lux
22 lux
10 lux
6 lux
4 lux

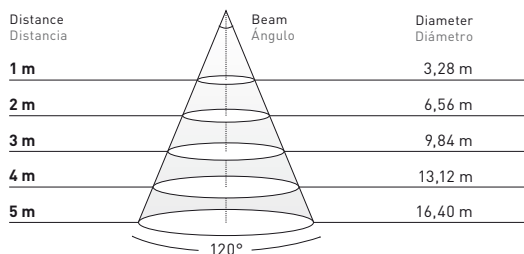
4100K
NEUTRAL WHITE BLANCO NEUTRO
97 lux
24 lux
11 lux
6 lux
4 lux

5200K
COOL WHITE BLANCO FRÍO
110 lux
27 lux
12 lux
7 lux
4 lux



Ground Liner® 500

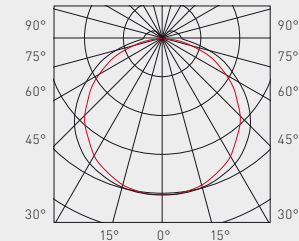
40 LEDs **120°**



2800K
WARM WHITE BLANCO CÁLIDO
60 lux
15 lux
7 lux
4 lux
2 lux

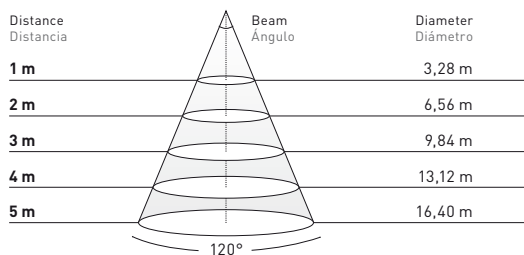
4100K
NEUTRAL WHITE BLANCO NEUTRO
65 lux
16 lux
7 lux
4 lux
3 lux

5200K
COOL WHITE BLANCO FRÍO
74 lux
18 lux
8 lux
5 lux
3 lux



Ground Liner® 250

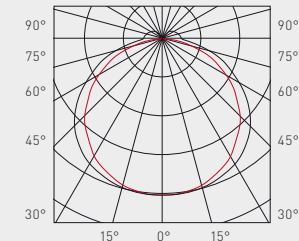
20 LEDs **120°**



2800K
WARM WHITE BLANCO CÁLIDO
29 lux
7 lux
3 lux
2 lux
1 lux

4100K
NEUTRAL WHITE BLANCO NEUTRO
32 lux
8 lux
4 lux
2 lux
1 lux

5200K
COOL WHITE BLANCO FRÍO
36 lux
9 lux
4 lux
2 lux
1 lux

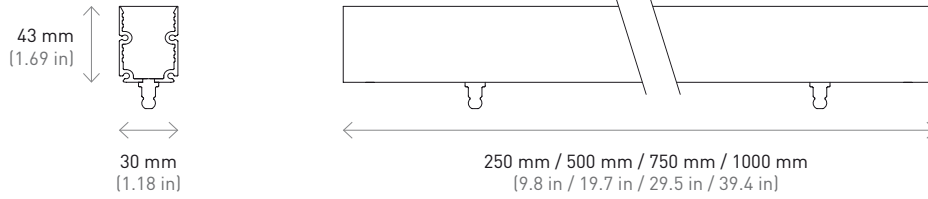


Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

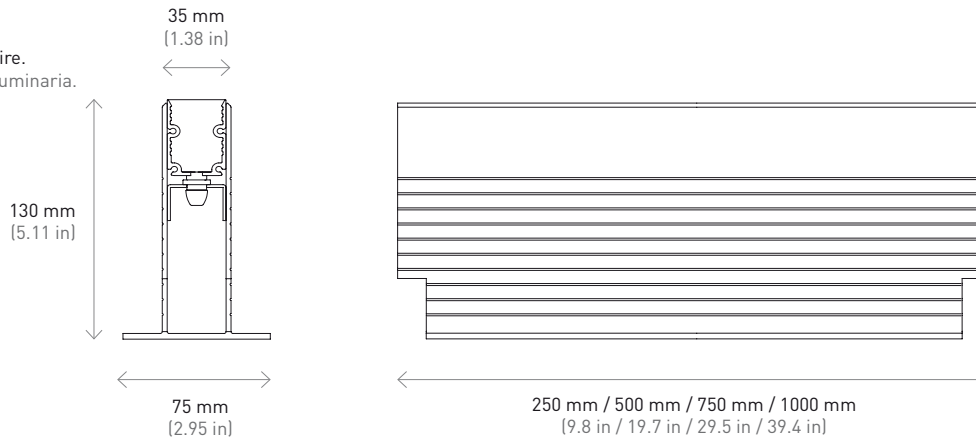
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

MEASURES MEDIDAS

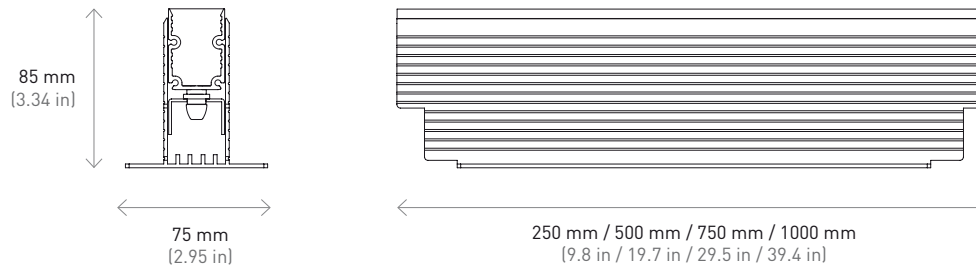
Ground Liner®
Luminaire.
Luminaria.



Ground Liner®
High recessed box+luminaire.
Cajetín de empotrar alto+luminaria.



Ground Liner®
Low recessed box+luminaire.
Cajetín de empotrar bajo+luminaria.



Polyethylene foam protects the recessed box of concrete dilatations.
Easy Plug&Play system for a fast installation in the recessed box.

La junta de polietileno absorbe las dilataciones del hormigón.
Unión rápida que permite montar con facilidad la luminaria en la caja de empotrar.

DETAILS
DETALLES



High recessed box (125 mm).
Cajetín de empotrar alto (125 mm).



Low recessed box (80 mm).
Cajetín de empotrar bajo (80 mm).



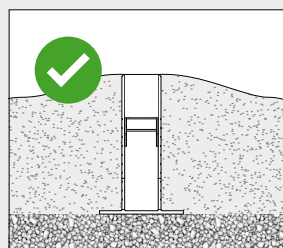
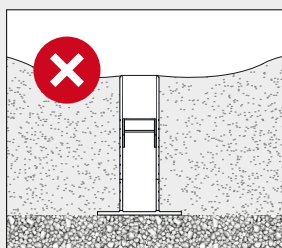
Monocolour IP66 connector for high recessed box.
Conector IP66 monocolour para cajetín de empotrar alto.



RGB and monocolour IP67 connector for low recessed box.
Conector IP67 RGB y monocolour para cajetín de empotrar bajo.



RGB IP68 connector for high recessed box.
Conector RGB IP68 para cajetín de empotrar alto.

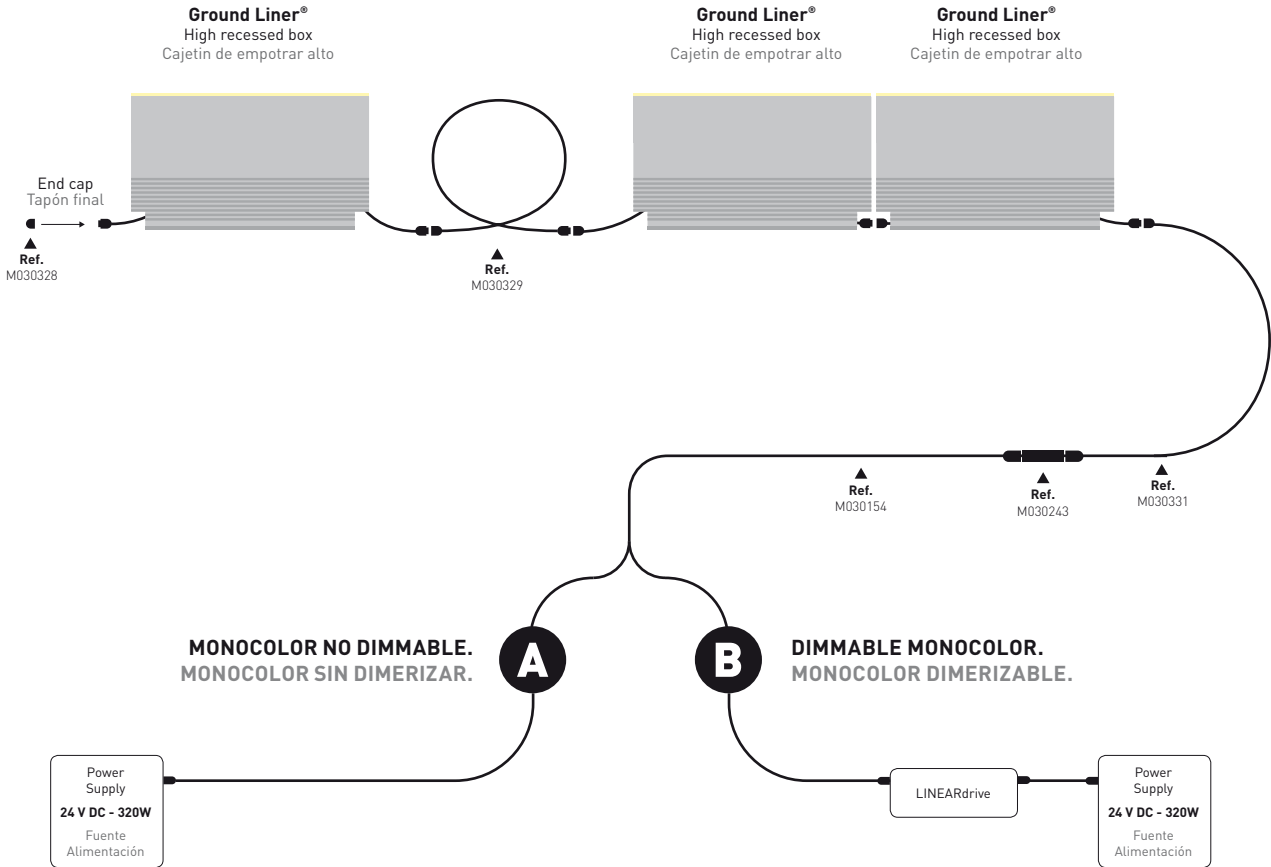


Temporarily
immersion
protection

A crushed stone surrounding the recessed box is recommended for a correct drainage. Avoid its placing in ground depression.
Incorrect drainage, may cause the loss of warranty.

Para un drenaje correcto se recomienda una capa de grava alrededor de la caja de empotramiento. Evite su colocación en depresiones del terreno.
Un drenaje incorrecto puede significar la pérdida de garantía.

MONOCOLOR CONNECTIONS WITH HIGH RECESSED BOX
CONEXIONES MONOCOLOR CON CAJETIN DE EMPOTRAR ALTO



A

MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

15,36 W/m



Maximum 20 Ground Liner® of 1 m connected with PSU 24 V DC - 320W.
 Maximum 5 m from power supply to first Ground Liner®.

Máximo 20 Ground Liner® de 1 m con fuente de alimentación
 24 V DC - 320W.
 Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

7,68 W/m



Maximum 32 Ground Liner® of 1 m connected with PSU 24 V DC - 320W.
 Maximum 5 m from power supply to first Ground Liner®.

Máximo 32 Ground Liner® de 1 m con fuente de alimentación
 24 V DC - 320W.
 Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

B

DIMMABLE WITH LINEARdrive 720
DIMERIZABLE CON LINEARdrive 720

15,36 W/m



Maximum 20 Ground Liner® of 1 m connected with LINEARdrive 720
 (PSU 24 V DC - 320W).
 Maximum 5 m from power supply to first Ground Liner®.

Máximo 20 Ground Liner® de 1 m conectados al LINEARdrive 720
 (fuente de alimentación 24 V DC - 320W).
 Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

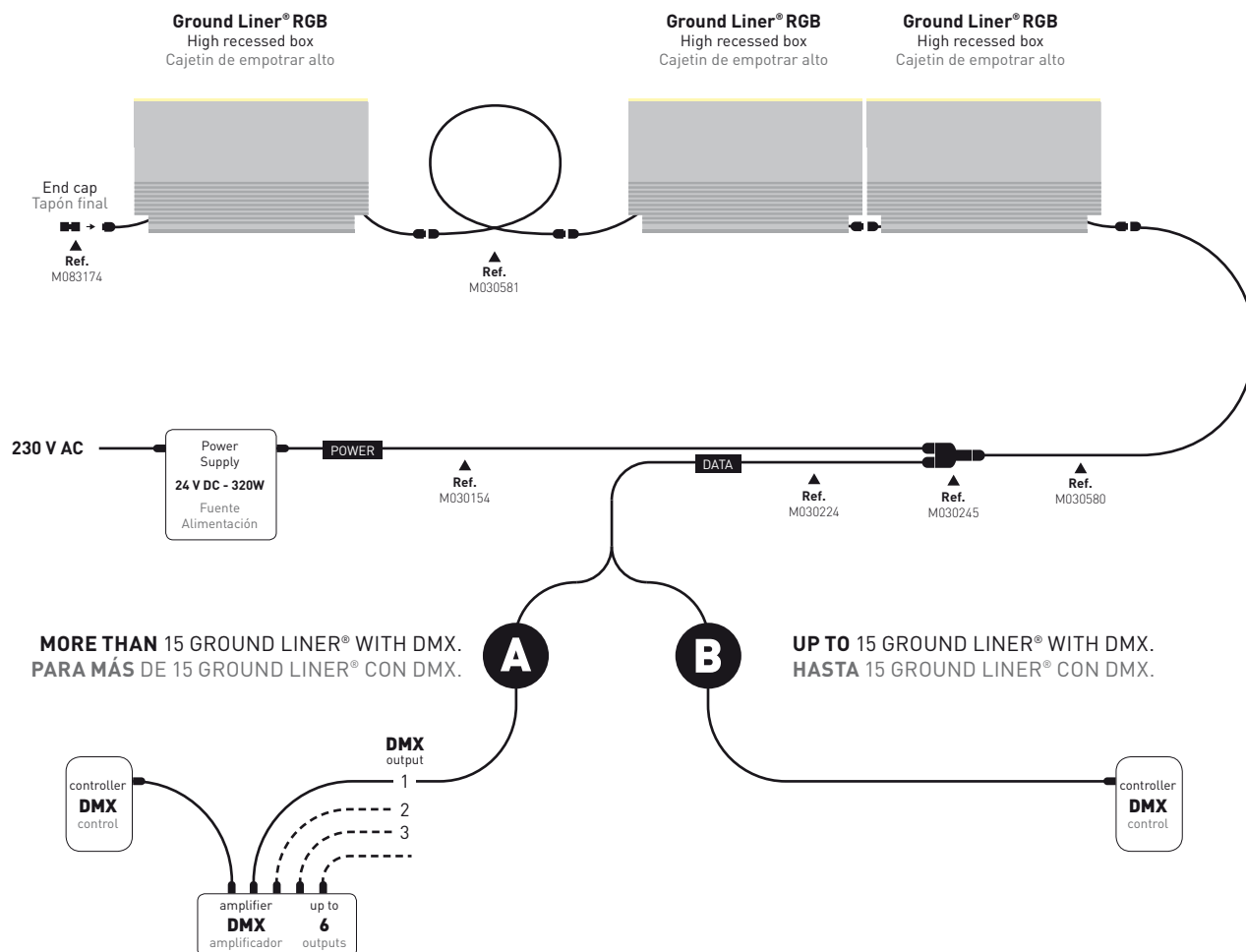
7,68 W/m



Maximum 32 Ground Liner® of 1 m connected with LINEARdrive 720
 (PSU 24 V DC - 320W).
 Maximum 5 m from power supply to first Ground Liner®.

Máximo 32 Ground Liner® de 1 m conectados al LINEARdrive 720
 (fuente de alimentación 24 V DC - 320W).
 Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

RGB CONNECTIONS WITH HIGH RECESSED BOX
CONEXIONES RGB CON CAJETIN DE EMPOTRAR ALTO



A

MORE THAN 15 GROUND LINER® RGB WITH DMX 512-A.
PARA MÁS DE 15 GROUND LINER® RGB CON DMX 512-A.

Maximum 15 Ground Liner® RGB per DMX output.
 Maximum 100 meters from controller to the amplifier.
 Maximum 100 meters from amplifier to last Ground Liner® RGB.

Máximo 15 Ground Liner® RGB por salida DMX.
 Máximo 100 metros del controlador al amplificador.
 Máximo 100 metros del amplificador al último Ground Liner® RGB.

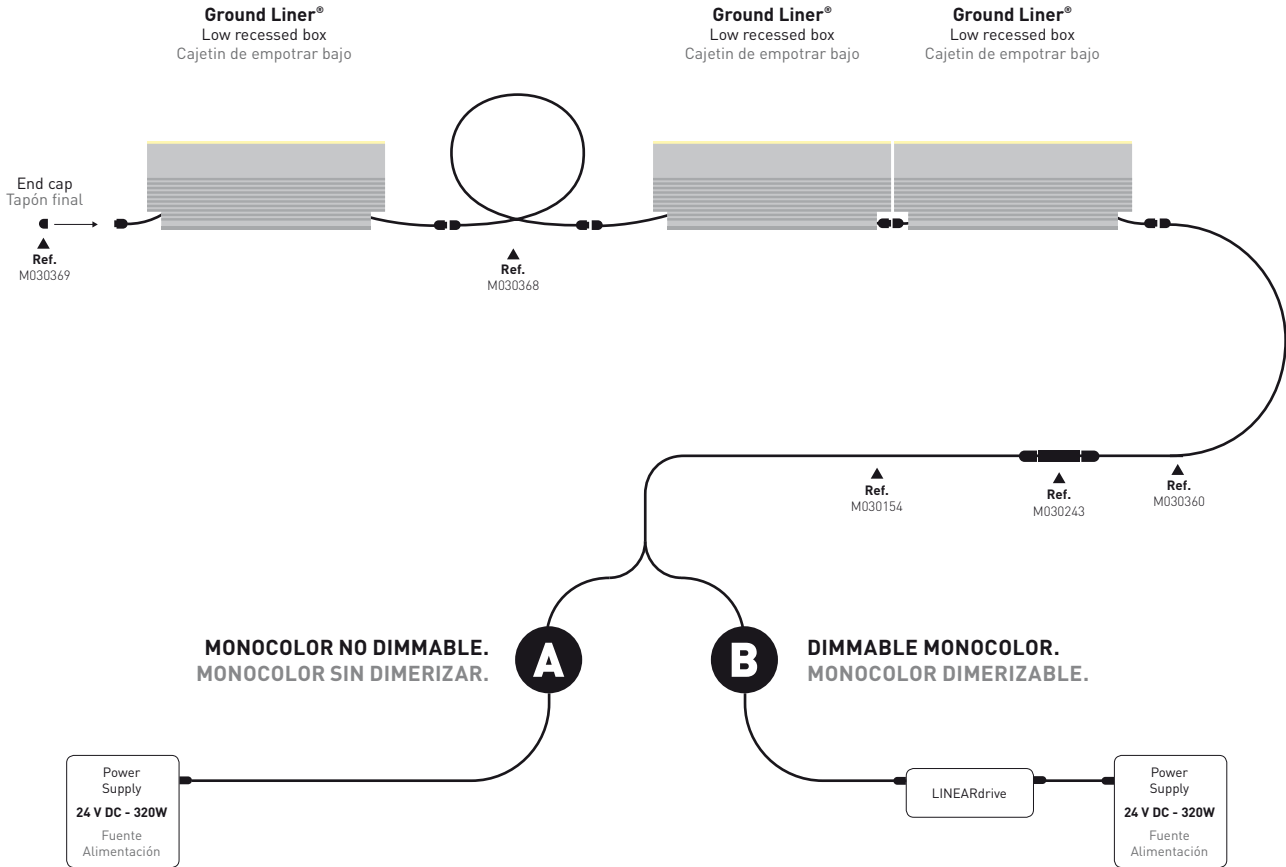
B

UP TO 15 GROUND LINER® RGB WITH DMX 512-A.
HASTA 15 GROUND LINER® RGB CON DMX 512-A.

Maximum 15 Ground Liner® RGB per DMX controller.
 Maximum 100 meters from controller to last Ground Liner® RGB.

Máximo 15 Ground Liner® RGB por controlador DMX.
 Máximo 100 metros del controlador al último Ground Liner® RGB.

MONOCOLOR CONNECTIONS WITH LOW RECESSED BOX CONEXIONES MONOCOLOR CON CAJETIN DE EMPOTRAR BAJO



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

15,36 W/m ○○○●●●

Maximum 6 Ground Liner® of 1 m connected per line
Maximum 3 lines in parallel connection (Ground Liner®) connected to PSU 24 V DC - 320W.
Maximum 5 m from power supply to first Ground Liner®.

Máximo 6 Ground Liner® de 1 m por línea.
Máximo 3 líneas en paralelo Ground Liner® conectadas a fuente de alimentación de 24 V DC - 320W.
Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

7,68 W/m ●●

Maximum 12 Ground Liner® of 1 m connected per line
Maximum 3 lines in parallel connection (Ground Liner®) connected to PSU 24 V DC - 320W.
Maximum 5 m from power supply to first Ground Liner®.

Máximo 12 Ground Liner® de 1 m por línea.
Máximo 3 líneas en paralelo Ground Liner® conectadas a fuente de alimentación de 24 V DC - 320W.
Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

B

DIMMABLE WITH LINEARdrive 720 DIMERIZABLE CON LINEARdrive 720

15,36 W/m ○○○●●●

Maximum 6 Ground Liner® of 1 m connected per line
Maximum 3 lines in parallel connection (Ground Liner®) connected with LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from power supply to first Ground Liner®.

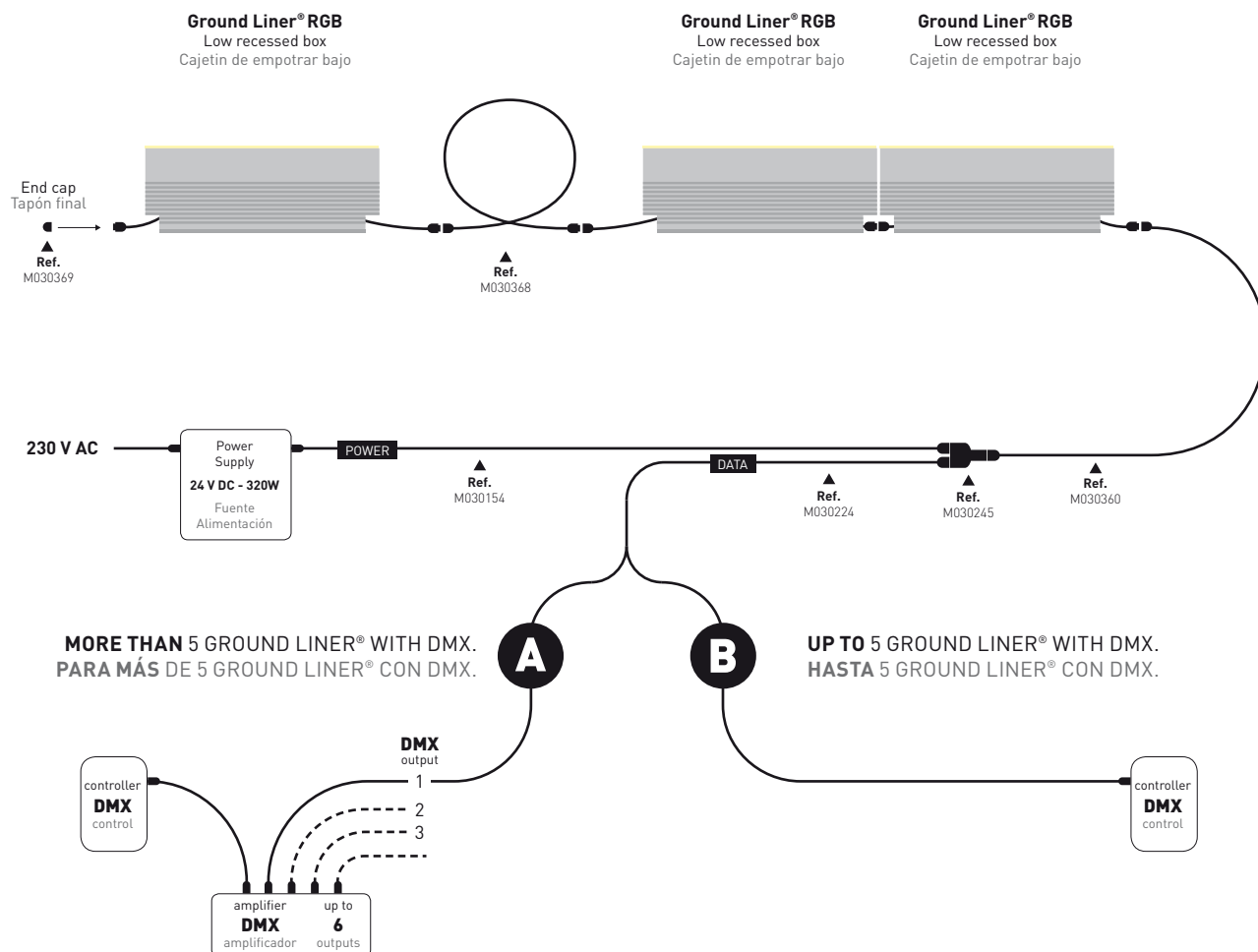
Máximo 6 Ground Liner® de 1 m por línea.
Máximo 3 líneas en paralelo Ground Liner® conectados al LINEARdrive 720 (fuente de alimentación 24 V DC - 320W).
Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

7,68 W/m ●●

Maximum 12 Ground Liner® of 1 m connected per line
Maximum 3 lines in parallel connection (Ground Liner®) connected with LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from power supply to first Ground Liner®.

Máximo 12 Ground Liner® de 1 m por línea.
Máximo 3 líneas en paralelo Ground Liner® conectados al LINEARdrive 720 (fuente de alimentación 24 V DC - 320W).
Máximo 5 m de la fuente de alimentación al primer Ground Liner®.

RGB CONNECTIONS WITH LOW RECESSED BOX
CONEXIONES RGB CON CAJETIN DE EMPOTRAR BAJO



MORE THAN 5 GROUND LINER® WITH DMX.
PARA MÁS DE 5 GROUND LINER® CON DMX.

UP TO 5 GROUND LINER® WITH DMX.
HASTA 5 GROUND LINER® CON DMX.

A

MORE THAN 5 GROUND LINER® RGB WITH DMX.
PARA MÁS DE 5 GROUND LINER® RGB CON DMX.

Maximum 5 Ground Liner® RGB per DMX output.
 Maximum 100 meters from controller to the amplifier.
 Maximum 100 meters from amplifier to last Ground Liner® RGB.

Máximo 5 Ground Liner® RGB por salida DMX.
 Máximo 100 metros del controlador al amplificador.
 Máximo 100 metros del amplificador al último Ground Liner® RGB.

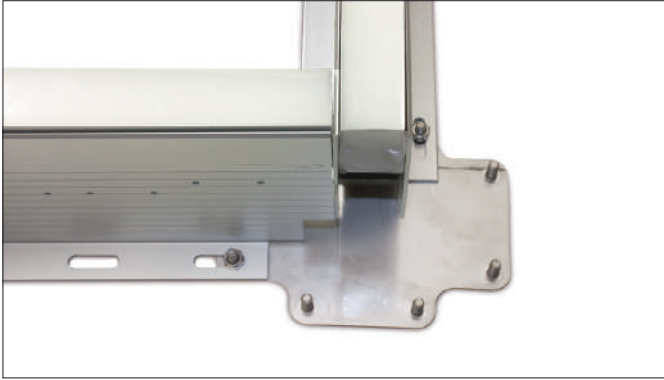
B

UP TO 5 GROUND LINER® RGB WITH DMX.
HASTA 5 GROUND LINER® RGB CON DMX.

Maximum 5 Ground Liner® RGB per DMX controller.
 Maximum 100 meters from controller to last Ground Liner® RGB.

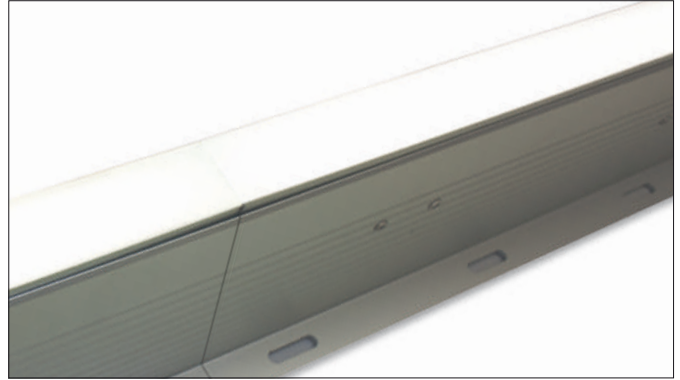
Máximo 5 Ground Liner® RGB por controlador DMX.
 Máximo 100 metros del controlador al último Ground Liner® RGB.

DETAILS DETALLES



The fixation kit "ILX" allows the installation of several Ground Liner® creating a continuous light effect.

El kit de unión "ILX" permite la instalación de varios Ground Liner® creando efectos de luz continua.



The fully resined fixture offers a protection class IP 66/68, an impact resistance IK10 and supports a pressure on the fixture of 30kN. To be walked on and drive on. Not allowed for motorways.

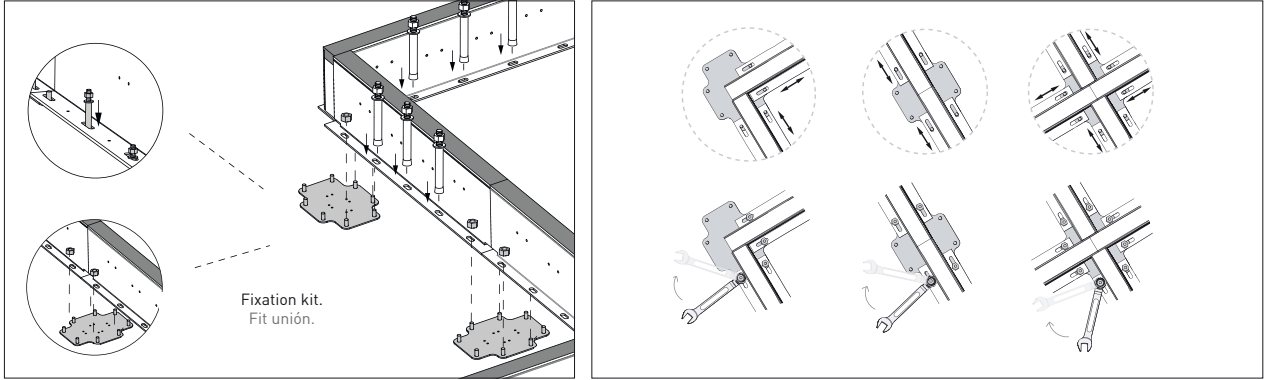
Luminaria completamente resinada, que ofrece un grado de protección IP66/68, un grado de impacto IK10 y soporta una presión sobre la luminaria de 30kN. Pisable y transitable. No apto para vías rápidas.



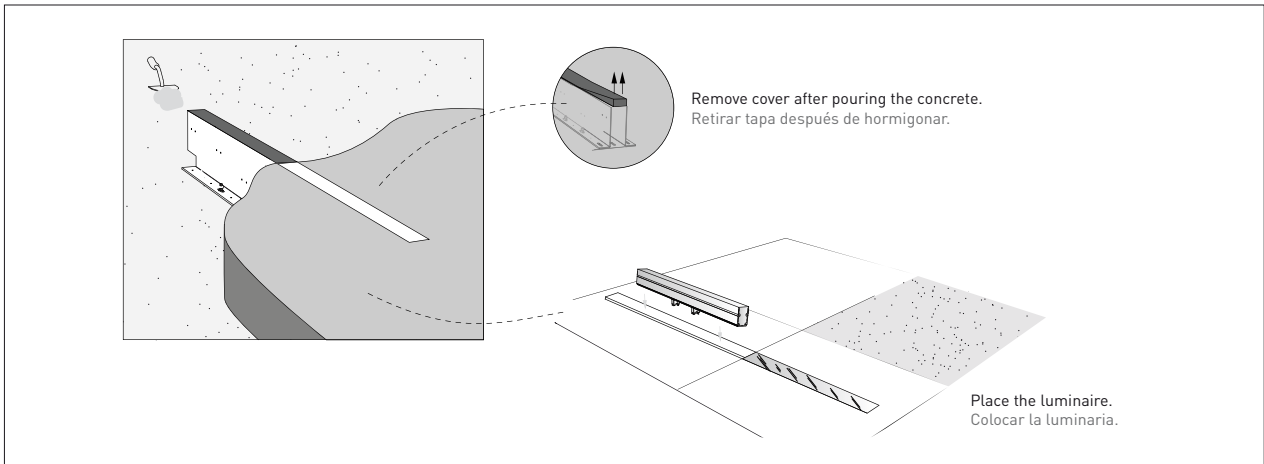
San Andrés Square,
Talavera de la Reina, SPAIN.

INSTALLATION
INSTALACIÓN

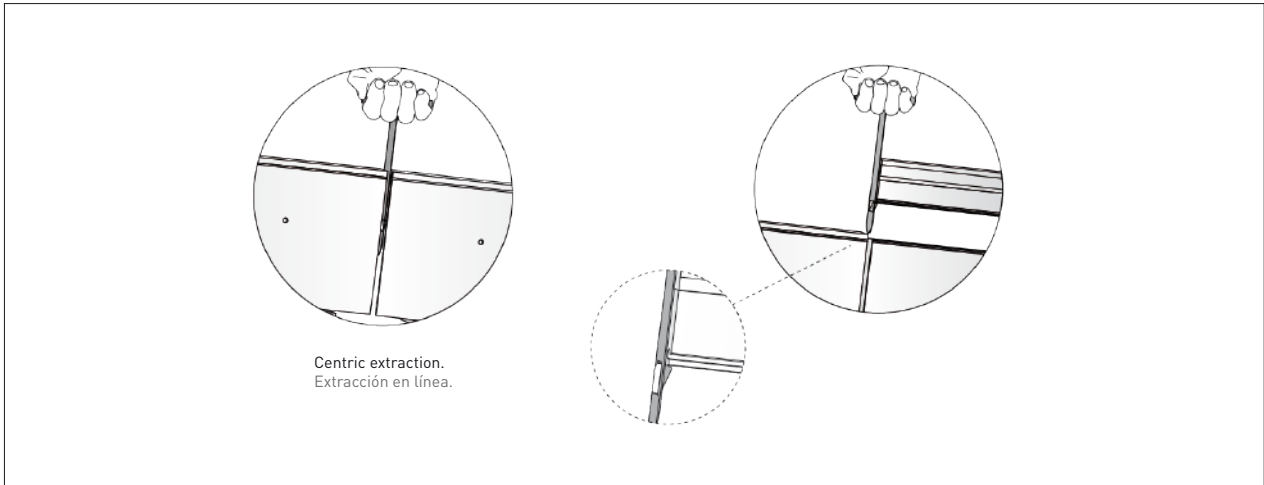
1 Recessed box installation.
Instalación cajetín.



2 Concrete.
Hormigonado.



3 Extraction tool.
Útil de extracción.



REFERENCES REFERENCIAS

71011 X X /XX/XXX

COLOR COLOR

/80/2K8 2800K
 /80/4K1 4100K
 /80/5K2 5200K
 /03 Red Rojo
 /04 Amber Ambar
 /08 Green Verde
 /09 Blue Azul
 /11 RGB *

LENGTH LONGITUD

1 1000 mm
 2 750 mm
 3 500 mm
 4 250 mm**

RECESSED BOX HEIGHT ALTURA DEL CAJETIN

0 (125 mm) High Alto
 1 (80 mm) Low Bajo

* Only available in 1000 mm and 500 mm.
 Sólo disponible en 1000 mm y 500 mm.

** Only suitable for end of the line.
 Sólo para final de línea.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



	For high recessed box (monocolor)	Para cajetín de empotrar alto (monocolor)	
M030331	1 m power cable	Cable alimentación 1 m	1
M030329	1 m extension cable	Cable extensión 1 m	2
M030328	End cap	Tapón final	
	For high recessed box (RGB)	Para cajetín de empotrar alto (RGB)	
M030580	2 m power cable (5 poles-female)	Cable alimentación 2 m (5 polos-hembra)	3
M030581	1 m extension cable (5 poles)	Cable extensión 1 m (5 polos)	4
M083174	120 OHM end cap (5 poles-male) DMX	Tapón final 120 OHM (5 polos-macho) DMX	
	For low recessed box (monocolor / RGB)	Para cajetín de empotrar bajo (monocolor / RGB)	
M030360	Power cable 70 cm	Cable alimentación 70 cm	5
M030368	Extension cable 1 m	Cable extensión 1 m	6
M030369	End cap	Tapón final	
	For installation.	Para instalación.	
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	7
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	8
M030154	3 x 1,5 mm ² H07RN-F cable (m)	Cable 3 x 1,5 mm ² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
7150203	DMX Addresser Setup	DMX Addresser Setup	

RECESSED BOX
CAJETÍN DE EMPOTRAR



High recessed box (125 mm).
Cajetín de empotrar alto (125 mm).



Low recessed box (80 mm).
Cajetín de empotrar bajo (80 mm).

REFERENCES
REFERENCIAS



7101191/C12	High recessed box (125 mm). L.1000 mm	Cajetín de empotrar alto (125 mm). L.1000 mm	1
7101192/C12	High recessed box (125 mm). L.750 mm	Cajetín de empotrar alto (125 mm). L.750 mm	
7101193/C12	High recessed box (125 mm). L.500 mm	Cajetín de empotrar alto (125 mm). L.500 mm	
7101194/C12	High recessed box (125 mm). L.250 mm	Cajetín de empotrar alto (125 mm). L.250 mm	
7101171/C12	Low recessed box (80 mm). L.1000 mm	Cajetín de empotrar bajo (80 mm). L.1000 mm	2
7101172/C12	Low recessed box (80 mm). L.750 mm	Cajetín de empotrar bajo (80 mm). L.750 mm	
7101173/C12	Low recessed box (80 mm). L.500 mm	Cajetín de empotrar bajo (80 mm). L.500 mm	
7101174/C12	Low recessed box (80 mm). L.250 mm	Cajetín de empotrar bajo (80 mm). L.250 mm	
7101195	Fixation kit "ILX"	Kit unión "ILX"	3
7101196	Centric extraction tool	Útil extracción en línea	4

Private residential,
Granada, Spain





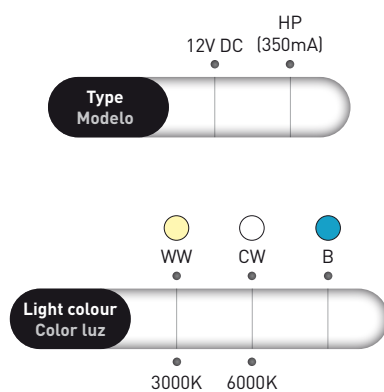
PLOT GLOW®



PLOT GLOW®

12 V & HP (350 mA)

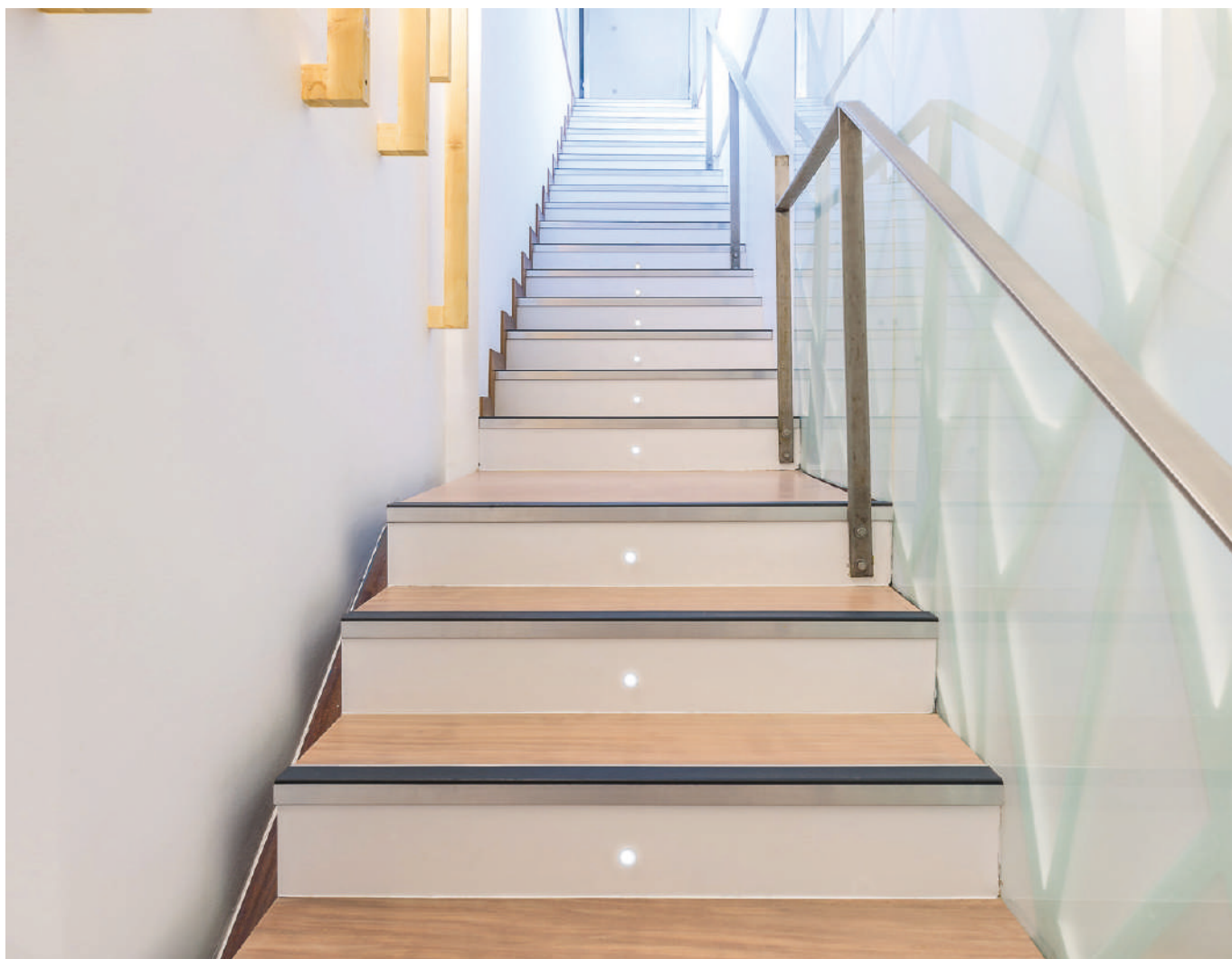
- Guide lighting
- Opal or clear diffuser
- Small dimensions
- Small recessed dimension
- Luz para guiar
- Difusor opal o transparente
- Dimensiones reducidas
- Reducida cota de empotramiento



SPECIFICATIONS
CARACTERÍSTICAS

12V DC	350mA	IK10	IP65		AL Housing	PC Cover	Ta min -20°C -4°F Ta max +50°C +122°F	
--------	-------	------	------	---	------------	----------	--	---

Plot Glow®			
Measures	Ø27,5 x 35 mm		
Weight	17 gr.		
PLOT GLOW 12V DC (Opal lens)			
Power	0,24 W		
Color temperatures	3000K	6000K	Blue
Lumens output	7 lm	10 lm	2 lm
Luminaire efficiency	30 lm/W	42 lm/W	8 lm/W
PLOT GLOW HP - 350 mA (Opal lens)			
Power	1 W		
Color temperatures	3000K	6000K	Blue
Lumens output	32 lm	40 lm	10 lm
Luminaire efficiency	32 lm/W	40 lm/W	10 lm/W
PLOT GLOW HP - 350 mA (Clear lens - 15°)			
Power	1 W		
Color temperatures	3000K	6000K	Blue
Lumens output	55 lm	69 lm	17 lm
Luminaire efficiency	55 lm/W	69 lm/W	17 lm/W

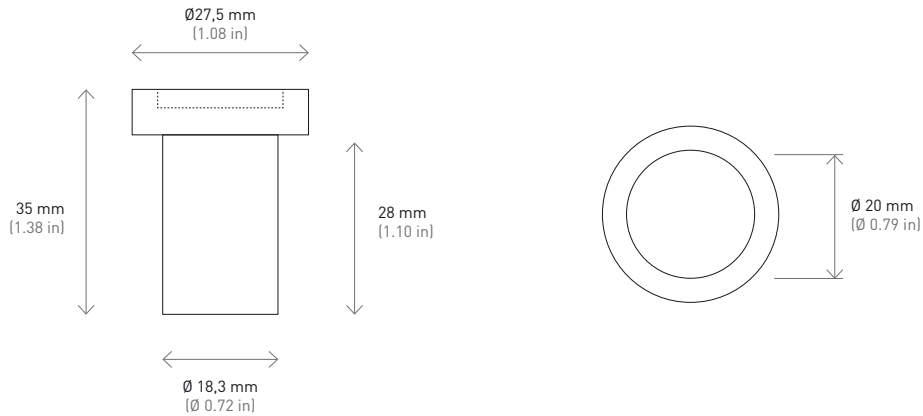


Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

Kaskazuri restaurant,
San Sebastián, Spain

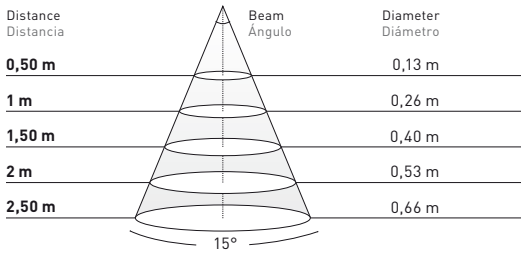
MEASURES MEDIDAS



LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

PLOT GLOW® HP

15°



3000K

WARM WHITE
BLANCO CÁLIDO

1422 lux

355 lux

158 lux

89 lux

57 lux

6000K

COLD WHITE
BLANCO FRÍO

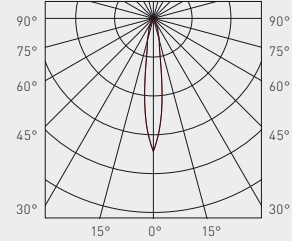
1777 lux

444 lux

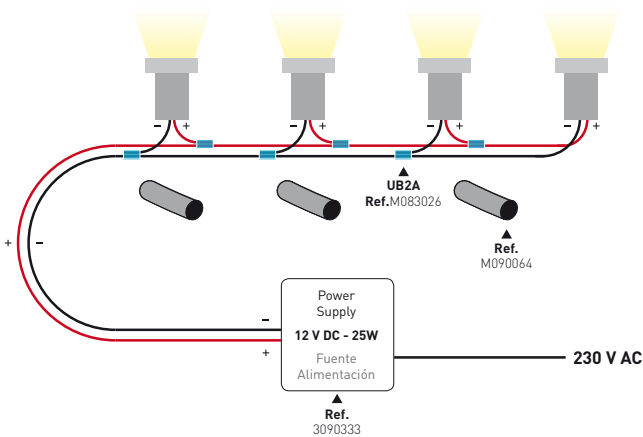
197 lux

111 lux

71 lux

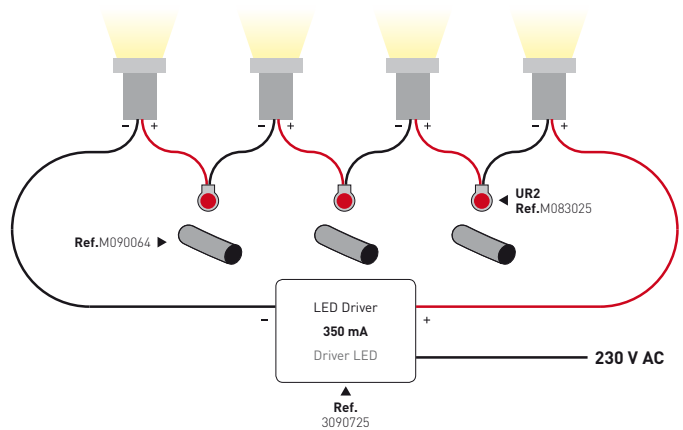


12 V CONNECTIONS CONEXIONES 12 V



Maximum 100 Plot Glow® in parallel with 25W transformer.
Máximo 100 Plot Glow® en paralelo con transformador de 25 W.

HP CONNECTIONS (350mA) CONEXIONES HP (350mA)



From 4 to 10 Plot Glow® in series with LED Driver 350 mA.
De 4 a 10 Plot Glow® en serie con Driver LED de 350 mA.

**REFERENCES
REFERENCIAS**

Plot Glow 12 V	Cool White	Blanco frío	6000K	Opal lens Lente opal		7120220/70/6K
	Warm white	Blanco cálido	3000K			7120220/70/3K
	Blue	Azul	-			7120220/09
Plot Glow HP 350 mA	Cool White	Blanco frío	6000K	Opal lens Lente opal		7120221/70/6K
	Warm white	Blanco cálido	3000K			7120221/70/3K
	Blue	Azul	-			7120221/09
Plot Glow HP 350 mA	Cool White	Blanco frío	6000K	Clear lens Lente transparente	15° beam Ángulo 15°	7120225/70/6K
	Warm white	Blanco cálido	3000K			7120225/ 70/3K

**ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS**



M083025	UR2 3M end piece connector	Conector - Terminal UR2 3M	1
M083026	UB2A 3M connector	Conector UB2A 3M	2
M090064	Heat shrinkable tube with resine	Tubo termoretráctil con resina	3
3090333	Power Supply 12 V DC 25W	Fuente alimentación 12 V DC 25 W	4
3091007	On/Off Driver 350mA (3,5 W to 15 W)	Driver 350mA On/Off (3,5 W hasta 15 W)	5

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Chicago Riverwalk,
USA





HANDRAIL DOT®



HANDRAIL DOT®

- Dot designed to be integrated in new or retrofitted handrails
- Suitable for outdoor: IP66, IK10, and anti-vandalism
- Flat and curved types
- 3 beam angles: 60°, 120° and 90° (asymmetric)
- Luminous efficiency: 100 lm/W
- 316 stainless steel unibody dot
- Polycarbonate lens
- Accessories: Installation tool and M16 Drill jig equipment
- Dot diseñado para integrarse en barandillas y pasamanos nuevos o existentes
- Apto para exteriores: IP66, IK10 y antivandálico
- Modelos planos y curvados
- 3 ángulos de apertura: 60°, 120° y 90° (asimétrico)
- Eficiencia luminosa: 100 lm/W
- Dot monobloque acero inox 316
- Lente de policarbonato
- Accesorios: Herramienta instalación y Kit plantilla mecanizado M16



Flat - 120°



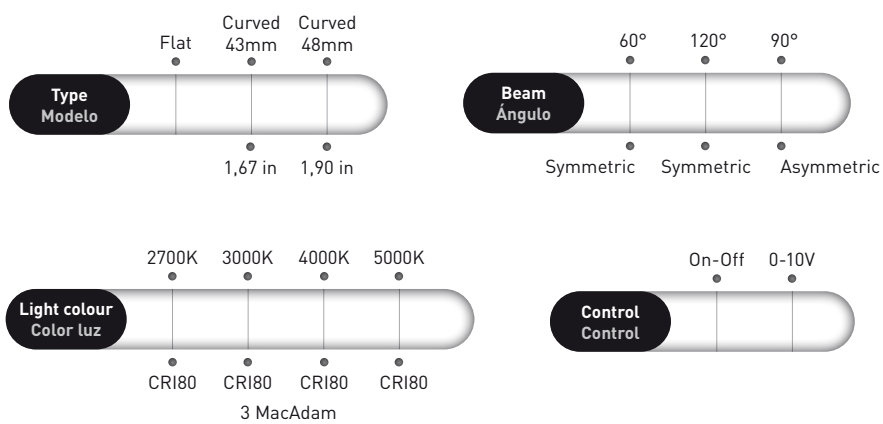
Flat - 60°



Flat - Asym.



Curved - 60°



Minimum wall thickness 1,5mm.
Grosor mínimo de la barandilla 1,5mm.

Suitable for handrails with diameter Ø43 and Ø48 mm.
Apto para barandillas de diámetro 43 y 48mm.

SPECIFICATIONS
CARACTERÍSTICAS

IP66	IK10		on/off	0-10V	INOX 316 Housing	PC Lens	Ta min -20°C -4°F Ta max +50°C +122°F	
------	------	---	--------	-------	------------------------	------------	--	---

Dot Handrail® Flat & Curved				
Power	1,5 W (500mA)			
Color temperatures	2700K	3000K	4000K	5000K
Lumens output	60° - 114 lm 120° - 120 lm 90°(asymmetric) - 108 lm	60° - 120 lm 120° - 126 lm 90°(asymmetric) - 114 lm	60° - 136 lm 120° - 143 lm 90°(asymmetric) - 129 lm	60° - 136 lm 120° - 143 lm 90°(asymmetric) - 129 lm
Luminaire efficiency	72 to 80 lm/W	76 to 84 lm/W	86 to 96 lm/W	86 to 96 lm/W
Measures / Weight	Ø14,7 x 15 mm / 0,1 kg			



Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

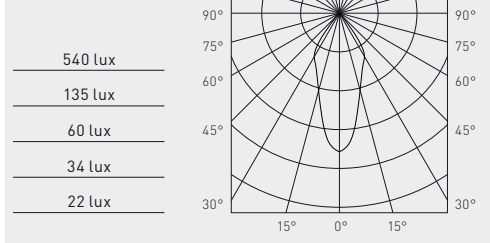
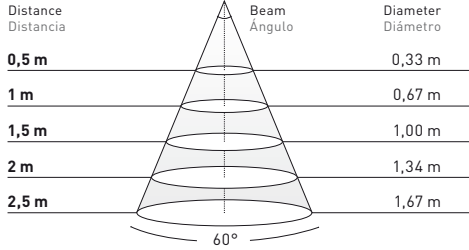
Basilica de la Sagrada Familia,
Barcelona, SPAIN

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Handrail Dot®

60°

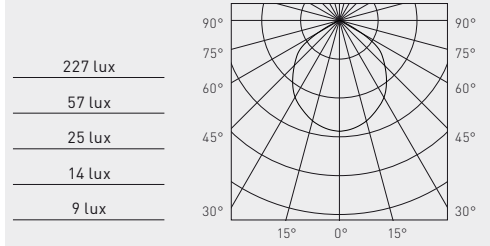
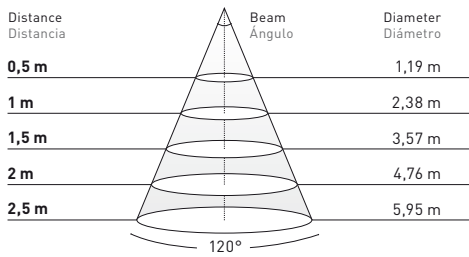
3000K



Handrail Dot®

120°

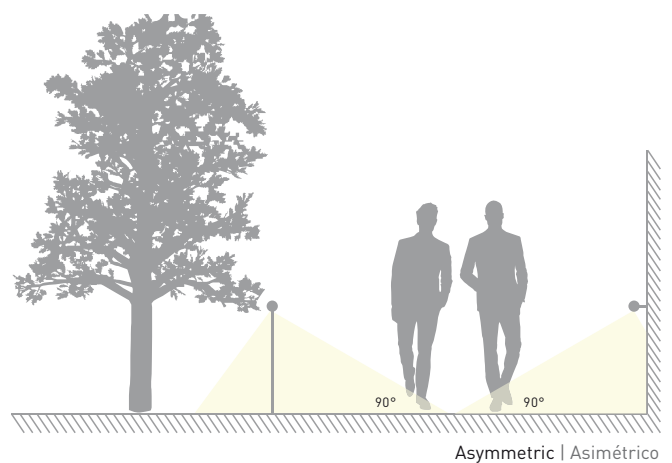
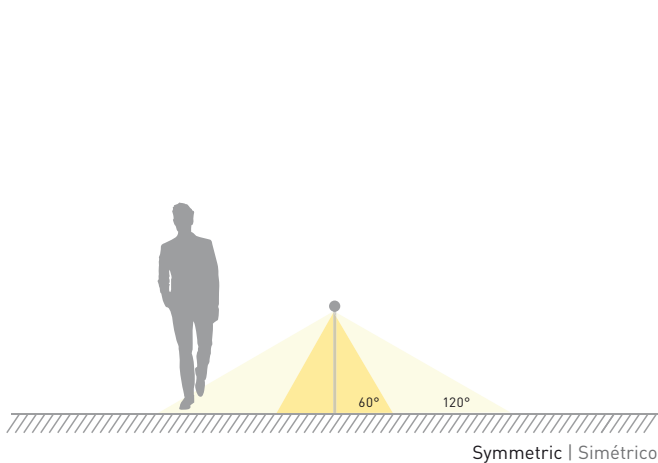
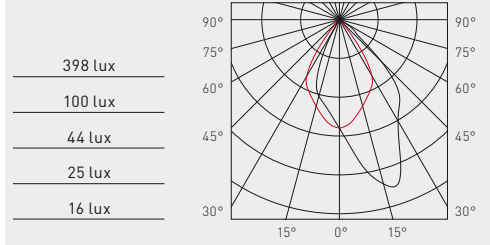
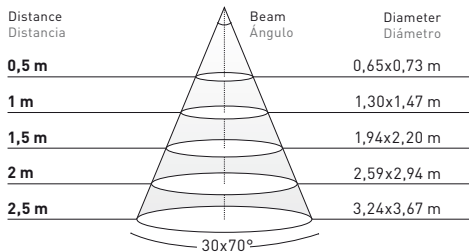
3000K



Handrail Dot® Asym.

90°

5000K

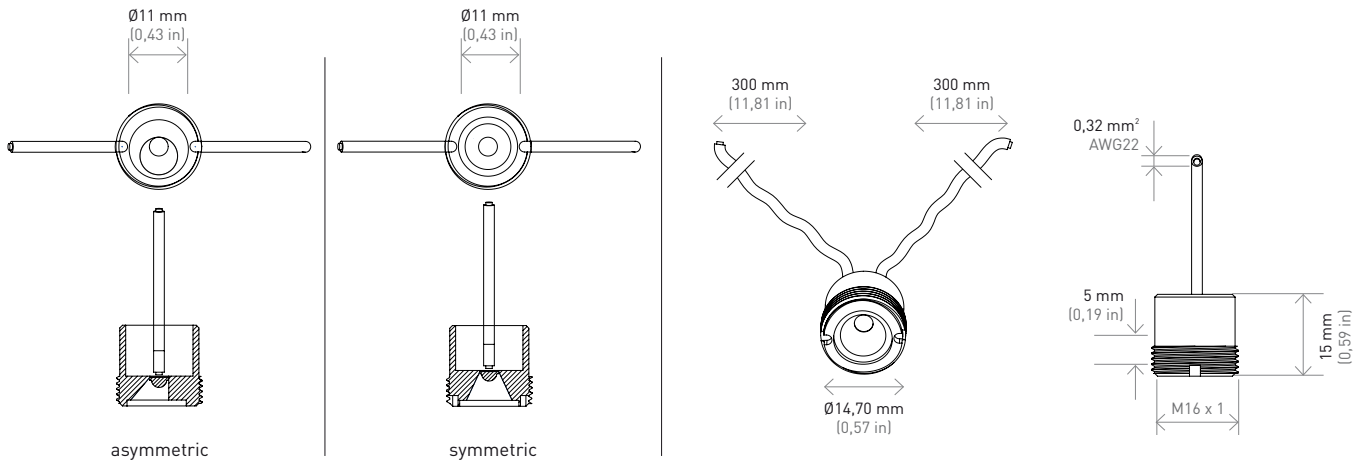


Data calculated with **Handrail Dot®**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

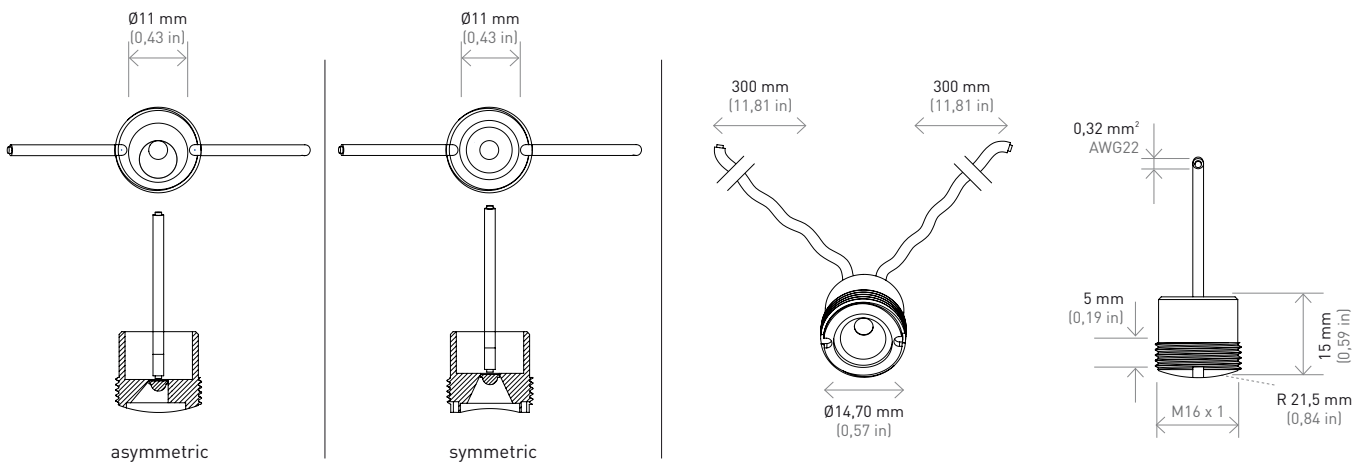
Datos calculados con **Handrail Dot®**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

**MEASURES
MEDIDAS**

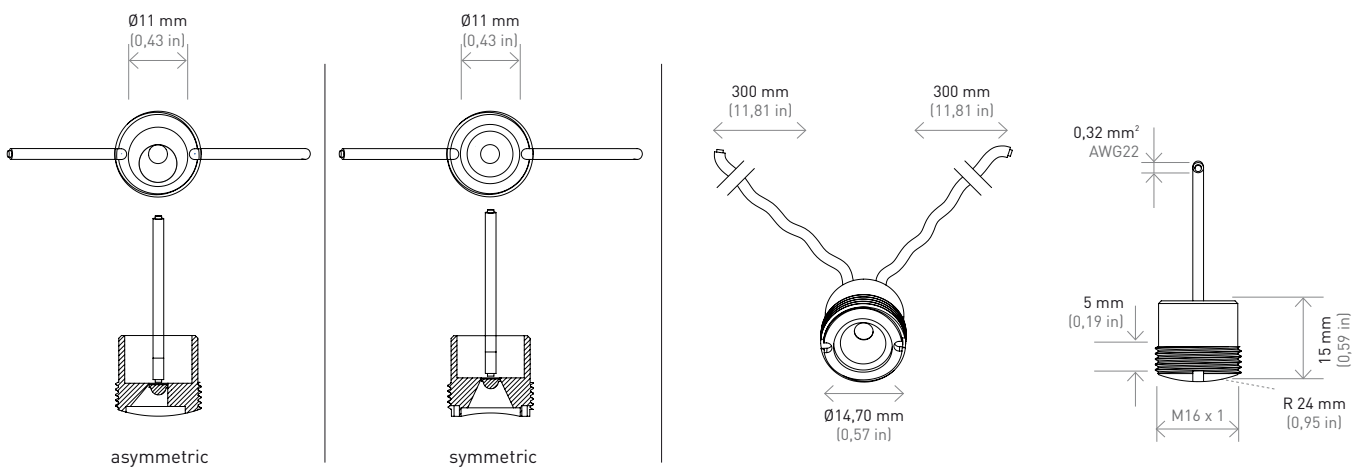
Handrail Dot® Flat



Handrail Dot® Curved 43mm / 1,67 in



Handrail Dot® Curved 48mm / 1,90 in



FINISHES ACABADOS

In order to satisfy all our customers we offer flat and curved types (suitable for handrails with diameter $\varnothing 43$ and $\varnothing 48$ mm).

Con el fin de satisfacer las necesidades de nuestros clientes, están disponibles modelos planos y curvados (aptos para barandillas de diámetro 43 y 48mm).



Symmetric 60° flat model
Modelo plano simétrico 60°



Symmetric 120° flat model
Modelo plano simétrico 120°



Asymmetric 90° flat model
Modelo plano asimétrico 90°

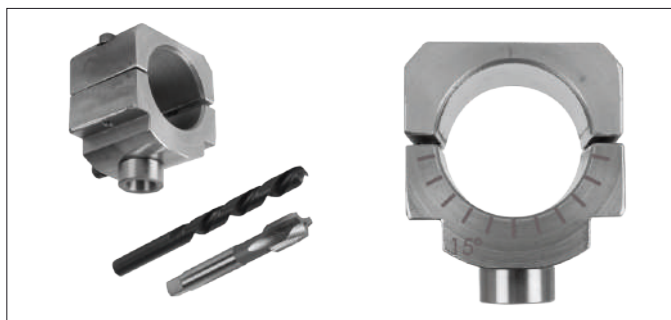


Symmetric 120° 48 mm curved model
Modelo curvado simétrico 120° 48 mm

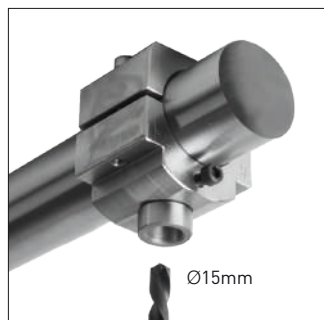


Chicago Riverwalk,
USA

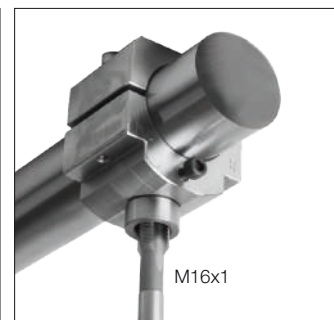
DETAILS
DETALLES



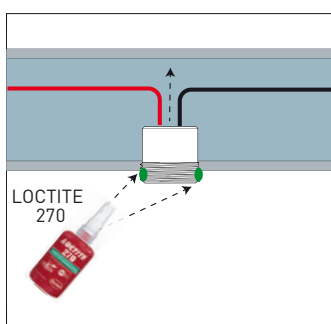
Kit for machining M16x1mm handrail (ref. 7015091)
Kit para mecanizar M16 x1mm handrail (ref. 7015091)



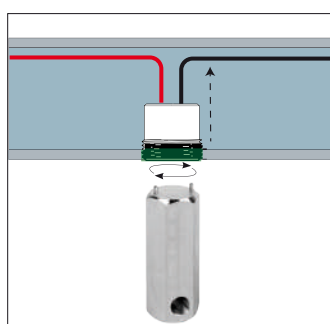
Drill 14.75 Inox (ref. 7015092)
Broca 14,75 inox (ref. 7015092)



Tap male M16x1mm (ref. 7015093)
Macho roscar M16x1mm (ref. 7015093)



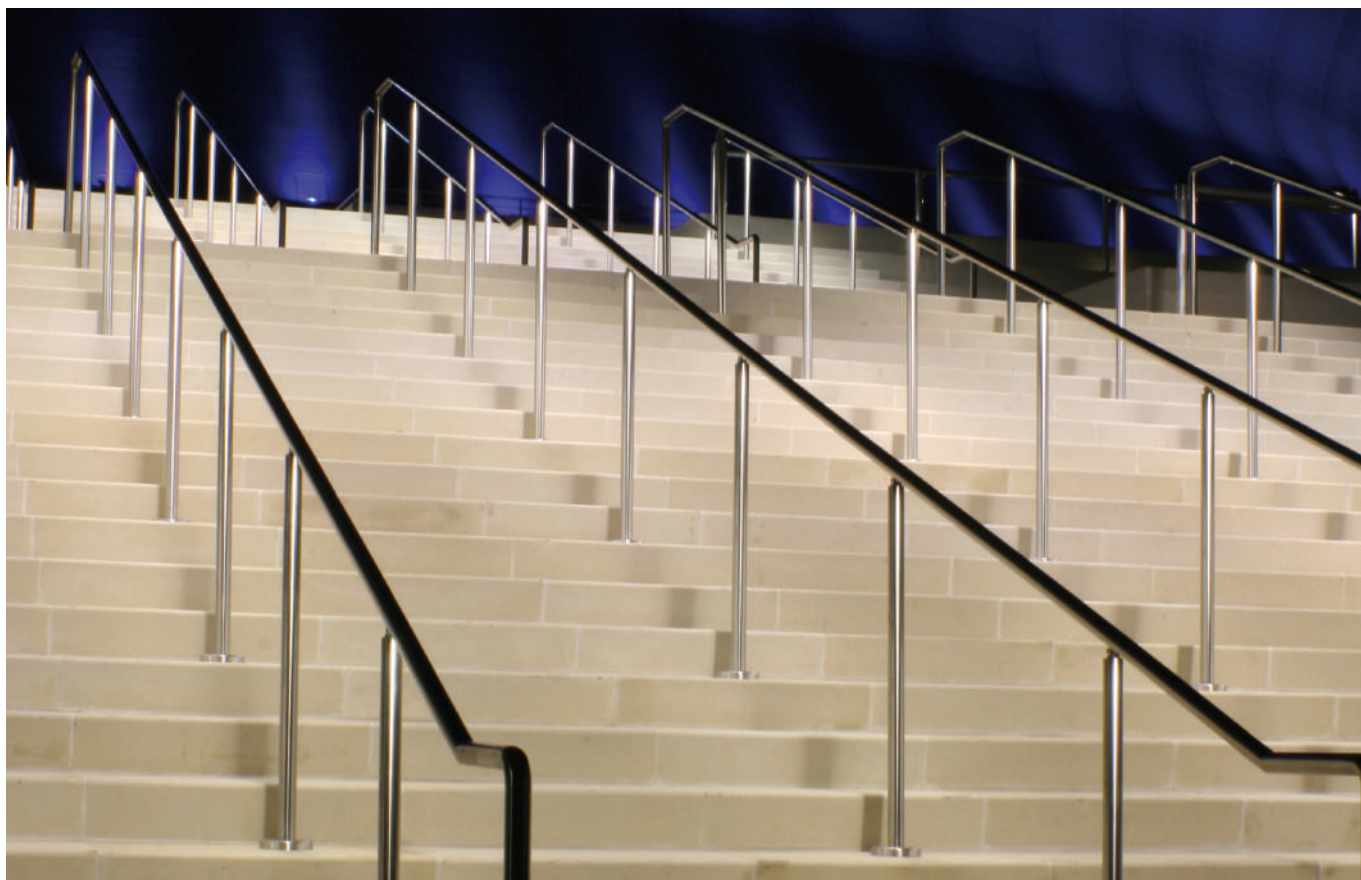
Loctite 270 sealer threads (ref. M020081)
Loctite 270 sellador roscas (ref. M020081)



Tightening tool (ref. 7015090)
Util. de apriete (ref. 7015090)



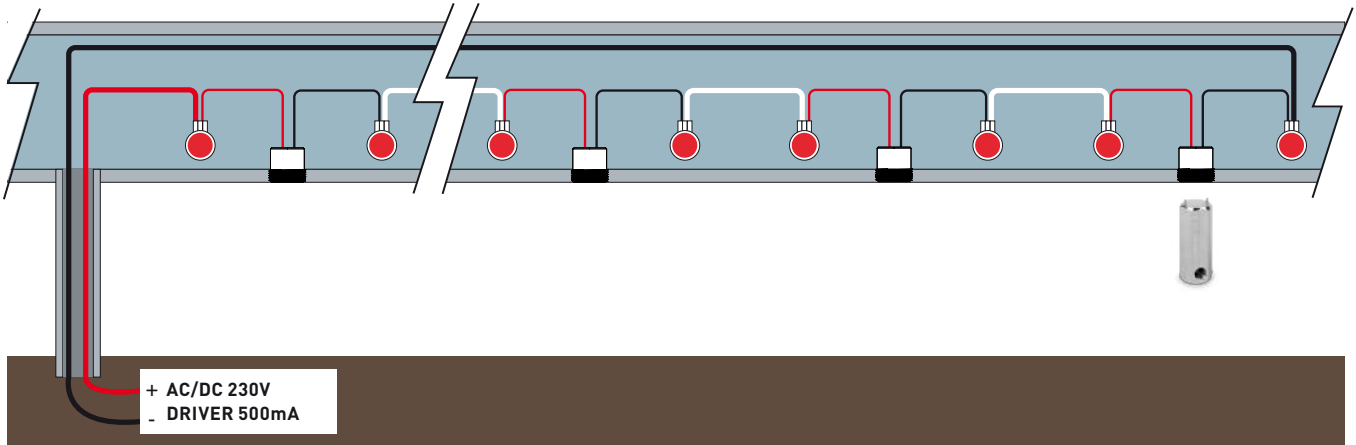
316 stainless steel unibody dot
Dot monobloque acero inox 316



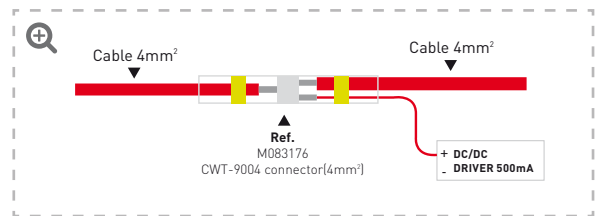
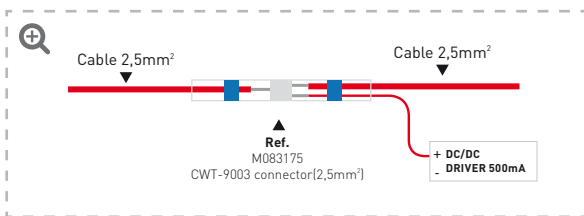
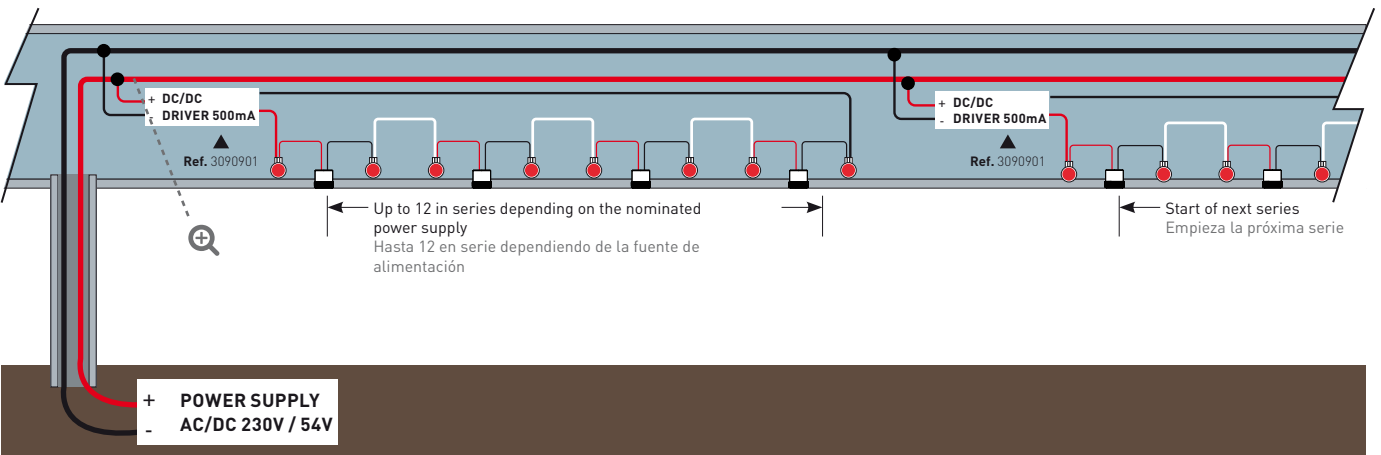
Mercedes Benz Superdome,
New Orleans, USA

CONNECTIONS CONEXIONES

A External driver installation Instalación driver externo



B In-tube driver installation Instalación driver interno



A EXTERNAL DRIVER INSTALLATION INSTALACIÓN DRIVER EXTERNO.

3090911 (Driver)	From 1 up to 16 dots De 1 a 16 dots
3090910 (Driver)	From 5 up to 10 dots De 5 a 10 dots
3090912 (Driver)	From 18 up to 30 dots De 18 a 30 dots
3090913 (Driver)	From 25 up to 50 dots De 25 a 50 dots

B IN-TUBE DRIVER INSTALLATION INSTALACIÓN DRIVER INTERNO

3090536 (Power supply)	Up to 8 series x 12 dots = 96 dots Hasta 8 series x 12 dots = 96 dots
3090537 (Power supply)	Up to 13 series x 12 dots = 156 dots Hasta 13 series x 12 dots = 156 dots
3090901 (Driver)	From 1 up to 12 dots De 1 a 12 dots

REFERENCES
REFERENCIAS

70150 X X /XX/XXX

COLOUR COLOR


/80/2K7 2700K
/80/3K 3000K
/80/4K 4000K
/80/5K 5000K

ANGLE ÁNGULO

1 60°
2 120°
5 90 Asymmetric

TYPE MODELO

0 Flat
1 Curved 43 mm
2 Curved 48 mm

 To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

DRIVERS REFERENCES AND POWER SUPPLY
REFERENCIAS DRIVERS Y FUENTE ALIMENTACIÓN



A - External driver installation Instalación driver externo			
3090911	IP68 Driver 500 mA 30W (2V-49V) On/Off, DALI	From 1 up to 16 dots De 1 a 16 dots	
3090910	IP67 Driver 500 mA 16W (15V-32V) On/Off, 0-10V	From 5 up to 10 dots De 5 a 10 dots	1
3090912	IP67 Driver 500 mA 45W (54V-90V) On/Off, 0-10V	From 18 up to 30 dots De 18 a 30 dots	2
3090913	IP67 Driver 500 mA 75W (75V-150V) On/Off	From 25 up to 50 dots De 25 a 50 dots	3

B - In-tube driver installation Instalación driver interno			
3090536	IP67 Power Supply 150W (54V DC) On/Off	Up to 8 series x 12 dots= 96 dots Hasta 8 series x 12 dots = 96 dots	4
3090537	IP67 Power Supply 240W (54V DC) On/Off	Up to 13 series x 12 dots= 156 dots Hasta 13 series x 12 dots = 156 dots	5
3090901	IP67 Driver 500 mA 18W (Input 9V-56V DC) On/Off	From 1 up to 12 dots De 1 a 12 dots	6

ACCESORIES REFERENCES
REFERENCIAS ACCESORIOS



M083025	UR2 3M end piece connector (0,5mm ²)	Conector - Terminal UR2 ·3M (0,5mm ²)	1
M083175	CWT-9003 connector (2,5mm ²)	Conector CWT-9003 (2,5mm ²)	2
M083176	CWT-9004 connector (4mm ²)	Conector CWT-9004 (4mm ²)	3
7015090	Tightening tool	Útil de apriete	4
7015091	Kit for machining M16x1mm handrail	Kit para mecanizar M16 x1mm hand rail	5
7015092	Spare special drill 14.75 Inox handrail mechanized kit	Recambio broca especial 14,75 inox kit mecanizado hand rail	6
7015093	Spare tap male M16x1 din 374 M2D handrail mechanized kit	Recambio macho roscar M16x1 din 374 M2D kit mecanizado handrail	7
M020081	Loctite 270 sealer threads 33 nm green	Loctite 270 sellador roscas 33 nm verde	8

Caelis restaurant,
Barcelona, Spain





DOWNITO® 70



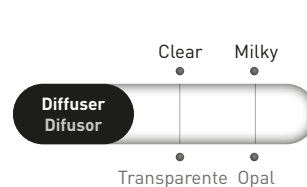
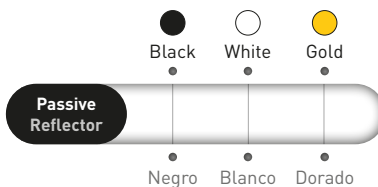
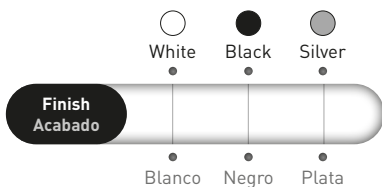
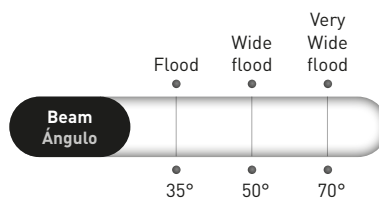
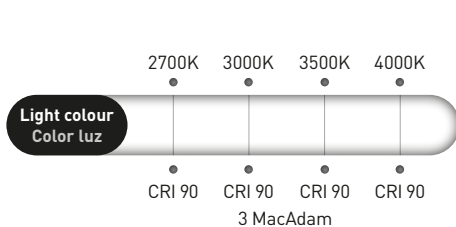
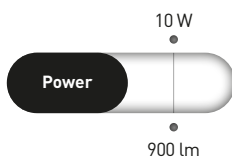
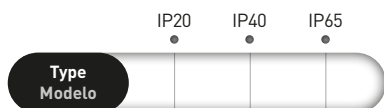
DOWNITO®70

ADJUSTABLE (+/- 30°)

UGR <19

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- IP20, IP40 and IP65 types
- Luminous flux 900 lm
- Luminaire efficiency 89 lm/W
- 3 beam angles: 35°, 50° and 70°
- Accessories available: honeycomb and milky diffuser
- Thermal test certificate

- Downlight LED para iluminación de acento
- Reflector inteligente: activo + pasivo (pintable)
- Modelos IP20, IP40 y IP65
- Flujo lumínico 900 lm
- Eficiencia de la luminaria 89 lm/W
- 3 ángulos de apertura: 35°, 50° y 70°
- Accesorios disponibles: panel de abeja y difusor opal
- Test térmico certificado



The standard IP20 version is delivered with chromed reflector. Driver not included.
La versión estándar IP20 se suministra con reflector cromado. Driver no incluido.

The standard IP40 or IP65 version is delivered with clear diffuser and chromed reflector. Driver not included.
La versión estándar IP40 o IP65 se suministra con difusor transparente y reflector cromado. Driver no incluido.

SPECIFICATIONS
CARACTERÍSTICAS

UGR <19	IP20 IP40 IP65		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C +122°F	CE
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Downito® 70				
Measures	Ø73 x 86 mm			
Weight	0,3 kg			
10 W (350 mA)				
Color temperatures	2700K - CRI 90	3000K - CRI 90	3500K - CRI 90	4000K - CRI 90
Lumens output	35° - 694 lm 50° - 788 lm 70° - 803 lm	35° - 731 lm 50° - 830 lm 70° - 846 lm	35° - 752 lm 50° - 853 lm 70° - 869 lm	35° - 765 lm 50° - 869 lm 70° - 885 lm
Luminaire efficiency	69 to 80 lm/W	73 to 85 lm/W	75 to 87 lm/W	77 to 89 lm/W



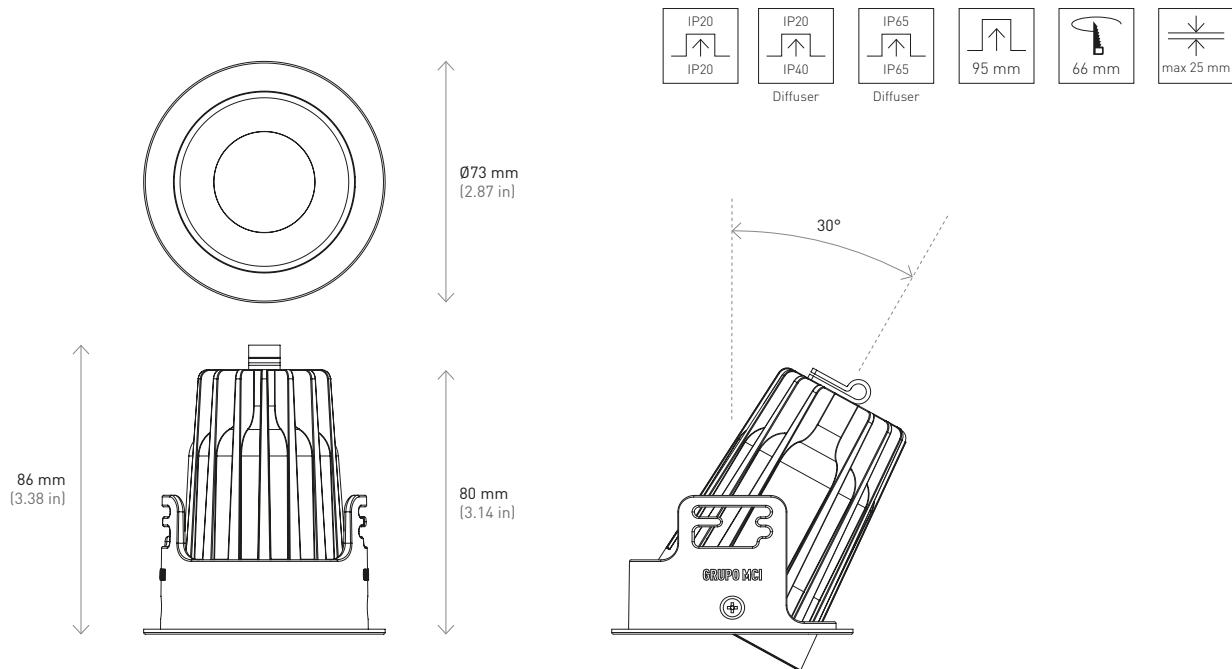
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Room Mate Anna Hotel,
Barcelona, Spain

DOWNITO® 70

MEASURES MEDIDAS



FINISHES ACABADOS

In order to satisfy all our customers, three different finishes are available: white, silver and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, plata y negro.



White.
Blanco. (RAL 9003)



Silver.
Plata. (RAL 9006)



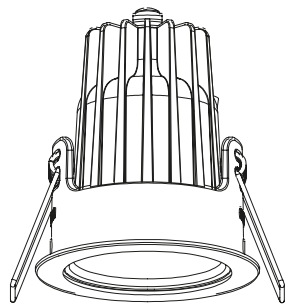
Black.
Negro. (RAL 9011)

DETAILS DETALLES

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



DETAILS
DETALLES



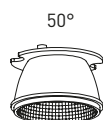
COB



COB holder



35°



50°



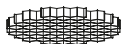
70°

Active reflector
(Engineering by Bartenbach)



Gasket

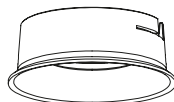
Honeycomb (IP20)



Diffuser (IP40 & IP65)

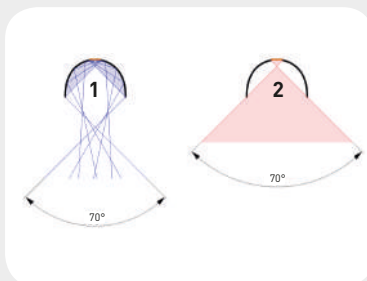
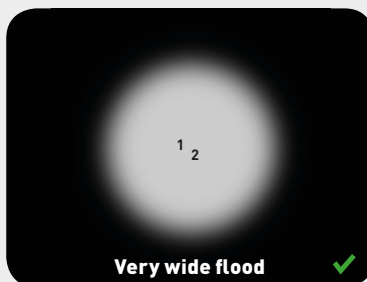
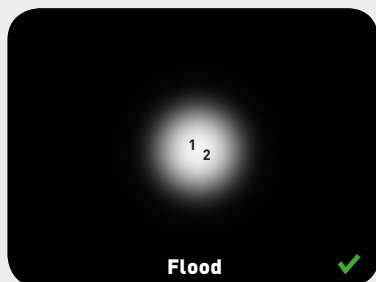


Honeycomb accessory (IP20)
or
Diffuser (IP40 & IP65)
Clear and Milky



Passive reflector (paintable)

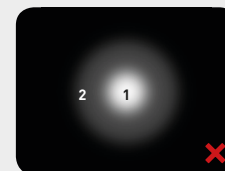
MCI TECHNOLOGY



Reflected light (1) + Direct light (2) = **MATCH**
CONCLUSION:
There is no residual light and maximum efficiency.

Luz reflejada (1) + Luz directa (2) = **COINCIDEN**
CONCLUSIÓN:
No hay luz residual y máxima eficiencia.

OTHER TECHNOLOGIES



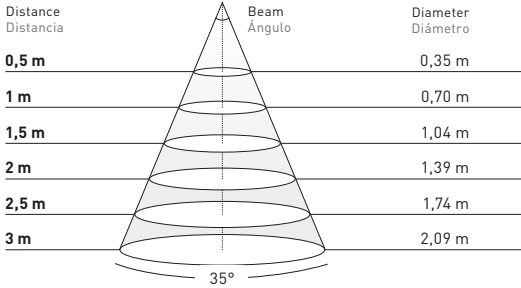
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 70

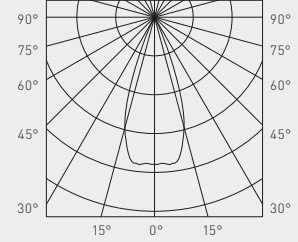
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 70

10 W 35°

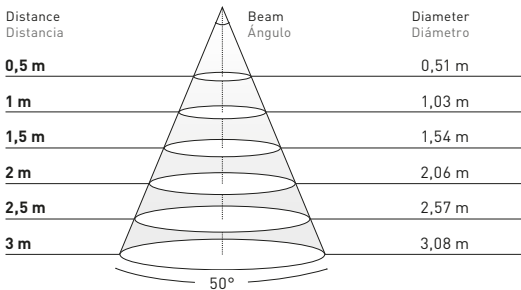


	2700K	3000K	4000K
0,5 m	7.614 lux	8.015 lux	8.336 lux
1 m	1.903 lux	2.004 lux	2.084 lux
1,5 m	846 lux	891 lux	852 lux
2 m	476 lux	501 lux	521 lux
2,5 m	305 lux	321 lux	334 lux
3 m	211 lux	223 lux	232 lux

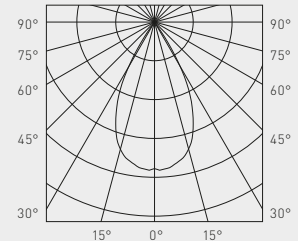


Downito® 70

10 W 50°

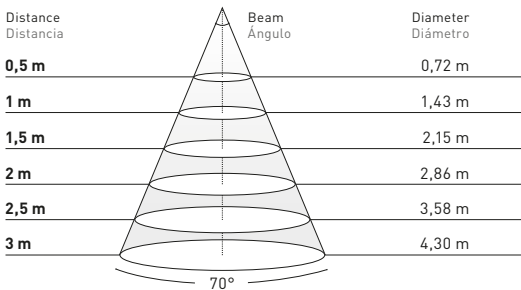


	2700K	3000K	4000K
0,5 m	4.537 lux	4.776 lux	4.967 lux
1 m	1.134 lux	1.194 lux	1.242 lux
1,5 m	504 lux	531 lux	552 lux
2 m	284 lux	299 lux	311 lux
2,5 m	181 lux	191 lux	199 lux
3 m	126 lux	133 lux	138 lux

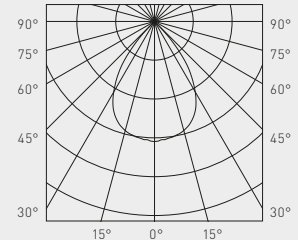


Downito® 70

10 W 70°



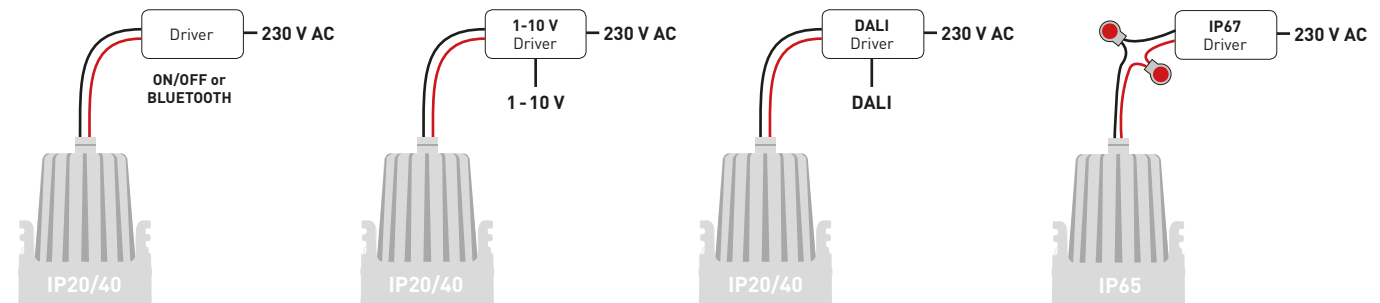
	2700K	3000K	4000K
0,5 m	2.831 lux	2.980 lux	3.099 lux
1 m	716 lux	745 lux	775 lux
1,5 m	314 lux	331 lux	344 lux
2 m	176 lux	186 lux	193 lux
2,5 m	113 lux	119 lux	124 lux
3 m	79 lux	83 lux	86 lux



Data calculated with Downito® 70 with clear diffuser.
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con Downito® 70 con difusor transparente.
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES



REFERENCES
REFERENCIAS

7113 X X X /XX/XX

COLOR COLOR

- /90/2K7 2700K
- /90/3K 3000K
- /90/3K5 3500K
- /90/4K 4000K

BEAM ÁNGULO

- 0 35°
- 1 50°
- 2 70°

FINISHES ACABADOS

- 0 Silver Plata
- 2 Black Negro
- 3 White Blanco

TYPE MODELO

- 0 IP20
- 1 IP40 Diffuser Difusor
- 3 IP65 Diffuser Difusor

OPTIONS
OPCIONES

The standard IP20 version is delivered with: chromed reflector. Driver not included.

The standard IP40 or IP65 version is delivered with: clear diffuser and chromed reflector. Driver not included.

La versión estándar IP20 se suministra con: reflector cromado. Driver no incluido.

La versión estándar IP40 o IP65 se suministra con: difusor transparente y reflector cromado. Driver no incluido.

PASSIVE REFLECTOR REFLECTOR PASIVO

- Chrome Cromado (Standard)
- Black Negro
- White Blanco
- Gold Dorado

DIFFUSER DIFUSOR (IP40 & IP65)

- Clear Transparente (Standard)
- Milky Opal

HONEYCOMB PANEL DE ABEJA (IP20)

- Honeycomb Panel de abeja
- Without Honeycomb Sin panel de abeja (Standard)

The Honeycomb must be ordered together with the lighting fixture. El Panel de abeja debe pedirse junto con la luminaria.

DRIVERS REFERENCES
REFERENCIAS DRIVERS



Drivers 350mA			
3091007	On-Off Led Driver 350mA 3.5W-15W	Led Driver 350mA 3.5W-15W On-Off	1
3090701	1-10V Led Driver Multi-power 0W-20W	Led Driver Multi-power 0W-20W 1-10V	2
3090702	DALI Led Driver Multi-power 0W-32W	Led Driver Multi-power 0W-32W DALI	3
IP67 Drivers 350mA			
3090787	On-Off Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W On-Off	4
3090788	1-10V Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W 1-10V	5
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M083025	UR2 3M end piece connector	Conector - Terminal UR2 3M	1
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To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Kaskazuri restaurant,
San Sebastián, Spain





DOWNITO® 70 SQUARE

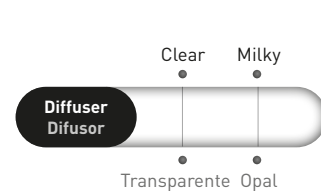
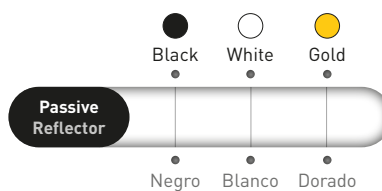
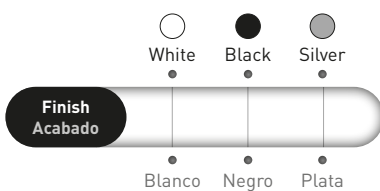
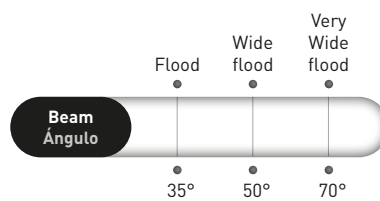
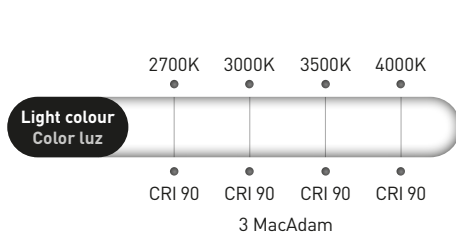
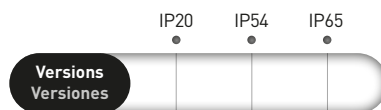
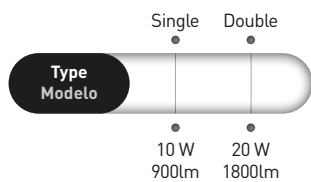


DOWNITO®70 Square

UGR <19

- LED downlight for accent lighting
- Single and double types (IP20, IP54, IP65)
- Smart reflector: active + passive (paintable)
- Luminous flux range from 700 lm to 1800 lm
- Luminaire efficiency 89 lm/W
- 3 beam angles: 35°, 50° and 70°
- Accessories available: honeycomb and milky diffuser
- Thermal test certificate

- Downlight LED para iluminación de acento
- Modelos individuales y doble (IP20, IP54, IP65)
- Reflector inteligente: activo + pasivo (pintable)
- Flujos lumínicos de 700 lm a 1800 lm
- Eficiencia de la luminaria 89 lm/W
- 3 ángulos de apertura: 35°, 50° y 70°
- Accesorios disponibles: panel de abeja y difusor opal
- Test térmico certificado



The standard IP20 version is delivered with black reflector. Driver not included.
La versión estándar IP20 se suministra con reflector negro. Driver no incluido.

The standard IP54 or IP65 version is delivered with clear diffuser and black reflector. Driver not included.
La versión estándar IP54 o IP65 se suministra con difusor transparente y reflector negro. Driver no incluido.

SPECIFICATIONS
CARACTERÍSTICAS

UGR <19	IP20 IP54 IP65		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C +122°F	CE
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Downito® 70 Square Single				
Measures	73 x 73 x 92 mm			
Weight	0,35 kg			
10 W (350 mA)				
Color temperatures	2700K - CRI 90	3000K - CRI 90	3500K - CRI 90	4000K - CRI 90
Lumens output	35° - 694 lm 50° - 788 lm 70° - 803 lm	35° - 731 lm 50° - 830 lm 70° - 846 lm	35° - 752 lm 50° - 853 lm 70° - 869 lm	35° - 765 lm 50° - 869 lm 70° - 885 lm
Luminaire efficiency	69 to 80 lm/W	73 to 85 lm/W	75 to 87 lm/W	77 to 89 lm/W

Downito® 70 Square Double				
Measures	73 x 129 x 92 mm			
Weight	0,8 kg			
20 W (350 mA)				
Color temperatures	2700K - CRI 90	3000K - CRI 90	3500K - CRI 90	4000K - CRI 90
Lumens output	35° - 1.389 lm 50° - 1.576 lm 70° - 1.607 lm	35° - 1.462 lm 50° - 1.659 lm 70° - 1.692 lm	35° - 1.503 lm 50° - 1.706 lm 70° - 1.739 lm	35° - 1.531 lm 50° - 1.737 lm 70° - 1.771 lm
Luminaire efficiency	69 to 80 lm/W	73 to 84 lm/W	75 to 87 lm/W	77 to 89 lm/W



Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

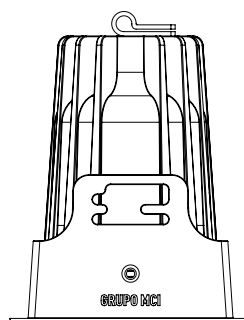
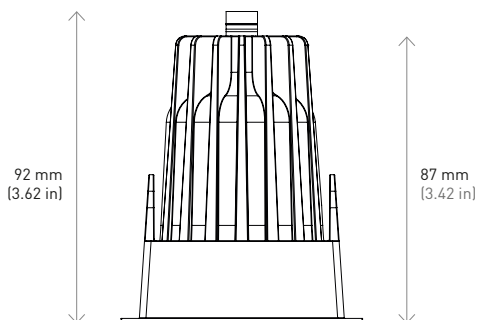
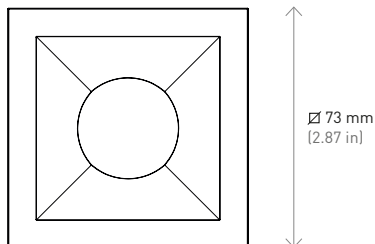
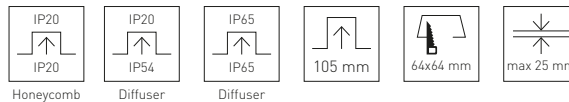
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Private Residential,
Ibiza, Spain

DOWNITO® 70 SQUARE

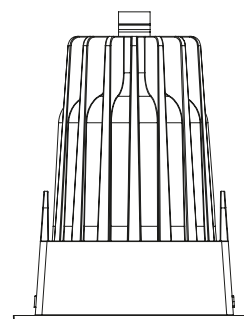
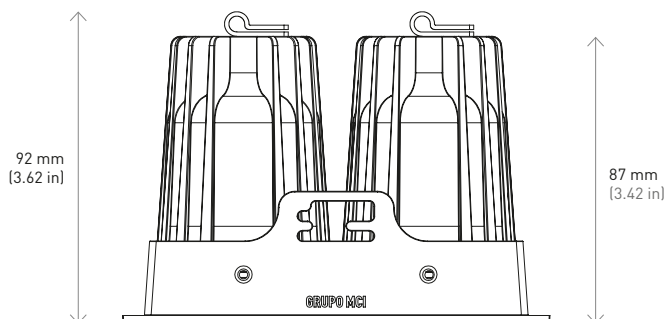
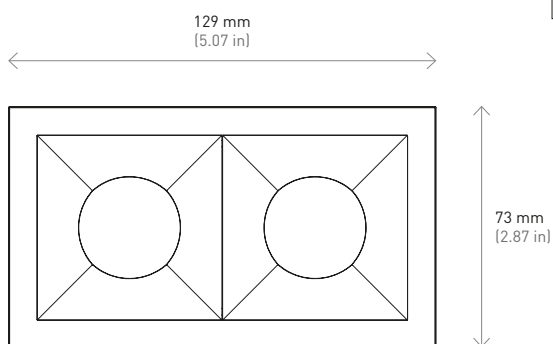
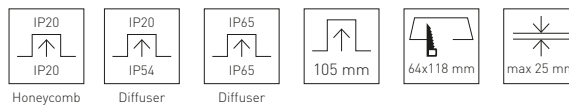
MEASURES MEDIDAS

Downito® 70 Square Single



MEASURES MEDIDAS

Downito® 70 Square Double



FINISHES
ACABADOS

In order to satisfy all our customers, three different finishes are available: white, silver and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, plata y negro.



White.
Blanco. (RAL 9003)



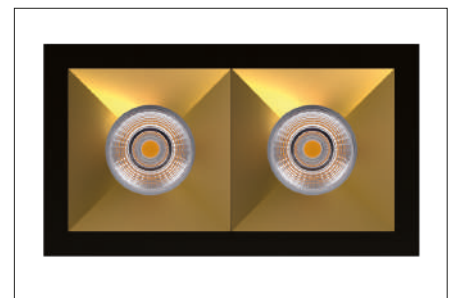
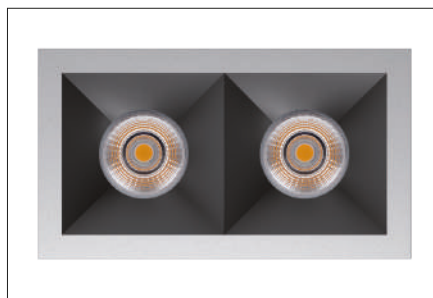
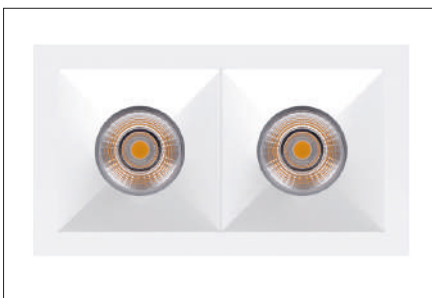
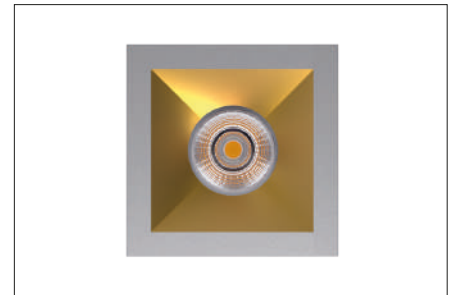
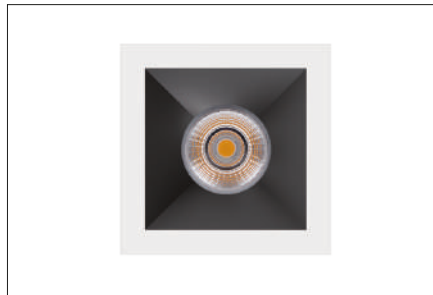
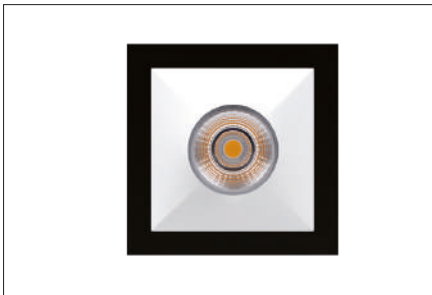
Silver.
Plata. (RAL 9006)



Black.
Negro. (RAL 9011)

DETAILS
DETALLES

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.

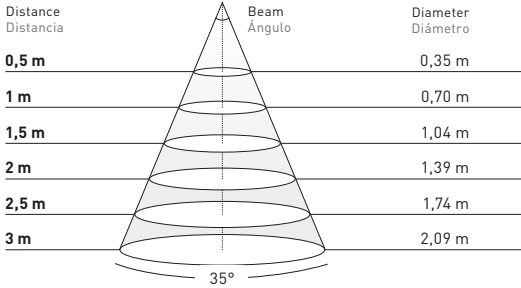


DOWNITO® 70 SQUARE

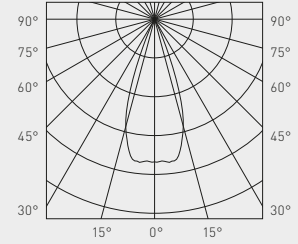
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 70 Square Single

10 W 35°

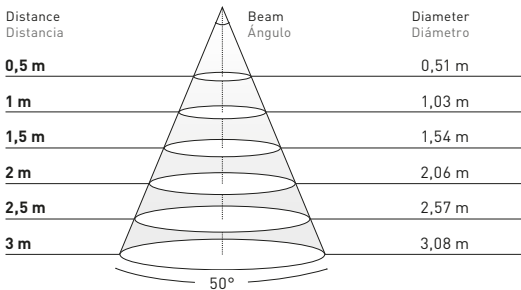


	2700K	3000K	4000K
0,5 m	7.614 lux	8.015 lux	8.336 lux
1 m	1.903 lux	2.004 lux	2.084 lux
1,5 m	846 lux	891 lux	852 lux
2 m	476 lux	501 lux	521 lux
2,5 m	305 lux	321 lux	334 lux
3 m	211 lux	223 lux	232 lux

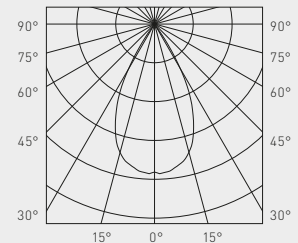


Downito® 70 Square Single

10 W 50°

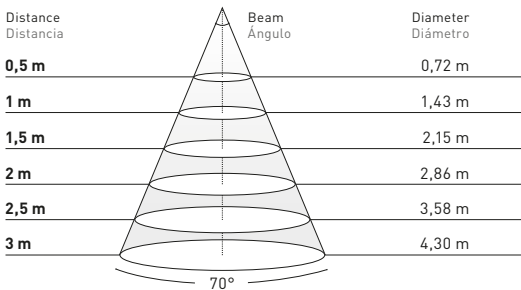


	2700K	3000K	4000K
0,5 m	4.537 lux	4.776 lux	4.967 lux
1 m	1.134 lux	1.194 lux	1.242 lux
1,5 m	504 lux	531 lux	552 lux
2 m	284 lux	299 lux	311 lux
2,5 m	181 lux	191 lux	199 lux
3 m	126 lux	133 lux	138 lux

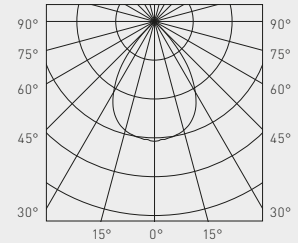


Downito® 70 Square Single

10 W 70°



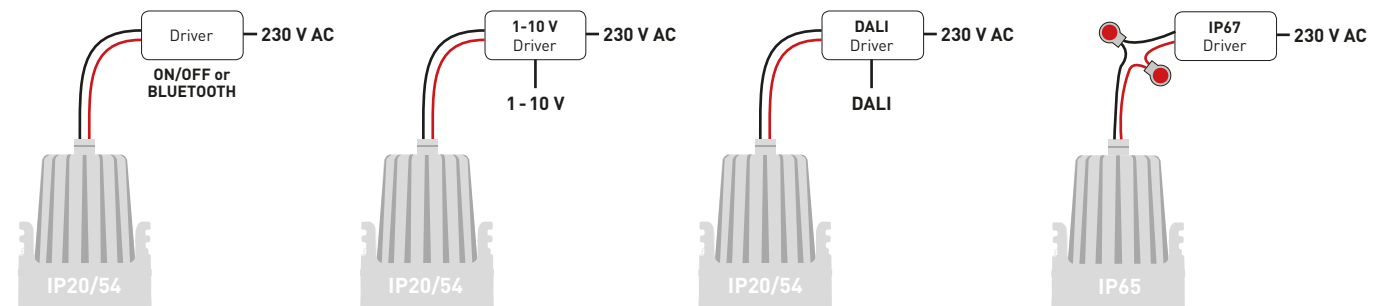
	2700K	3000K	4000K
0,5 m	2.831 lux	2.980 lux	3.099 lux
1 m	716 lux	745 lux	775 lux
1,5 m	314 lux	331 lux	344 lux
2 m	176 lux	186 lux	193 lux
2,5 m	113 lux	119 lux	124 lux
3 m	79 lux	83 lux	86 lux



Data calculated with Downito®70 Square Single with clear diffuser.
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

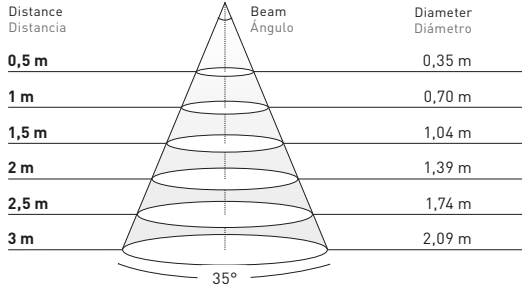
Datos calculados con Downito®70 Square Single con difusor transparente.
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES

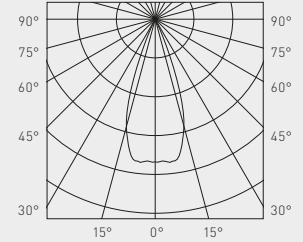


LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

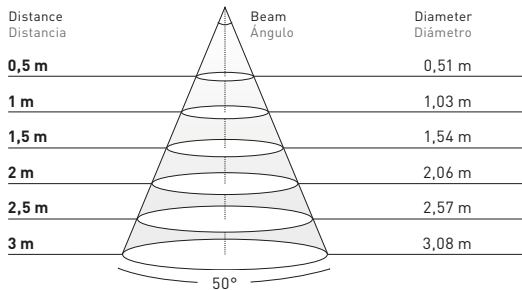
Downito® 70 Square Double **20 W** **35°**



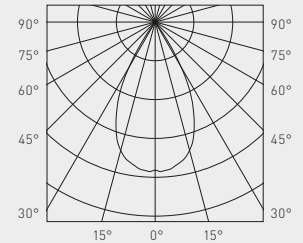
	2700K	3000K	4000K
	15.229 lux	16.031 lux	16.672 lux
	3.807 lux	4.008 lux	4.168 lux
	1.691 lux	1.781 lux	1.852 lux
	951 lux	1.002 lux	1.042 lux
	609 lux	641 lux	666 lux
	422 lux	445 lux	462 lux



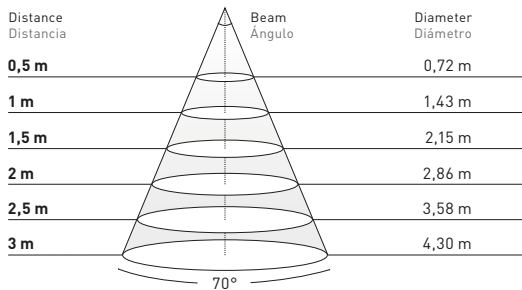
Downito® 70 Square Double **20 W** **50°**



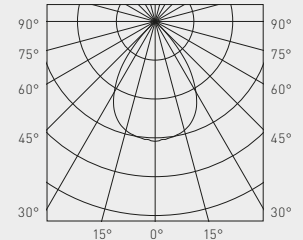
	2700K	3000K	4000K
	9.075 lux	9.553 lux	9.935 lux
	2.268 lux	2.388 lux	2.483 lux
	1.008 lux	1.061 lux	1.104 lux
	567 lux	597 lux	620 lux
	363 lux	382 lux	397 lux
	251 lux	265 lux	275 lux



Downito® 70 Square Double **20 W** **70°**



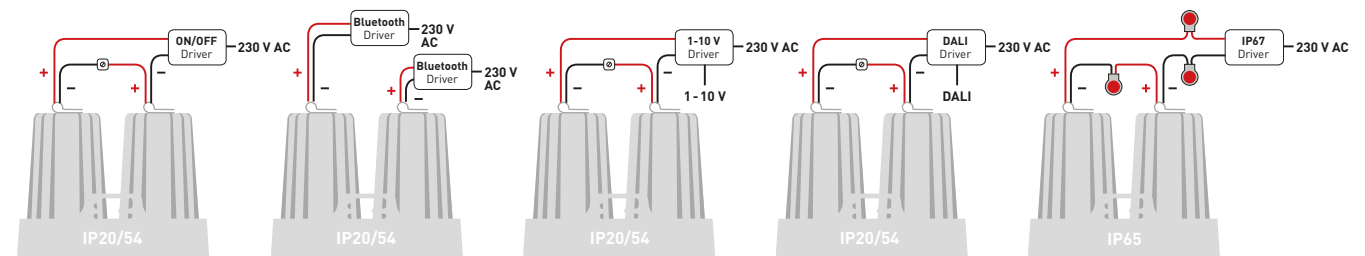
	2700K	3000K	4000K
	5.662 lux	5.960 lux	6.198 lux
	1.415 lux	1.490 lux	1.549 lux
	629 lux	662 lux	688 lux
	353 lux	372 lux	386 lux
	226 lux	238 lux	247 lux
	157 lux	166 lux	172 lux



Data calculated with Downito® 70 Square Double with clear diffuser.
Lumen measurement complies with UNE-EN 13032 / IES LM-79-08 testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

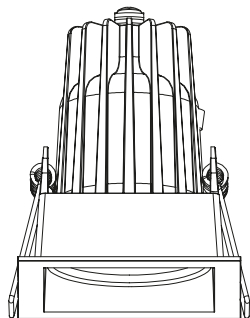
Datos calculados con Downito® 70 Square Double con difusor transparente.
Ensayado bajo las especificaciones de la norma UNE-EN 13032 / IES LM-79-08.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS
CONEXIONES



DOWNITO® 70 SQUARE

DETAILS DETALLES



COB



COB holder



Active reflector
(Engineering by Bartenbach)



Gasket

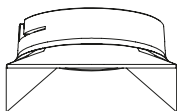
Honeycomb (IP20)



Diffuser (IP54 & IP65)

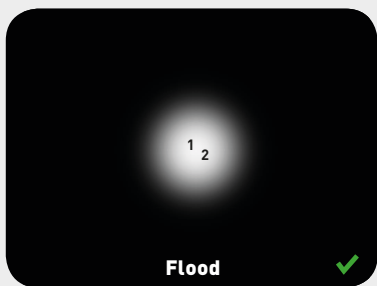


Honeycomb accessory (IP20)
or
Diffuser (IP54 & IP65)
Clear and Milky

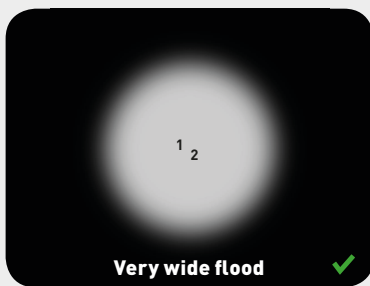


Passive reflector (paintable)

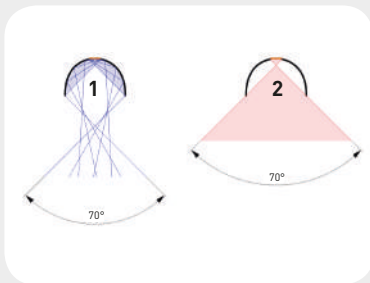
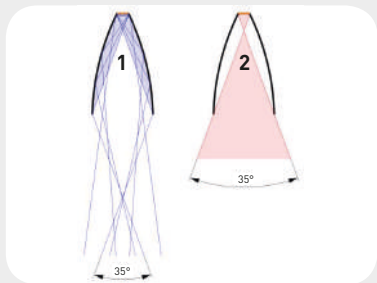
MCI TECHNOLOGY



Flood



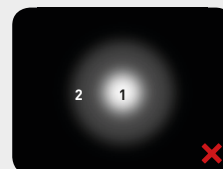
Very wide flood



Reflected light (1) + Direct light (2) = **MATCH**
CONCLUSION:
There is no residual light and maximum efficiency.

Luz reflejada (1) + Luz directa (2) = **COINCIDEN**
CONCLUSIÓN:
No hay luz residual y máxima eficiencia.

OTHER TECHNOLOGIES



Halo shapes and low efficiency
Halos y baja eficiencia

REFERENCES REFERENCIAS

711	X	X	X	X	/XX/XXX
COLOR		COLOR			
/90/2K7	2700K				
/90/3K	3000K				
/90/3K5	3500K				
/90/4K	4000K				
BEAM		ÁNGULO			
0	35°				
1	50°				
2	70°				
FINISHES		ACABADOS			
0	Silver	Plata			
2	Black	Negro			
3	White	Blanco			
TYPE		MODELO			
5	IP20				
7	IP54	Diffuser	Difusor		
8	IP65	Diffuser	Difusor		
VERSION		VERSIÓN			
3	Single				
4	Double				

OPTIONS OPCIONES

The standard IP20 version is delivered with: black reflector. Driver not included.

The standard IP54 or IP65 version is delivered with: clear diffuser and black reflector. Driver not included.

La versión estándar IP20 se suministra con: reflector negro. Driver no incluido.

La versión estándar IP54 o IP65 se suministra con: difusor transparente y reflector negro. Driver no incluido.

PASSIVE REFLECTOR REFLECTOR PASIVO

Chrome	Cromado
Black	Negro (Standard)
White	Blanco
Gold	Dorado

DIFFUSER DIFUSOR (IP54 & IP65)

Clear	Transparente (Standard)
Milky	Opal

HONEYCOMB PANEL DE ABEJA (IP20)

Honeycomb	Panel de abeja
Without Honeycomb	Sin panel de abeja (Standard)

The Honeycomb must be ordered together with the lighting fixture. El Panel de abeja debe pedirse junto con la luminaria.

DRIVERS REFERENCES REFERENCIAS DRIVERS



Drivers Downito® Single (350mA)			
3091007	On-Off Led Driver 350mA 3.5W-15W	Led Driver 350mA 3.5W-15W On-Off	1
3090701	1-10V Led Driver Multi-power 0W-20W	Led Driver Multi-power 0W-20W 1-10V	2
3090702	DALI Led Driver Multi-power 0W-32W	Led Driver Multi-power 0W-32W DALI	3
Drivers Downito® Double (350mA)			
3090784	On-Off Led Driver 350mA 25W	Led Driver 350mA 25W On-Off	4
3090785	DALI / 1-10V / PUSH Led Driver 350mA 25W	Led Driver 350mA 25W DALI / 1-10V / PUSH	5
IP67 Drivers Downito® Single (350mA)			
3090787	On-Off Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W On-Off	6
3090788	1-10V Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W 1-10V	7
IP67 Drivers Downito® Double (350mA)			
3090792	1-10V Led Driver IP67 350mA 33W	Led Driver IP67 350mA 33W 1-10V	8
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M083025	UR2 3M end piece connector	Conector - Terminal UR2 3M	1
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To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312





**DOWNITO® 70
DEEP**



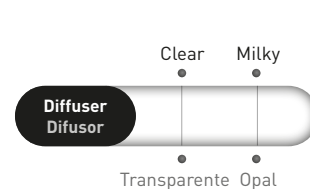
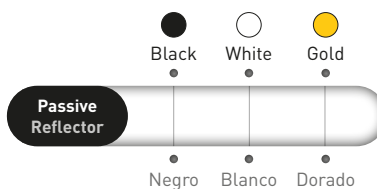
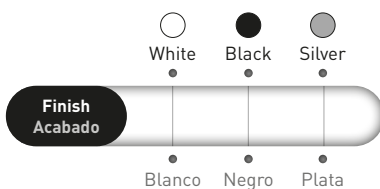
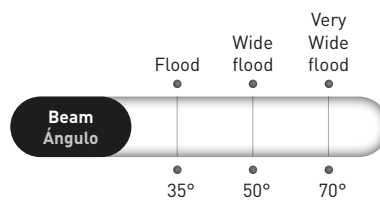
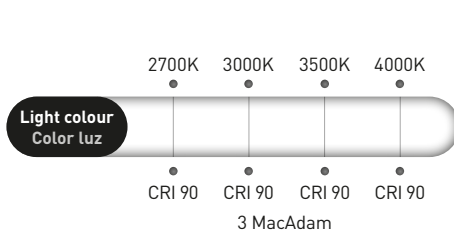
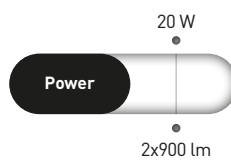
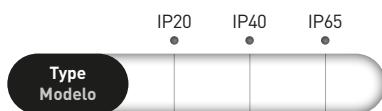
DOWNITO®70 Deep

ADJUSTABLE (+/- 30°)

UGR <19

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- Luminous flux 1.800 lm (2x900 lm)
- Luminaire efficiency 89 lm/W
- 3 beam angles: 35°, 50° and 70°
- Accessories available: honeycomb, milky and diffuser
- Thermal test certificate

- Downlight LED para iluminación de acento
- Reflector inteligente: activo + pasivo (pintable)
- Flujo lumínico de 1.800 lm (2x900 lm)
- Eficiencia de la luminaria 89 lm/W
- 3 ángulos de apertura: 35°, 50° y 70°
- Accesorios disponibles: panel de abeja y difusor
- Test térmico certificado



The standard IP20 version is delivered with black reflector. Driver not included.
La versión estándar IP20 se suministra con reflector negro. Driver no incluido.

The standard IP40 or IP65 version is delivered with clear diffuser and black reflector. Driver not included.
La versión estándar IP40 o IP65 se suministra con difusor transparente y reflector negro. Driver no incluido.

SPECIFICATIONS
CARACTERÍSTICAS

UGR <19	IP20 IP40 IP65		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C +122°F	CE
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Downito® 70 Deep				
Measures	190 x 111 x 102 mm			
Weight	1,0 kg			
20 W (350 mA)				
Color temperatures	2700K - CRI 90	3000K - CRI 90	3500K - CRI 90	4000K - CRI 90
Lumens output	35° - 1.389 lm 50° - 1.576 lm 70° - 1.607 lm	35° - 1.462 lm 50° - 1.659 lm 70° - 1.692 lm	35° - 1.503 lm 50° - 1.706 lm 70° - 1.739 lm	35° - 1.531 lm 50° - 1.737 lm 70° - 1.771 lm
Luminaire efficiency	69 to 80 lm/W	73 to 84 lm/W	75 to 87 lm/W	77 to 89 lm/W



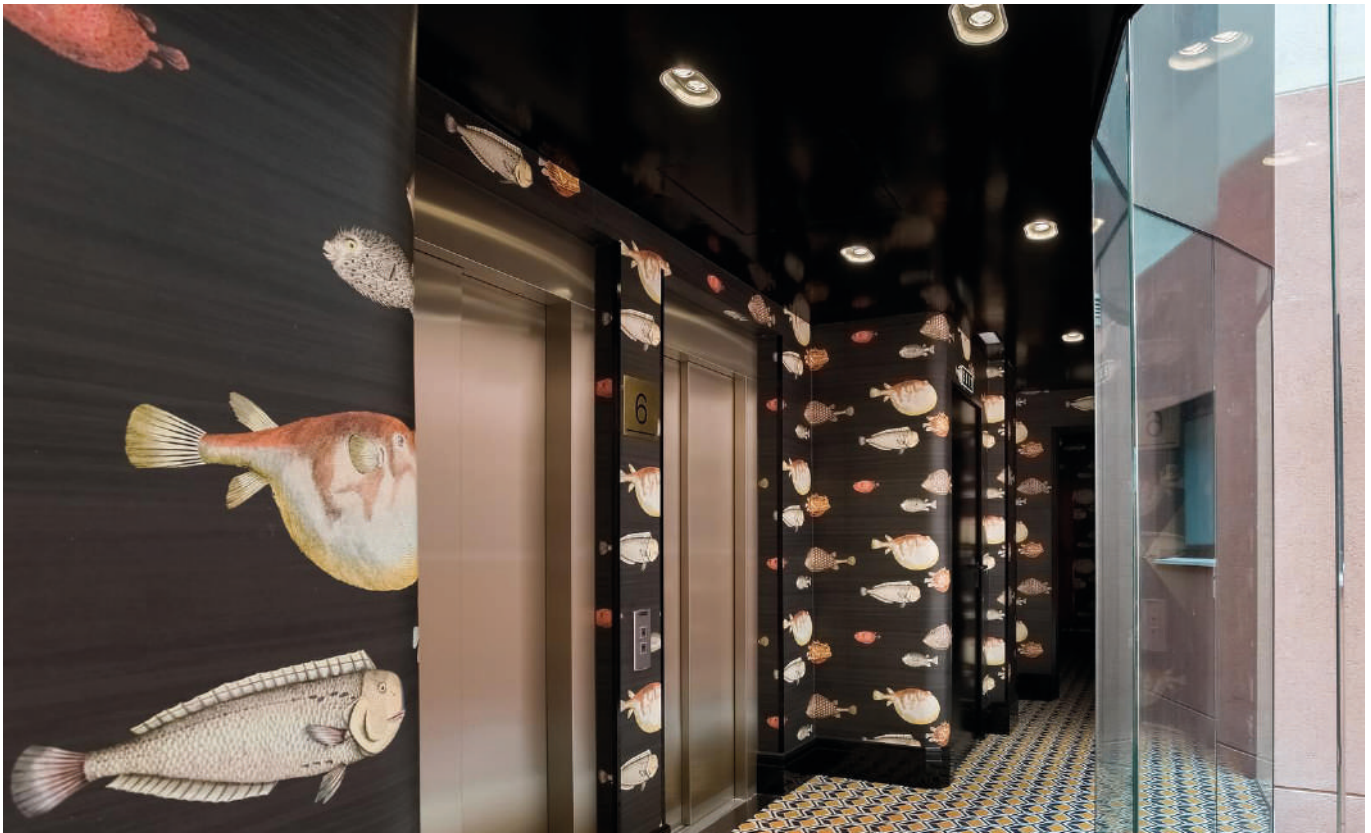
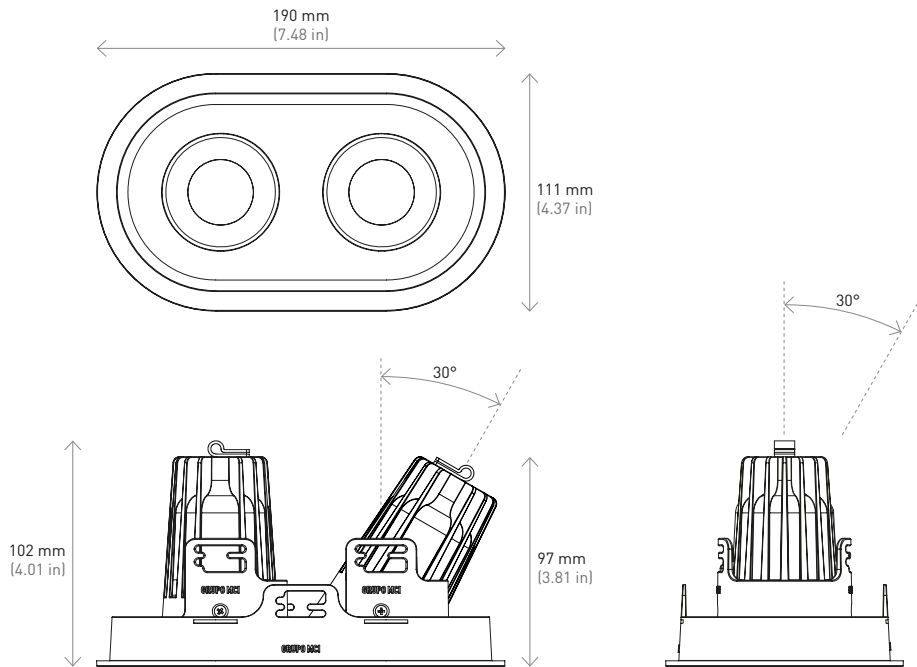
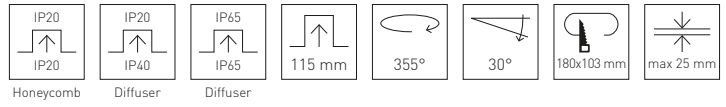
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

Caelis Restaurant,
Barcelona, Spain

DOWNITO® 70 DEEP

MEASURES MEDIDAS



Room Mate Hotel,
Barcelona, Spain

**FINISHES
ACABADOS**

In order to satisfy all our customers, three different finishes are available: white, silver and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, plata y negro.



White.
Blanco.

[RAL 9003]

Silver.
Plata.

[RAL 9006]

Black.
Negro.

[RAL 9011]

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.

**DETAILS
DETALLES**

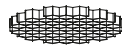


Active reflector
(Engineering by Bartenbach)



Gasket

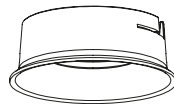
Honeycomb (IP20)



Diffuser (IP40 & IP65)

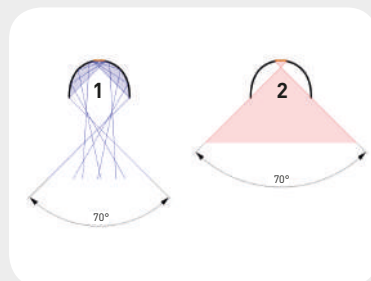
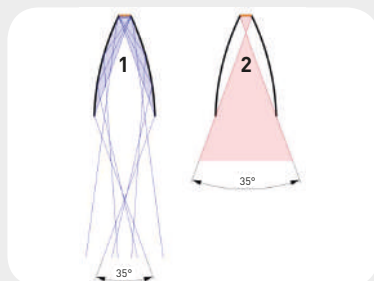
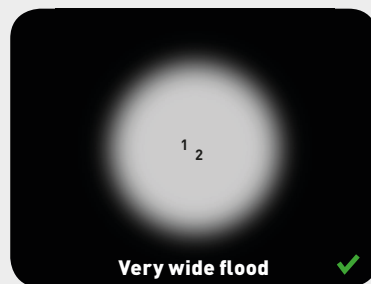
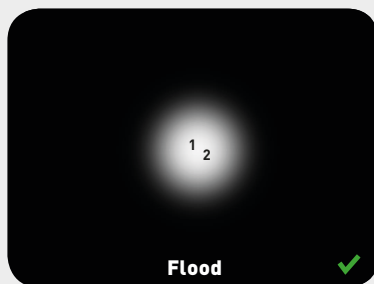


Honeycomb accessory (IP20)
or
Diffuser (IP40 & IP65)
Clear and Milky



Passive reflector (paintable)

MCI TECHNOLOGY



Reflected light (1) + Direct light (2) = **MATCH**
CONCLUSION:
There is no residual light and maximum efficiency.

Luz reflejada (1) + Luz directa (2) = **COINCIDEN**
CONCLUSIÓN:
No hay luz residual y máxima eficiencia.

OTHER TECHNOLOGIES



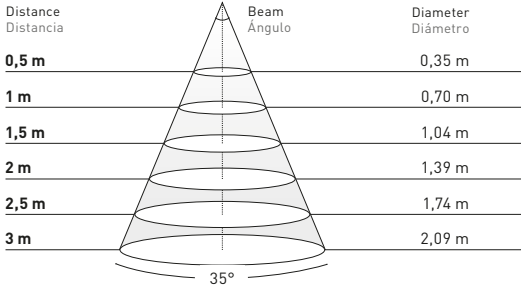
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 70 DEEP

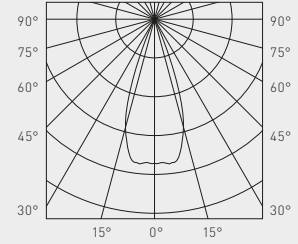
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 70 Square Deep

20 W 35°

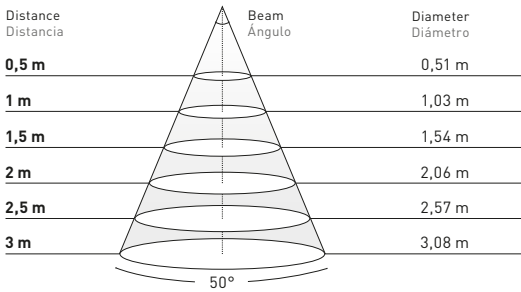


	2700K	3000K	4000K
0,5 m	15.229 lux	16.031 lux	16.672 lux
1 m	3.807 lux	4.008 lux	4.168 lux
1,5 m	1.691 lux	1.781 lux	1.852 lux
2 m	951 lux	1.002 lux	1.042 lux
2,5 m	609 lux	641 lux	666 lux
3 m	422 lux	445 lux	462 lux

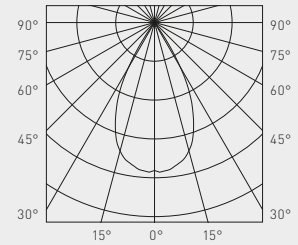


Downito® 70 Square Deep

20 W 50°

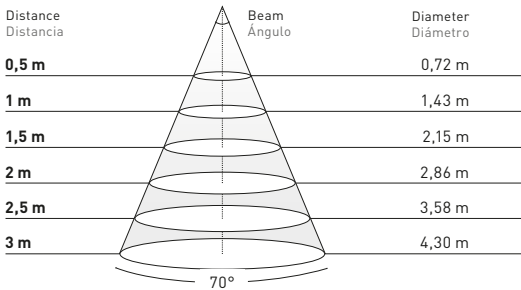


	2700K	3000K	4000K
0,5 m	9.075 lux	9.553 lux	9.935 lux
1 m	2.268 lux	2.388 lux	2.483 lux
1,5 m	1.008 lux	1.061 lux	1.106 lux
2 m	567 lux	597 lux	620 lux
2,5 m	363 lux	382 lux	397 lux
3 m	251 lux	265 lux	275 lux

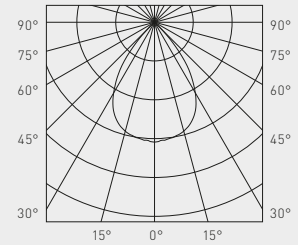


Downito® 70 Square Deep

20 W 70°



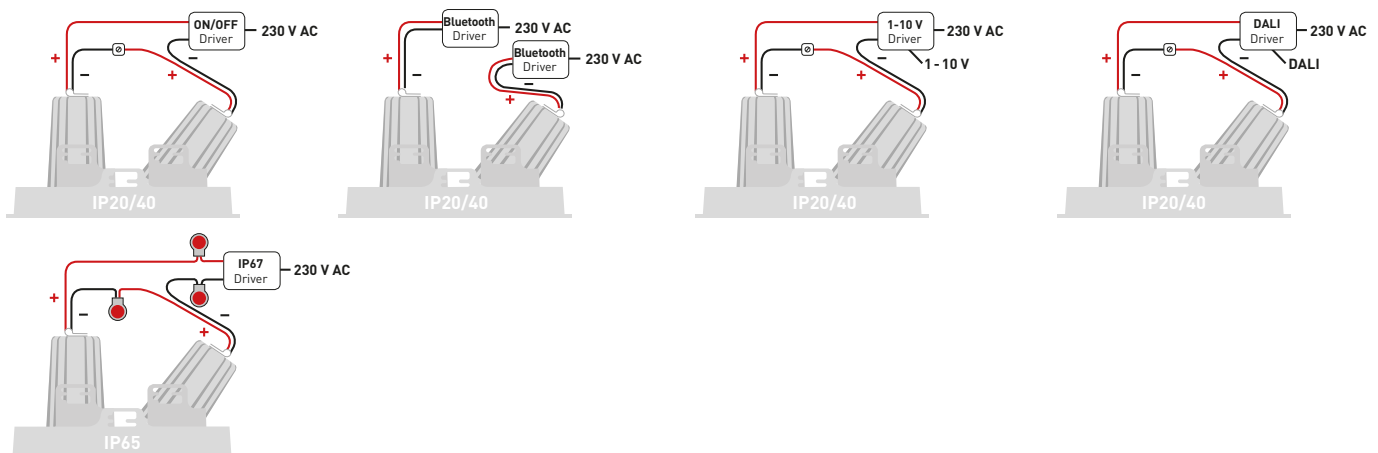
	2700K	3000K	4000K
0,5 m	5.662 lux	5.960 lux	6.198 lux
1 m	1.415 lux	1.490 lux	1.549 lux
1,5 m	629 lux	662 lux	688 lux
2 m	353 lux	372 lux	386 lux
2,5 m	226 lux	238 lux	247 lux
3 m	157 lux	166 lux	172 lux



Data calculated with **Downito® 70 Square Deep with clear diffuser**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Downito® 70 Square Deep con difusor transparente**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES



REFERENCES
REFERENCIAS

7115 X X X /XX/XXX

COLOR COLOR

/90/2K7	2700K
/90/3K	3000K
/90/3K5	3500K
/90/4K	4000K

BEAM ÁNGULO

0	35°
1	50°
2	70°

FINISHES ACABADOS

0	Silver	Plata
2	Black	Negro
3	White	Blanco

TYPE MODELO

5	IP20		
6	IP40	Diffuser	Difusor
8	IP65	Diffuser	Difusor

OPTIONS
OPCIONES

The standard IP20 version is delivered with:
black reflector. Driver not included.

The standard IP40 or IP65 version is delivered with:
clear diffuser and black reflector. Driver not included.

La versión estándar IP20 se suministra con:
reflector negro. Driver no incluido.

La versión estándar IP40 o IP65 se suministra con:
difusor transparente y reflector negro. Driver no incluido.

PASSIVE REFLECTOR REFLECTOR PASIVO

Chrome	Cromado
Black	Negro (Standard)
White	Blanco
Gold	Dorado

DIFUSER DIFUSOR (IP40 & IP65)

Clear	Transparente (Standard)
Milky	Opal

HONEYCOMB PANEL DE ABEJA (IP20)

Honeycomb	Panel de abeja
Without Honeycomb	Sin panel de abeja (Standard)

The Honeycomb must be ordered together with the lighting fixture.
El Panel de abeja debe pedirse junto con la luminaria.

DRIVERS REFERENCES
REFERENCIAS DRIVERS



Drivers 350mA			
3090784	On-Off Led Driver 350mA 25W	Led Driver 350mA 25W On-Off	1
3090785	DALI / 1-10V / PUSH Led Driver 350mA 25W	Led Driver 350mA 25W DALI / 1-10V / PUSH	2
IP67 Drivers 350mA			
3090792	1-10V Led Driver IP67 350mA 33W	Led Driver IP67 350mA 33W 1-10V	3
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	4
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	5

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS

1



M083025	UR2 3M end piece connector	Conector - Terminal UR2 3M	1
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To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Store Caixa Bank,
Barcelona, Spain





DOWNITO® 90

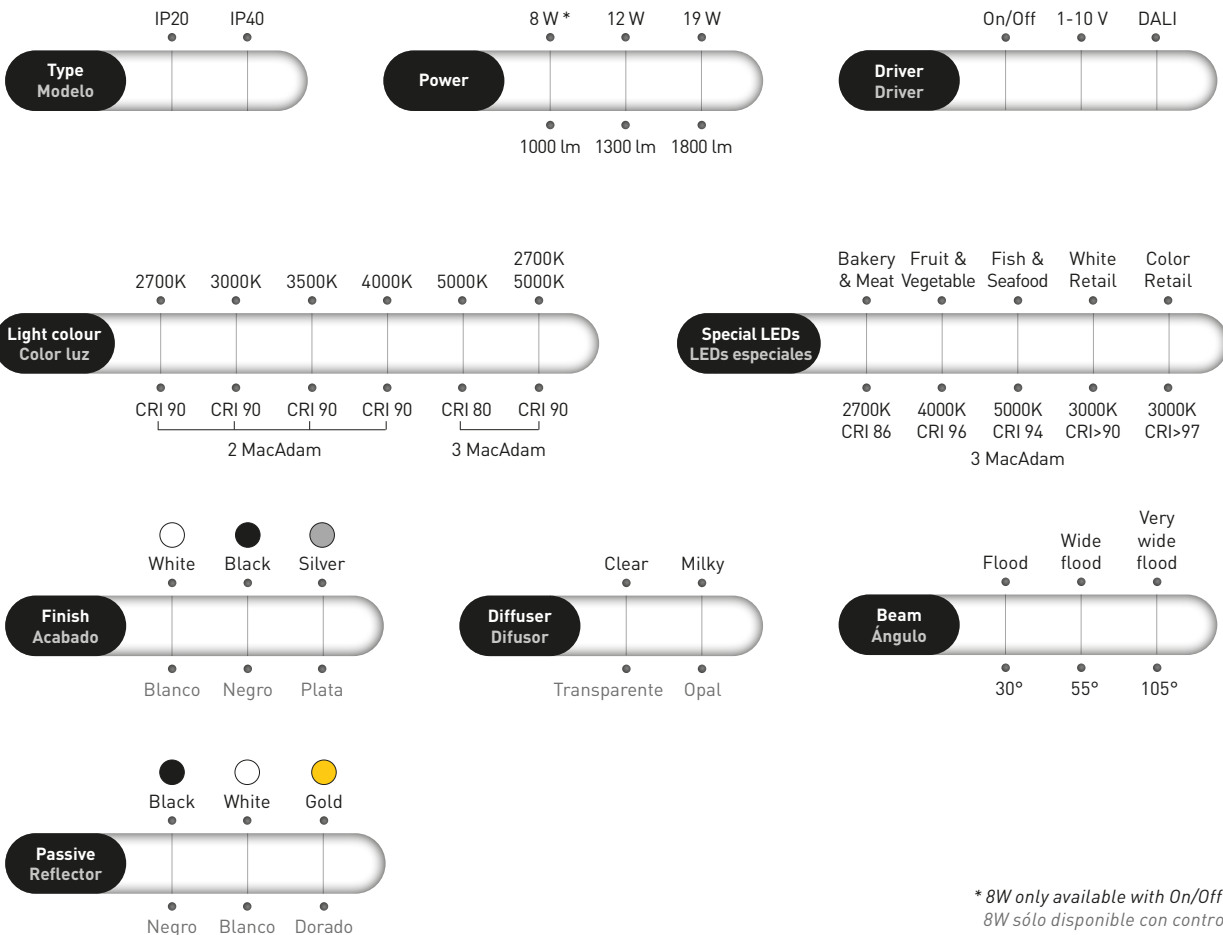


DOWNITO®90

ADJUSTABLE (+/- 20°)

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- Multi-power downlight, from 8 W to 19 W
- Luminous flux range from 600 lm to 1800 lm
- Luminaire efficiency 120 lm/W
- 3 beam angles: 30°, 55° and 105°
- Special LEDs to improve the food and retail colors
- Accessories available: diffuser clear and opal

- Downlight LED para iluminación de acento
- Reflector inteligente: activo + pasivo (pintable)
- Downlight multi-power, de 8 W a 19 W
- Flujo lumínico de 600 lm a 1800 lm
- Eficiencia de la luminaria 120 lm/W
- 3 ángulos de apertura: 30°, 55° y 105°
- LEDs especiales para potenciar los colores en alimentación y retail
- Accesorios disponibles: difusor transparente y opal



* 8W only available with On/Off Control.
8W sólo disponible con control On/Off.

The standard IP20 version is delivered with chromed reflector. Driver not included.
La versión estándar IP20 se suministra con reflector cromado. Driver no incluido.

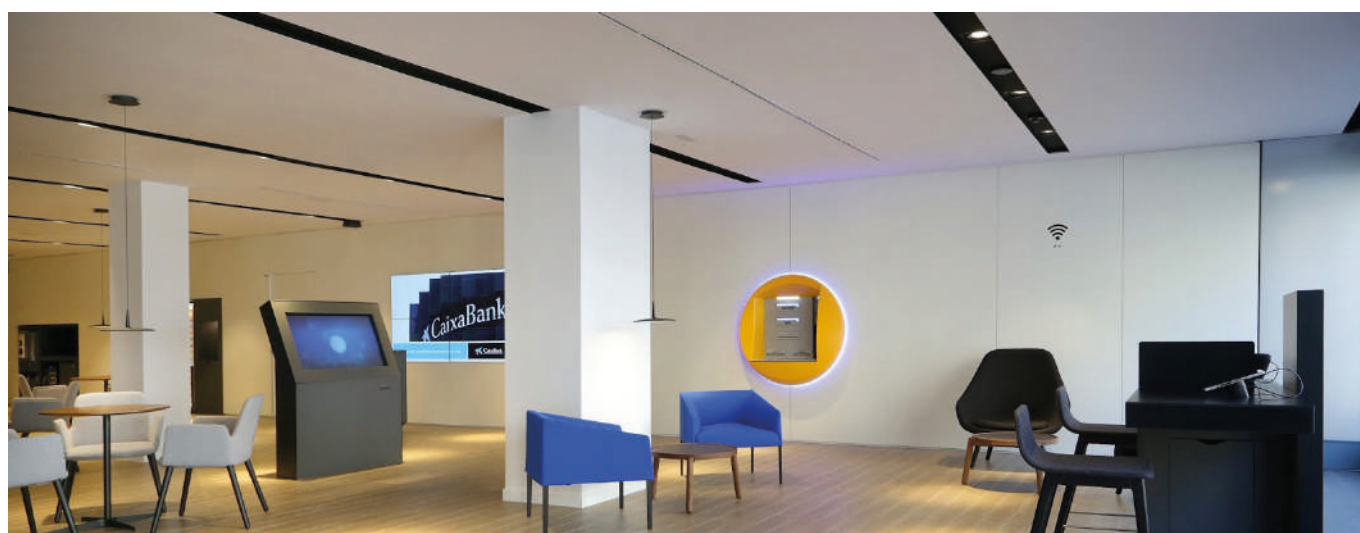
The standard IP40 version is delivered with clear diffuser and chromed reflector. Driver not included.
La versión estándar IP40 se suministra con difusor transparente y reflector cromado. Driver no incluido.

**SPECIFICATIONS
CARACTERÍSTICAS**

UGR <19	IP20 IP40		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C +122°F	
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Downito® 90						
Measures	Ø90 x 95 mm					
Weight	0,7 kg					
8 W (250 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	30° - 690 lm 55° - 655 lm 105° - 615 lm	30° - 742 lm 55° - 705 lm 105° - 662 lm	30° - 776 lm 55° - 738 lm 105° - 691 lm	30° - 809 lm 55° - 770 lm 105° - 720 lm	30° - 985 lm 55° - 940 lm 105° - 880 lm	30° - 587-675 lm 55° - 556-641 lm 105° - 522-602 lm
Luminaire efficiency	77 to 86 lm/W	83 to 93 lm/W	86 to 97 lm/W	90 to 101 lm/W	110 to 123 lm/W	65 to 84 lm/W
12 W (350 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	30° - 920 lm 55° - 875 lm 105° - 819 lm	30° - 960 lm 55° - 914 lm 105° - 855 lm	30° - 1070 lm 55° - 960 lm 105° - 897 lm	30° - 1054 lm 55° - 1003 lm 105° - 938 lm	30° - 1287 lm 55° - 1225 lm 105° - 1145 lm	30° - 782-900 lm 55° - 744-855 lm 105° - 696-802 lm
Luminaire efficiency	68 to 76 lm/W	71 to 80 lm/W	75 to 89 lm/W	78 to 88 lm/W	95 to 107 lm/W	58 to 75 lm/W
19 W (500 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	30° - 1311 lm 55° - 1248 lm 105° - 1168 lm	30° - 1370 lm 55° - 1303 lm 105° - 1221 lm	30° - 1428 lm 55° - 1356 lm 105° - 1270 lm	30° - 1482 lm 55° - 1410 lm 105° - 1320 lm	30° - 1826 lm 55° - 1738 lm 105° - 1650 lm	30° - 1015-1282 lm 55° - 1060-1219 lm 105° - 992-1140 lm
Luminaire efficiency	67 to 69 lm/W	64 to 72 lm/W	67 to 75 lm/W	70 to 78 lm/W	87 to 96 lm/W	52 to 67 lm/W

Downito® 90 Special LEDs					
Measures	Ø90 x 95 mm				
Weight	0,7 kg				
12 W (350 mA)					
Color temperatures	Bakery & Meat 2700K – CRI 86	Fruit & Vegetable 4000K – CRI 96	Fish & Seafood 5000K – CRI 94	White Retail 3000K – CRI> 90	Color Retail 3000K – CRI> 97
Lumens output	30° - 644 lm 55° - 613 lm 105° - 574 lm	30° - 816 lm 55° - 777 lm 105° - 727 lm	30° - 835 lm 55° - 795 lm 105° - 744 lm	30° - 912 lm 55° - 869 lm 105° - 813 lm	30° - 864 lm 55° - 821 lm 105° - 770 lm
Luminaire efficiency	48 to 54 lm/W	61 to 68 lm/W	62 to 70 lm/W	68 to 76 lm/W	64 to 72 lm/W
19 W (500 mA)					
Color temperatures	Bakery & Meat 2700K – CRI 86	Fruit & Vegetable 4000K – CRI 96	Fish & Seafood 5000K – CRI 94	White Retail 3000K – CRI> 90	Color Retail 3000K – CRI> 97
Lumens output	30° - 917 lm 55° - 873 lm 105° - 817 lm	30° - 1165 lm 55° - 1108 lm 105° - 1038 lm	30° - 1192 lm 55° - 1133 lm 105° - 1062 lm	30° - 1302 lm 55° - 1238 lm 105° - 1160 lm	30° - 1233 lm 55° - 1173 lm 105° - 1100 lm
Luminaire efficiency	43 to 48 lm/W	55 to 61 lm/W	56 to 63 lm/W	61 to 69 lm/W	58 to 65 lm/W



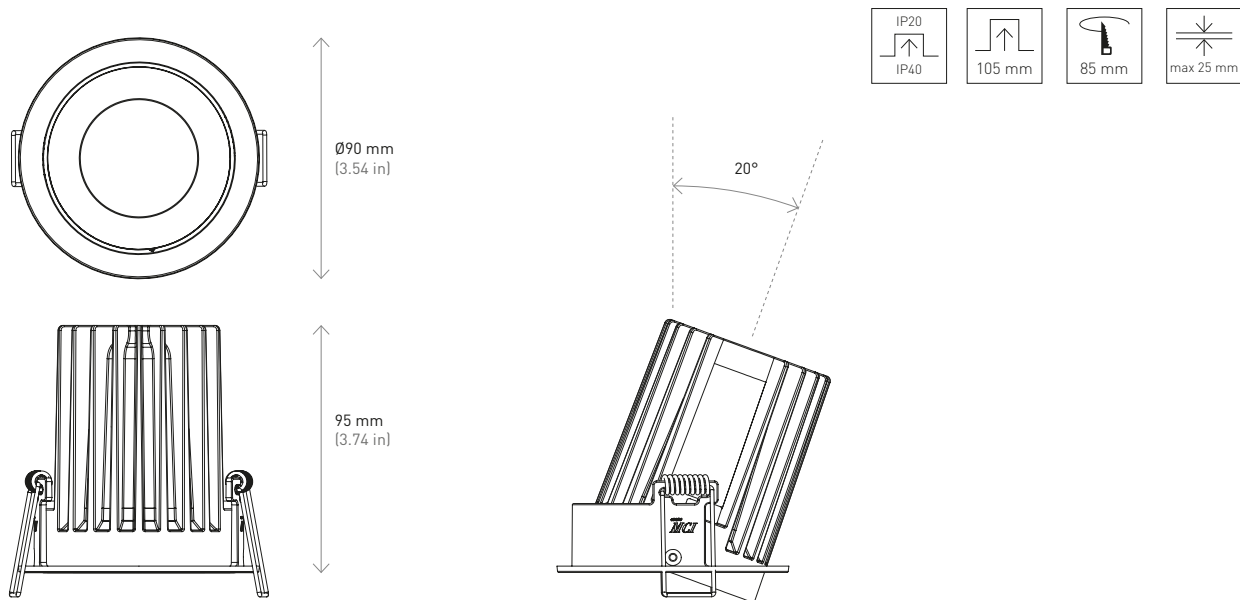
Color temperature conform to **ANSI C78.377A**.
Lumens measurement conform to **LM-79-08**.
Lumens maintenance conform to **LM-80-08**.

Temperatura de color según normativa **ANSI C78.377A**.
Medición lumens según normativa **LM-79-08**.
Mantenimiento lumens según normativa **LM-80-08**.

Store Caixa Bank,
Barcelona, Spain

DOWNITO® 90

MEASURES MEDIDAS



FINISHES ACABADOS

In order to satisfy all our customers, three different finishes are available: white, silver and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, plata y negro.



White.
Blanco. (RAL 9003)



Silver.
Plata. (RAL 9006)



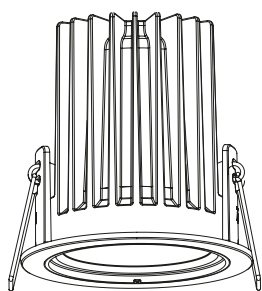
Black.
Negro. (RAL 9011)

DETAILS DETALLES

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



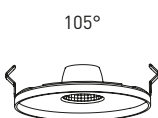
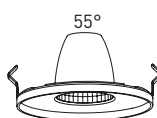
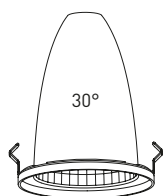
DETAILS
DETALLES



COB



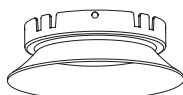
COB holder



Active reflector
(Engineering by Bartenbach)



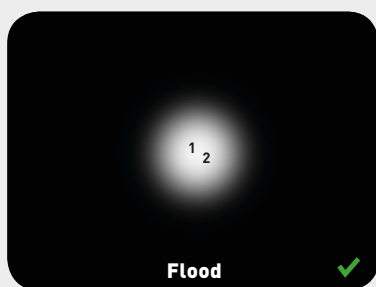
Diffuser (IP40)
Clear and Milky



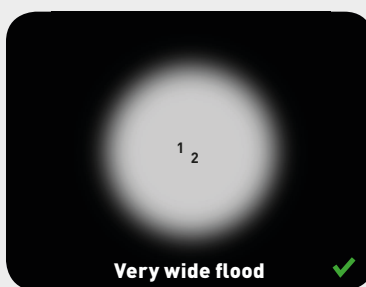
Passive reflector (paintable)



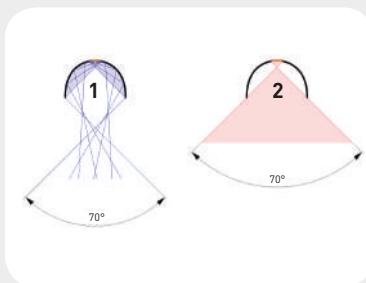
MCI TECHNOLOGY



Flood



Very wide flood



Reflected light (1) + Direct light (2) = **MATCH**
CONCLUSION:
There is no residual light and maximum efficiency.

Luz reflejada (1) + Luz directa (2) = **COINCIDEN**
CONCLUSIÓN:
No hay luz residual y máxima eficiencia.

OTHER TECHNOLOGIES



Halo shapes and low efficiency
Halos y baja eficiencia

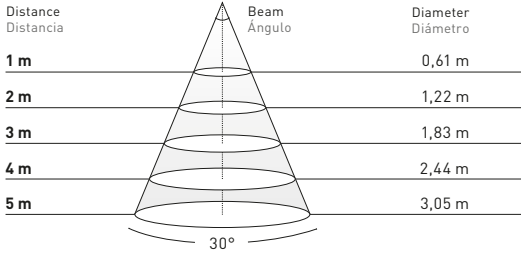


DOWNITO® 90

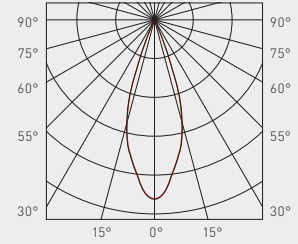
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 90

3500K 30°

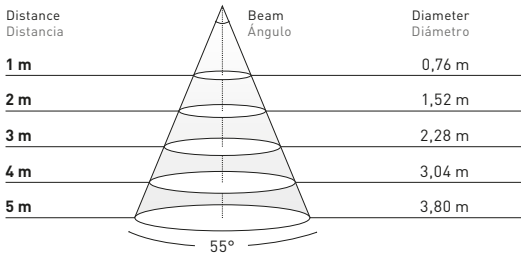


	8 W	12 W	19 W
1 m	1.648 lux	2.182 lux	2.870 lux
2 m	412 lux	546 lux	718 lux
3 m	183 lux	242 lux	319 lux
4 m	103 lux	136 lux	179 lux
5 m	66 lux	87 lux	115 lux

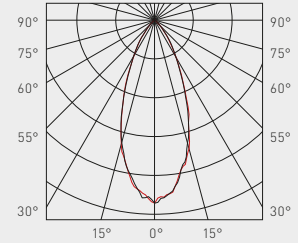


Downito® 90

3500K 55°

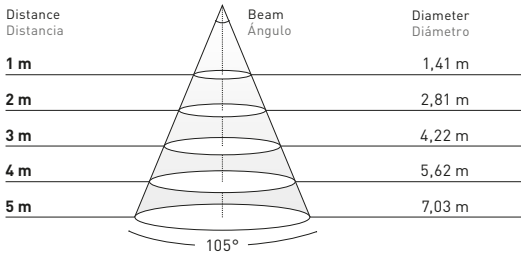


	8 W	12 W	19 W
1 m	742 lux	982 lux	1.292 lux
2 m	185 lux	245 lux	323 lux
3 m	82 lux	109 lux	144 lux
4 m	46 lux	61 lux	81 lux
5 m	30 lux	39 lux	52 lux

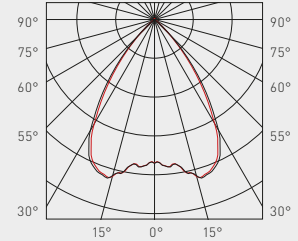


Downito® 90

3500K 105°



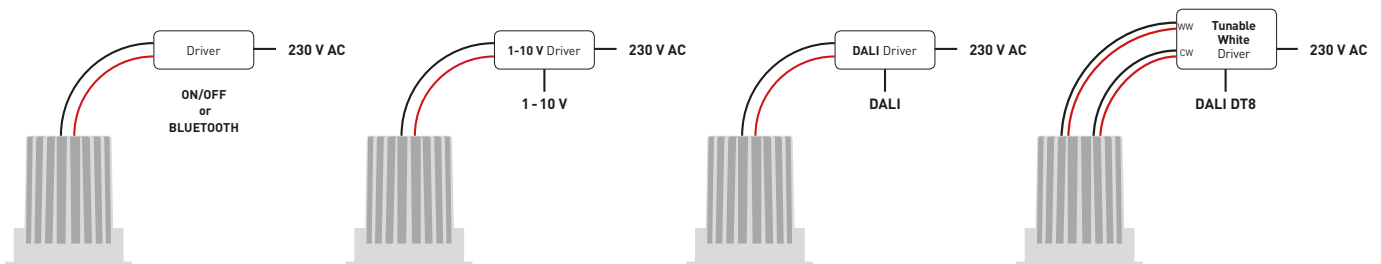
	8 W	12 W	19 W
1 m	316 lux	421 lux	554 lux
2 m	79 lux	105 lux	138 lux
3 m	35 lux	47 lux	62 lux
4 m	20 lux	26 lux	35 lux
5 m	13 lux	17 lux	22 lux



Data calculated with **Downito® 90 (3500K)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Downito® 90 (3500K)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES



REFERENCES
REFERENCIAS

7111 X X X /XX/XX

COLOR COLOR

- /90/2K7 2700K
- /90/3K 3000K
- /90/3K5 3500K
- /90/4K 4000K
- /80/5K 5000K
- /2K7-5K Tunable white
- /86/2K7 Bakery & Meat
- /96/4K Fruit & Vegetable
- /94/5K Fish & Seafood
- /90/3KX White Retail
- /97/3K Color Retail

BEAM ÁNGULO

- 0 30°
- 1 55°
- 2 105°

FINISHES ACABADOS

- 0 Silver Plata
- 2 Black Negro
- 3 White Blanco

TYPE MODELO

- 0 IP20
- 1 IP40

OPTIONS
OPCIONES

The standard version is delivered with:
clear diffuser and chrome reflector.

La versión estándar se suministra con:
difusor transparente y reflector pasivo cromado.

DIFFUSER DIFUSOR (IP40)

- Clear Transparente (Standard)
- Milky Opal

PASSIVE REFLECTOR REFLECTOR PASIVO

- Chrome Cromado (Standard)
- Black Negro
- White Blanco
- Gold Dorado

DRIVERS REFERENCES
REFERENCIAS DRIVERS



Drivers 350mA		
3091007	On-Off Led Driver 350mA 3.5W-15W	Led Driver 350mA 3.5W-15W On-Off
3090771	1-10V Led Driver 350mA 12W	Led Driver 350mA 12W 1-10V
Drivers 500mA		
3090773	On-Off Led Driver 500mA 16W	Led Driver 500mA 16W On-Off
3090774	1-10V Led Driver 500mA 18W	Led Driver 500mA 18W 1-10V
Drivers multi-power		
3090794	On-Off Led Driver Multi-power 22W	Led Driver Multi-power 22W On-Off
3090701	1-10V Led Driver Multi-power 0W-20W	Led Driver Multi-power 0W-20W 1-10V
3090702	DALI Led Driver Multi-power 0W-32W	Led Driver Multi-power 0W-32W DALI
Drivers multi-power Bluetooth		
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee
Driver tunable white		
3091016	DALI DT8 Led Driver 500mA 35W Tunable White	Led Driver 500mA 35W Tunable White DALI DT8

MULTI-POWER DRIVER CONNECTIONS TABLE
TABLA DE CONEXIONES DRIVER MULTI-POWER

		250 mA	350 mA	500 mA
3090794	On/off	8 W	12 W	19 W
3090701	1-10 V	-	12 W	19 W
3090702	DALI	-	12 W	19 W



To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Anpa arquitectura,
Barcelona, Spain





DOWNITO® 90

TRIMLESS

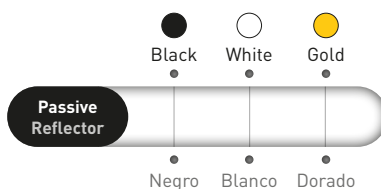
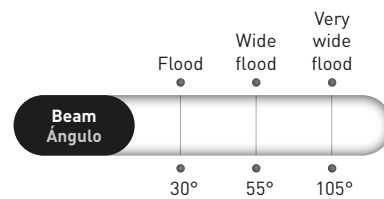
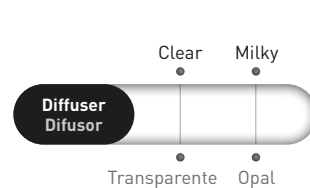
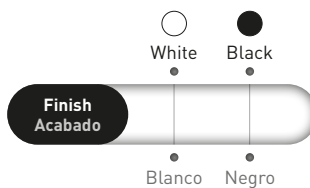
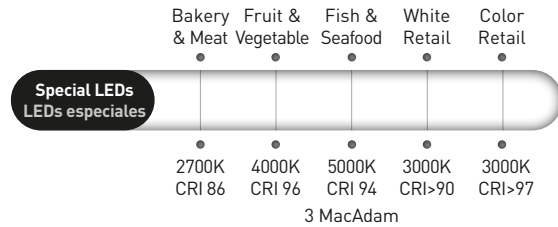
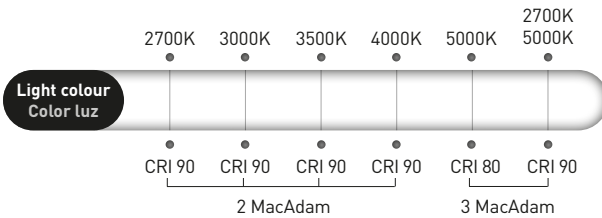
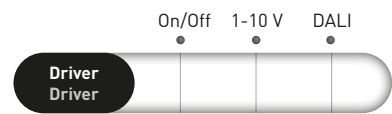
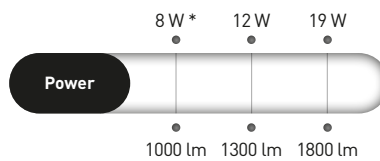
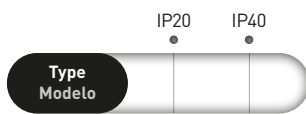


DOWNITO®90

TRIMLESS

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- Multi-power downlight, from 8 W to 19 W
- Luminous flux range from 600 lm to 1800 lm
- Luminaire efficiency 120 lm/W
- 3 beam angles: 30°, 55° and 105°
- Excellent integration with trimless models
- Special LEDs to improve the food and retail colors
- Accessories available: diffuser clear and opal

- Downlight LED para iluminación de acento
- Reflector inteligente: activo + pasivo (pintable)
- Downlight multi-power, de 8 W a 19 W
- Flujos lumínicos de 600 lm a 1800 lm
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- 3 ángulos de apertura: 30°, 55° y 105°
- Integración perfecta con los modelos trimless
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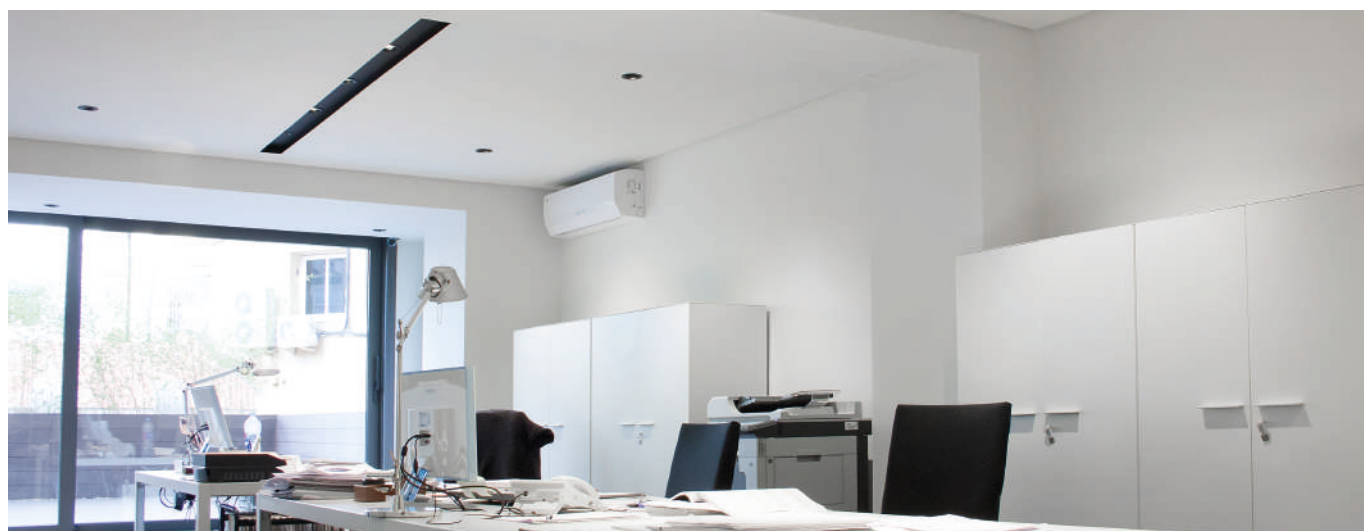
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CARACTERÍSTICAS

UGR <19	IP20 IP40		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C max +122°F	
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Luminaire efficiency	77 to 86 lm/W	83 to 93 lm/W	86 to 97 lm/W	90 to 101 lm/W	110 to 123 lm/W	65 to 84 lm/W
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Downito® 90 TRIMLESS Special LEDs					
Measures	Ø90 x 95 mm				
Weight	0,7 kg				
12 W (350 mA)					
Color temperatures	Bakery & Meat 2700K - CRI 86	Fruit & Vegetable 4000K - CRI 96	Fish & Seafood 5000K - CRI 94	White Retail 3000K - CRI > 90	Color Retail 3000K - CRI > 97
Lumens output	30° - 644 lm 55° - 613 lm 105° - 574 lm	30° - 816 lm 55° - 777 lm 105° - 727 lm	30° - 835 lm 55° - 795 lm 105° - 744 lm	30° - 912 lm 55° - 869 lm 105° - 813 lm	30° - 864 lm 55° - 821 lm 105° - 770 lm
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Color temperatures	Bakery & Meat 2700K - CRI 86	Fruit & Vegetable 4000K - CRI 96	Fish & Seafood 5000K - CRI 94	White Retail 3000K - CRI > 90	Color Retail 3000K - CRI > 97
Lumens output	30° - 917 lm 55° - 873 lm 105° - 817 lm	30° - 1165 lm 55° - 1108 lm 105° - 1038 lm	30° - 1192 lm 55° - 1133 lm 105° - 1062 lm	30° - 1302 lm 55° - 1238 lm 105° - 1160 lm	30° - 1233 lm 55° - 1173 lm 105° - 1100 lm
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Color temperature conform to **ANSI C78.377A**.
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Lumens maintenance conform to **LM-80-08**.

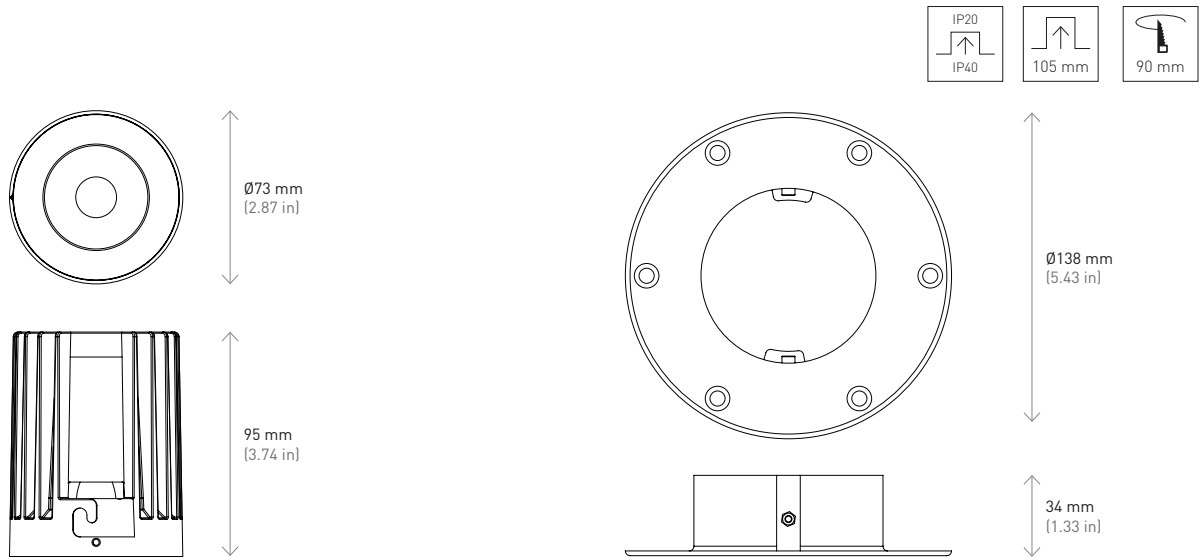
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Anpa arquitectura,
Barcelona, Spain

DOWNITO® 90

TRIMLESS

MEASURES MEDIDAS



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White.
Blanco.

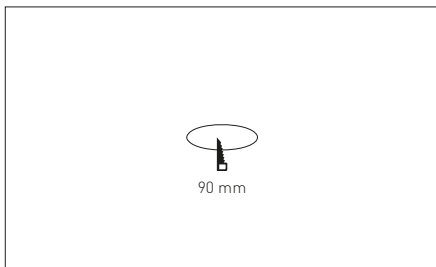
(RAL 9003)



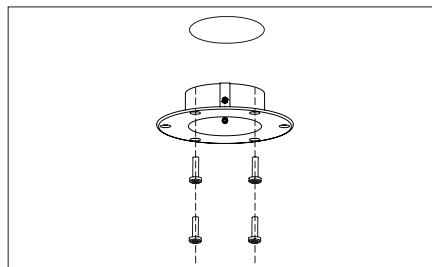
Black.
Negro.

(RAL 9011)

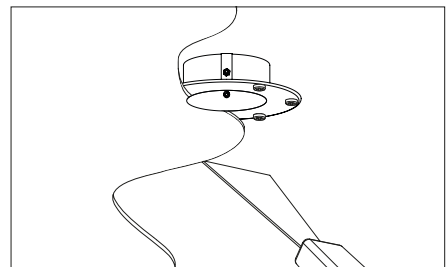
INSTALLATION INSTALACIÓN



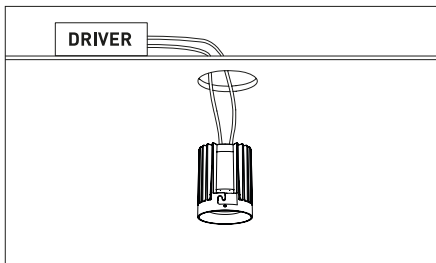
Make the hole
Efectúe el orificio



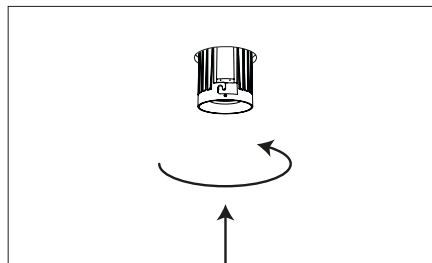
Fix the plasterboard recessed box with the screws
Fije el cajetín de empotrar con los tornillos



Plane with plaster
Enrasar con yeso

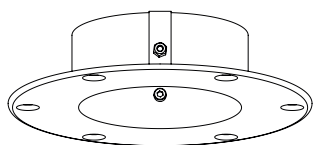


Connect the luminaire to the power supply
Conecte la luminaria a la fuente de alimentación

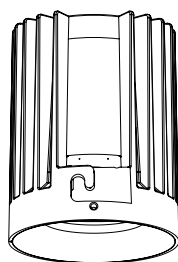


Place up and spind around
Subir y girar

DETAILS
DETALLES



Plasterboard
recessing frame Plasterboard



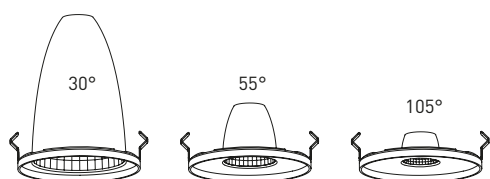
Trimless
body



COB



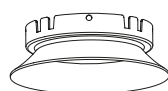
COB holder



Active reflector
(Engineering by Bartenbach)



Diffuser (IP40)
Clear and Milky



Passive reflector (paintable)



DETAILS
DETALLES

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



DOWNITO® 90

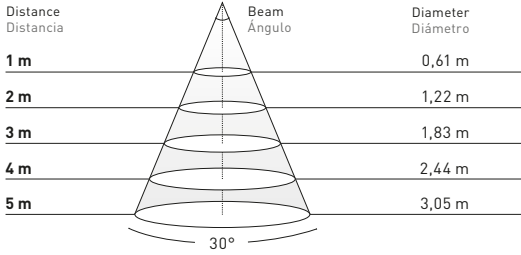
TRIMLESS

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

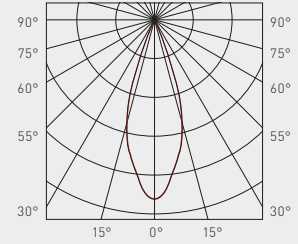
Downito® 90 Trimless

3500K

30°



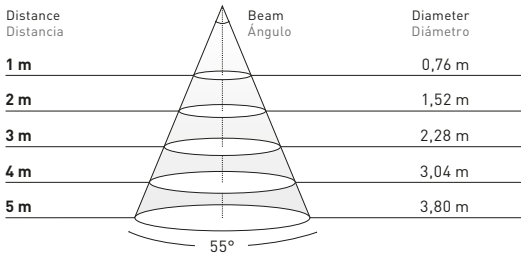
	8 W	12 W	19 W
1 m	1.648 lux	2.182 lux	2.870 lux
2 m	412 lux	546 lux	718 lux
3 m	183 lux	242 lux	319 lux
4 m	103 lux	136 lux	179 lux
5 m	66 lux	87 lux	115 lux



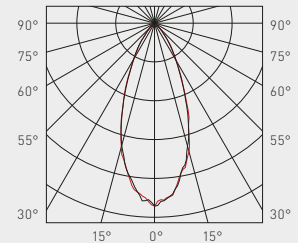
Downito® 90 Trimless

3500K

55°



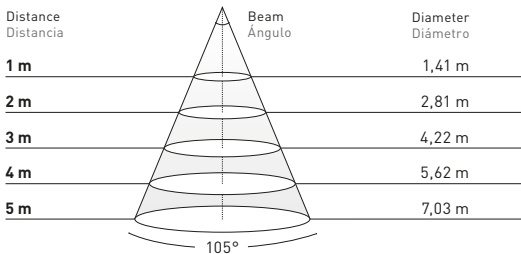
	8 W	12 W	19 W
1 m	742 lux	982 lux	1.292 lux
2 m	185 lux	245 lux	323 lux
3 m	82 lux	109 lux	144 lux
4 m	46 lux	61 lux	81 lux
5 m	30 lux	39 lux	52 lux



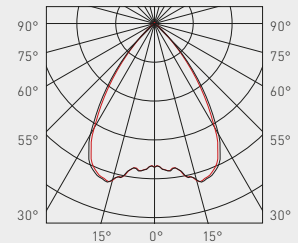
Downito® 90 Trimless

3500K

105°



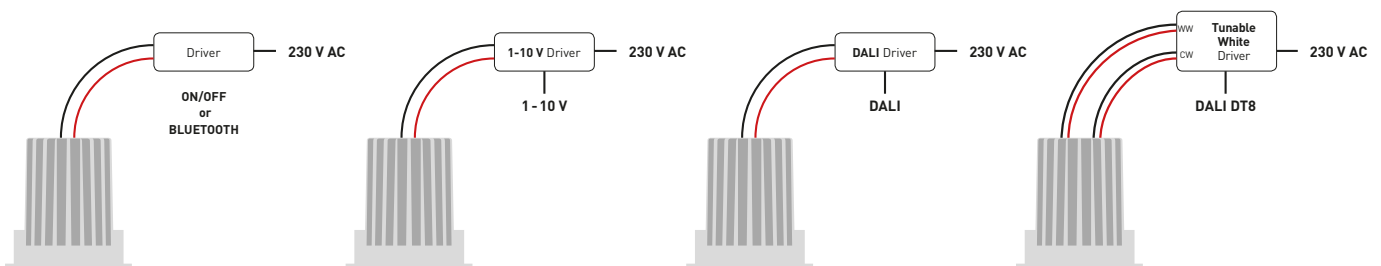
	8 W	12 W	19 W
1 m	316 lux	421 lux	554 lux
2 m	79 lux	105 lux	138 lux
3 m	35 lux	47 lux	62 lux
4 m	20 lux	26 lux	35 lux
5 m	13 lux	17 lux	22 lux



Data calculated with **Downito® 90 (3500K)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Downito® 90 (3500K)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES



REFERENCES
REFERENCIAS

7111 X X X /XX/XX

COLOR COLOR

/90/2K7	2700K
/90/3K	3000K
/90/3K5	3500K
/90/4K	4000K
/80/5K	5000K
/2K7-5K	Tunable white
/86/2K7	Bakery & Meat
/96/4K	Fruit & Vegetable
/94/5K	Fish & Seafood
/90/3KX	White Retail
/97/3K	Color Retail

BEAM ÁNGULO

0	30°
1	55°
2	105°

FINISHES ACABADOS

6	Trimless Black	Trimless Negro
7	Trimless White	Trimless Blanco

TYPE MODELO

0	IP20
1	IP40

OPTIONS
OPCIONES

The standard version is delivered with:
clear diffuser and chrome reflector.

La versión estándar se suministra con:
difusor transparente y reflector pasivo cromado.

DIFFUSER DIFUSOR (IP40)

Clear	Transparente	(Standard)
Milky	Opal	

PASSIVE REFLECTOR REFLECTOR PASIVO

Chrome	Cromado	(Standard)
Black	Negro	
White	Blanco	
Gold	Dorado	

PLASTERBOARD RECESSING FRAME
CAJETÍN DE EMPOTRAR TRIMLESS



7111009/C02 Plasterboard recessing frame
Cajetín de empotrar trimless

DRIVERS REFERENCES
REFERENCIAS DRIVERS



Drivers 350mA		
3091007	On-Off Led Driver 350mA 3.5W-15W	Led Driver 350mA 3.5W-15W On-Off
3090771	1-10V Led Driver 350mA 12W	Led Driver 350mA 12W 1-10V
Drivers 500mA		
3090773	On-Off Led Driver 500mA 16W	Led Driver 500mA 16W On-Off
3090774	1-10V Led Driver 500mA 18W	Led Driver 500mA 18W 1-10V
Drivers multi-power		
3090794	On-Off Led Driver Multi-power 22W	Led Driver Multi-power 22W On-Off
3090701	1-10V Led Driver Multi-power 0W-20W	Led Driver Multi-power 0W-20W 1-10V
3090702	DALI Led Driver Multi-power 0W-32W	Led Driver Multi-power 0W-32W DALI
Drivers multi-power Bluetooth		
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee
Driver tunable white		
3091016	DALI DT8 Led Driver 500mA 35W Tunable White	Led Driver 500mA 35W Tunable White DALI DT8

MULTI-POWER DRIVER CONNECTIONS TABLE
TABLA DE CONEXIONES DRIVER MULTI-POWER

		250 mA	350 mA	500 mA
3090794	On/off	8 W	12 W	19 W
3090701	1-10 V	-	12 W	19 W
3090702	DALI	-	12 W	19 W



DIP switch

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Room Mate Anna Hotel,
Barcelona, Spain





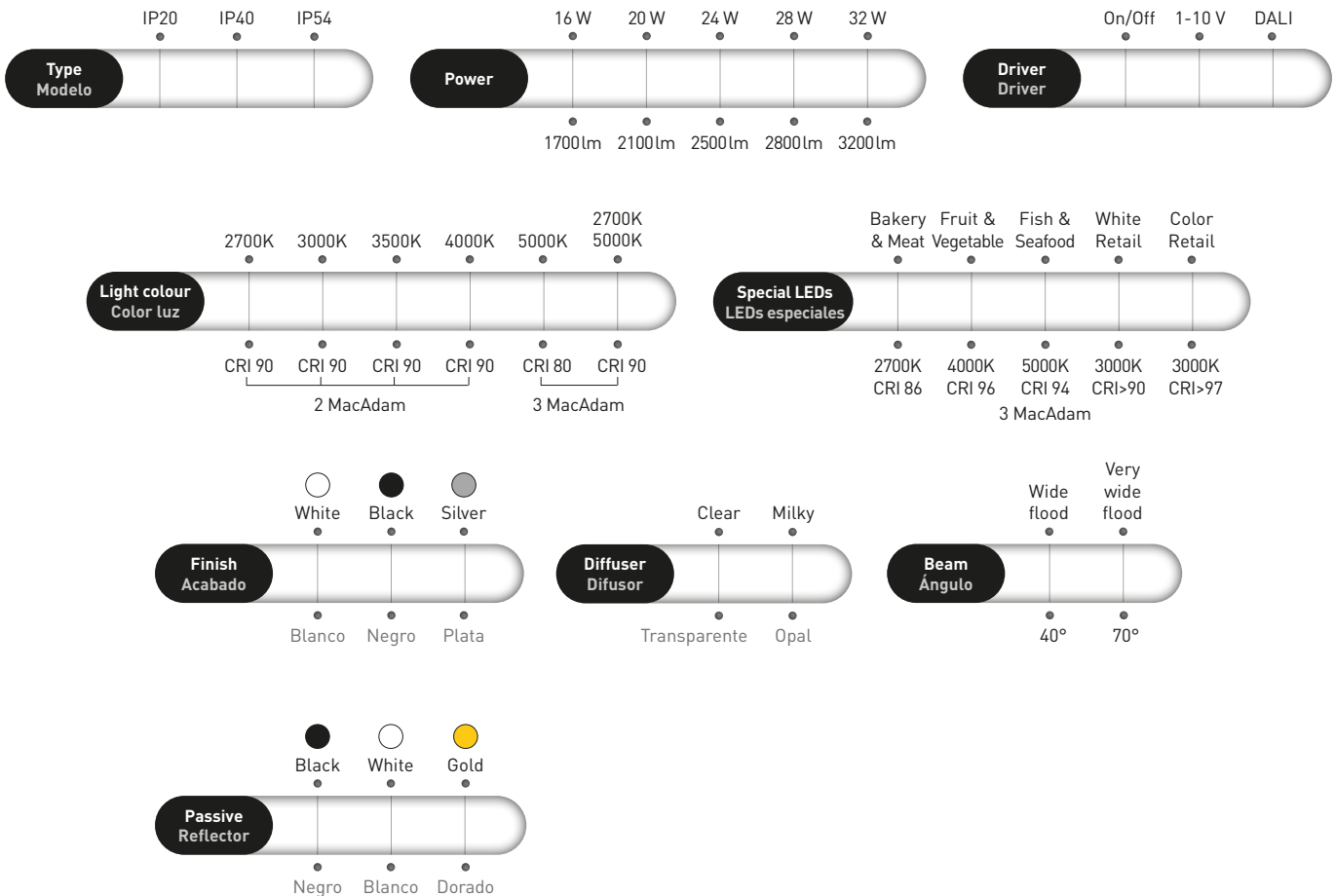
DOWNITO® 110



DOWNITO®110

- LED downlight for ambient lighting
- Smart reflector: active + passive (paintable)
- Multi-power downlight, from 16 W to 32 W
- Luminous flux range from 1200 lm to 3200 lm
- Luminaire efficiency 110 lm/W
- 2 beam angles: 40° and 70°
- Special LEDs to improve the food and retail colors
- IP20, IP40 and IP54
- Accessories available: diffuser clear y opal

- Downlight LED para iluminación ambiental
- Reflector Smart: activo + pasivo (pintable)
- Downlight Multi-power, de 16 W a 32 W
- Flujos lumínicos de 1200 lm a 3200 lm
- Eficiencia de la luminaria 110 lm/W
- 2 ángulos de apertura: 40° y 70°
- IP20, IP40 y IP54
- LEDs especiales para potenciar los colores en alimentación y retail
- Accesorios disponibles: difusor transparente y opal



The standard IP20 version is delivered with chromed reflector. Driver not included.
La versión estándar IP20 se suministra con reflector cromado. Driver no incluido.

The standard IP40 an IP54 versions are delivered with clear diffuser and chromed reflector. Driver not included.
Las versiones estándar IP40 y P54 se suministran con difusor transparente y reflector cromado. Driver no incluido.

**SPECIFICATIONS
CARACTERÍSTICAS**

UGR <19	IP20 IP40 IP54		on/off	DALI	1-10V	Driver Not Included	AL Housing	Ta min -20°C -4°F Ta max +50°C max +122°F	
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Downito® 110						
Measures	Ø110 x 100 mm					
Weight	0,8 kg					
16 W (500 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	40° - 1270 lm 70° - 1175 lm	40° - 1310 lm 70° - 1215 lm	40° - 1368 lm 70° - 1269 lm	40° - 1425 lm 70° - 1320 lm	40° - 1760 lm 70° - 1625 lm	40° - 1143-1315 lm 70° - 1058-1216 lm
Luminaire efficiency	73 to 79 lm/W	76 to 82 lm/W	79 to 85 lm/W	82 to 89 lm/W	102 to 110 lm/W	66 to 84 lm/W
20 W (600 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	40° - 1520 lm 70° - 1405 lm	40° - 1575 lm 70° - 1460 lm	40° - 1643 lm 70° - 1520 lm	40° - 1710 lm 70° - 1580 lm	40° - 2106 lm 70° - 1948 lm	40° - 1368-1573 lm 70° - 1265-1454 lm
Luminaire efficiency	70 to 76 lm/W	73 to 79 lm/W	76 to 82 lm/W	79 to 86 lm/W	98 to 105 lm/W	63 to 79 lm/W
24 W (700 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	40° - 1775 lm 70° - 1645 lm	40° - 1835 lm 70° - 1700 lm	40° - 1915 lm 70° - 1773 lm	40° - 1995 lm 70° - 1845 lm	40° - 2460 lm 70° - 2275 lm	40° - 1598-1837 lm 70° - 1480-1703 lm
Luminaire efficiency	68 to 74 lm/W	70 to 76 lm/W	74 to 80 lm/W	73 to 83 lm/W	95 to 103 lm/W	62 to 77 lm/W
28 W (800 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	40° - 2026 lm 70° - 1895 lm	40° - 2095 lm 70° - 1942 lm	40° - 2185 lm 70° - 2024 lm	40° - 2275 lm 70° - 2106 lm	40° - 2810 lm 70° - 2600 lm	40° - 1824-2098 lm 70° - 1705-1962 lm
Luminaire efficiency	68 to 72 lm/W	70 to 75 lm/W	72 to 78 lm/W	75 to 81 lm/W	93 to 100 lm/W	61 to 75 lm/W
32 W (900 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	40° - 2280 lm 70° - 2110 lm	40° - 2360 lm 70° - 2185 lm	40° - 2455 lm 70° - 2277 lm	40° - 2560 lm 70° - 2370 lm	40° - 3160 lm 70° - 2923 lm	40° - 2052-2340 lm 70° - 1899-2165 lm
Luminaire efficiency	66 to 71 lm/W	68 to 74 lm/W	71 to 77 lm/W	74 to 80 lm/W	91 to 99 lm/W	59 to 73 lm/W

Downito® 110 Special LEDs					
Measures	Ø110 x 100 mm				
Weight	0,8 kg				
24 W (700 mA)					
Color temperatures	Bakery & Meat 2700K – CRI 86	Fruit & Vegetable 4000K – CRI 96	Fish & Seafood 5000K – CRI 94	White Retail 3000K – CRI > 90	Color Retail 3000K – CRI > 97
Lumens output	40° - 1331 lm 70° - 1234 lm	40° - 1552 lm 70° - 1438 lm	40° - 1604 lm 70° - 1513 lm	40° - 1743 lm 70° - 1615 lm	40° - 1652 lm 70° - 1530 lm
Luminaire efficiency	51 to 55 lm/W	60 to 65 lm/W	63 to 67 lm/W	67 to 73 lm/W	64 to 69 lm/W
32 W (900 mA)					
Color temperatures	Bakery & Meat 2700K – CRI 86	Fruit & Vegetable 4000K – CRI 96	Fish & Seafood 5000K – CRI 94	White Retail 3000K – CRI > 90	Color Retail 3000K – CRI > 97
Lumens output	40° - 1710 lm 70° - 1583 lm	40° - 1997 lm 70° - 1848 lm	40° - 2063 lm 70° - 1910 lm	40° - 2242 lm 70° - 2076 lm	40° - 2124 lm 70° - 1966 lm
Luminaire efficiency	49 to 53 lm/W	58 to 63 lm/W	60 to 64 lm/W	65 to 70 lm/W	61 to 66 lm/W



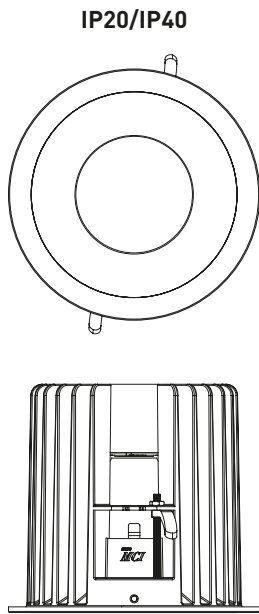
“Great Amber” Concert Hall,
Liepaja, Latvia

Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

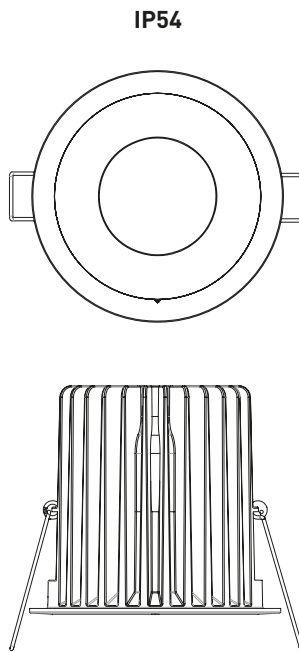
DOWNITO® 110

MEASURES MEDIDAS



Ø110 mm
(4.33 in)

100 mm
(3.93 in)



Ø110 mm
(4.33 in)

100 mm
(3.93 in)



FINISHES ACABADOS

In order to satisfy all our customers, three different finishes are available: white, silver and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, plata y negro.



White.
Blanco.

(RAL 9003)



Silver.
Plata.

(RAL 9006)



Black.
Negro.

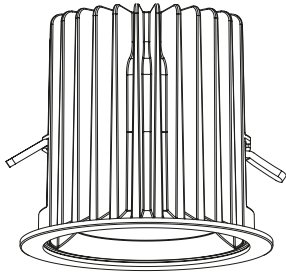
(RAL 9011)

DETAILS DETALLES

Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



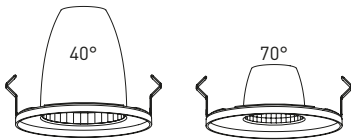
DETAILS
DETALLES



COB



COB holder



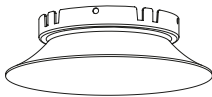
Active reflector
(Engineering by Bartenbach)



Diffuser (IP40)
Clear and Milky



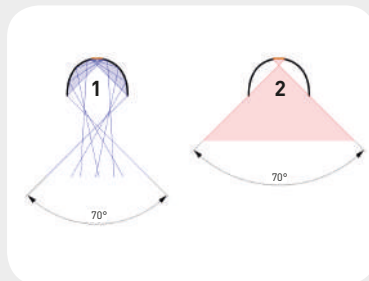
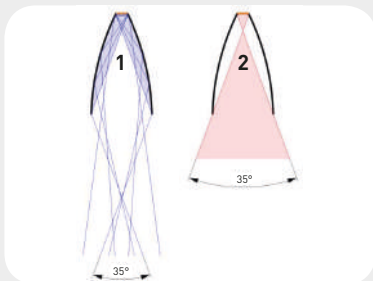
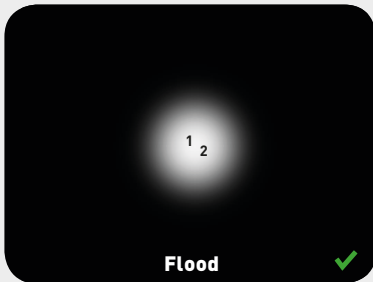
Gasket (IP54)



Passive reflector (paintable)



MCI TECHNOLOGY



Reflected light (1) + Direct light (2) = **MATCH**

CONCLUSION:

There is no residual light and maximum efficiency.

Luz reflejada (1) + Luz directa (2) = **COINCIDEN**

CONCLUSIÓN:

No hay luz residual y máxima eficiencia.

OTHER TECHNOLOGIES



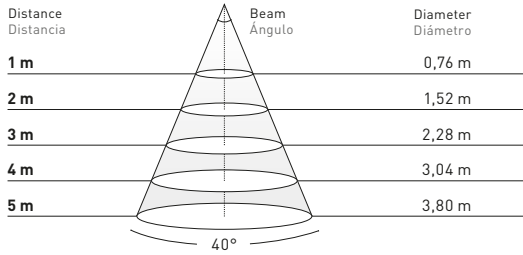
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 110

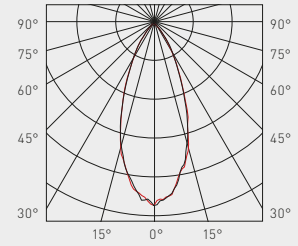
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 110

3500K 40°

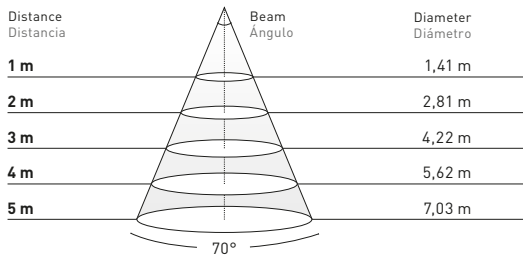


	16 W	24 W	32 W
1 m	1.418 lux	1.984 lux	2.551 lux
2 m	355 lux	496 lux	638 lux
3 m	158 lux	220 lux	283 lux
4 m	89 lux	124 lux	159 lux
5 m	57 lux	79 lux	102 lux

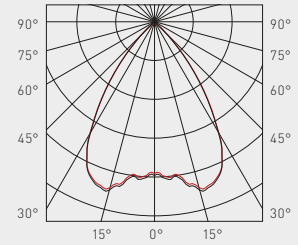


Downito® 110

3500K 70°



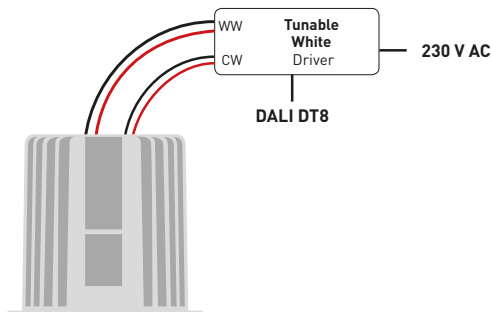
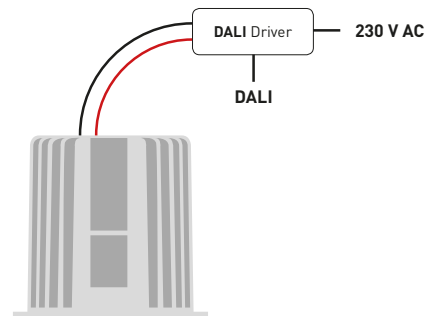
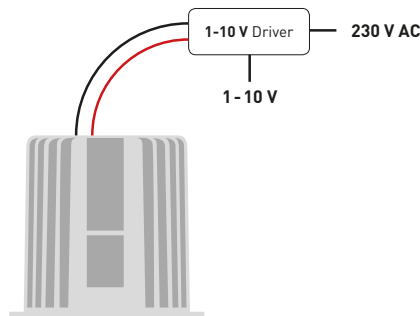
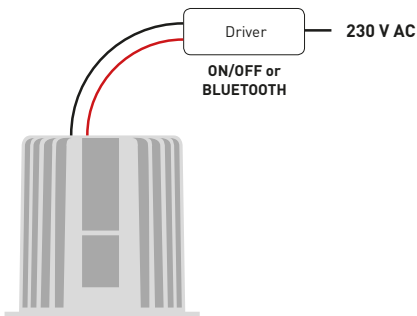
	16 W	24 W	32 W
1 m	600 lux	840 lux	1.079 lux
2 m	150 lux	210 lux	270 lux
3 m	67 lux	93 lux	120 lux
4 m	38 lux	53 lux	67 lux
5 m	24 lux	34 lux	43 lux



Data calculated with **Downito® 110 (3500K)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Downito® 110 (3500K)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES



REFERENCES
REFERENCIAS

7112 X X X /XX/XX

COLOR COLOR

- /90/2K7 2700K
- /90/3K 3000K
- /90/3K5 3500K
- /90/4K 4000K
- /80/5K 5000K
- /2K7-5K Tunable white
- /86/2K7 Bakery & Meat
- /96/4K Fruit & Vegetable
- /94/5K Fish & Seafood
- /90/3KX White Retail
- /97/3K Color Retail

BEAM ÁNGULO

- 1 40°
- 2 70°

FINISHES ACABADOS

- 0 Silver Plata
- 2 Black Negro
- 3 White Blanco

TYPE MODELO

- 0 IP20
- 1 IP40
- 2 IP54

OPTIONS
OPCIONES

The standard version is delivered with:
clear diffuser and chrome reflector.

La versión estándar se suministra con:
difusor transparente y reflector pasivo cromado.

DIFFUSER DIFUSOR (IP40/IP54)

- Clear Transparente (Standard)
- Milky Opal

PASSIVE REFLECTOR REFLECTOR PASIVO

- Chrome Cromado (Standard)
- Black Negro
- White Blanco
- Gold Dorado

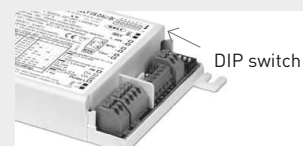
DRIVERS REFERENCES
REFERENCIAS DRIVERS



Drivers 500mA			
3090773	On-Off Led Driver 500mA 16W	Led Driver 500mA 16W On-Off	
3090774	1-10V Led Driver 500mA 18W	Led Driver 500mA 18W 1-10V	1
Drivers 700mA			
3091009	On-Off Led Driver 700mA 3.5W-30W	Led Driver 700mA 3.5W-30W On-Off	
3090777	1-10V Led Driver 700mA 24W	Led Driver 700mA 24W 1-10V	
Drivers 900mA			
3090779	On-Off Led Driver 900mA 32W	Led Driver 900mA 32W On-Off	2
3090780	1-10V Led Driver 900mA 32W	Led Driver 900mA 32W 1-10V	
Drivers multi-power			
3091012	On-Off Led Driver Multi-power 300mA-1050mA 13W-40W	Led Driver Multi-power 300mA-1050mA 13W-40W On-Off	
3090704	DALI / 1-10V / PUSH Led Driver Multi-power Max.50W	Led Driver Multi-power Max.50W DALI / 1-10V / PUSH	3
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	4
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	5
Driver tunable white			
3091017	DALI DT8 Led Driver 900mA 45W Tunable White	Led Driver 900mA 45W Tunable White DALI DT8	6

MULTI-POWER DRIVER CONNECTIONS TABLE
TABLA DE CONEXIONES DRIVER MULTI-POWER

		500 mA	550 mA	600 mA	650 mA	700 mA	750 mA	800 mA	850 mA	900 mA
3091012	On/off	16 W	18 W	20 W	22 W	24 W	26 W	28 W	30 W	32 W
3090704	1-10 V / DALI	16 W	18 W	-	22 W	24 W	26 W	-	30 W	32 W



To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Kaskazuri restaurant,
San Sebastián, Spain





LINEAR FLEX®

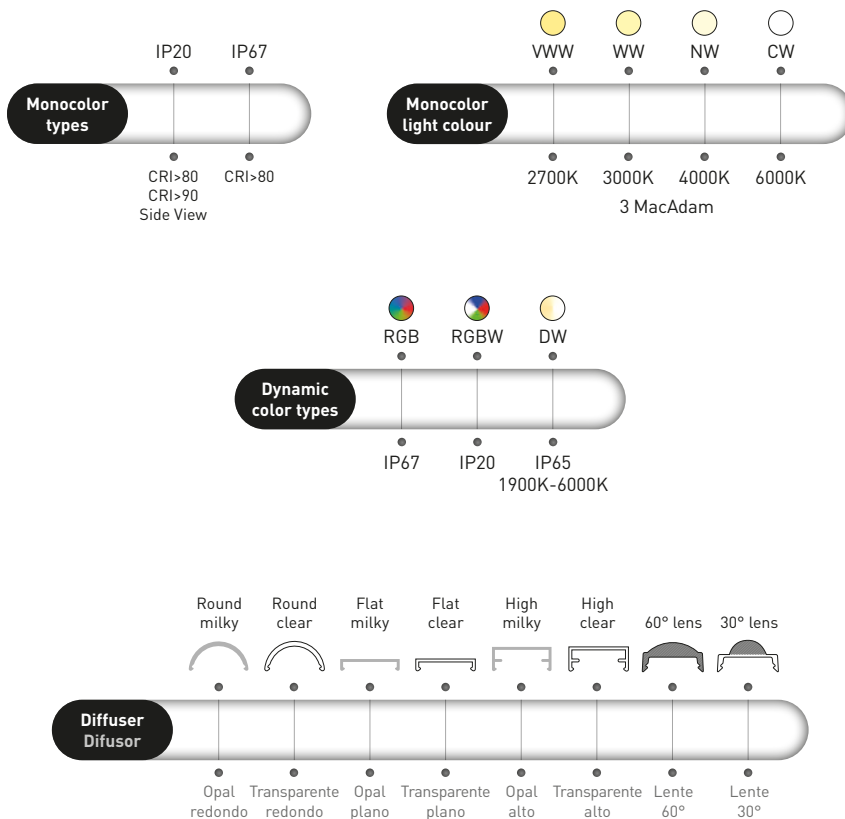
3 MacAdam



LINEAR FLEX®

3 MacAdam

- Cove lighting and other applications
 - 3 MacAdam: chromatic stability control
 - 4 color temperature: 2700K, 3000K, 4000K and 6000K
 - CRI>90, RGB, RGBW, DW and side view types
 - Wide range of powers, from 4,8W/m to 33,6W/m
 - Dimmable flexible strip
 - Up to 3074 lm/m
 - It can be cut on size at site
 - IP20 (5 years warranty) and IP65 / IP67 (3 years warranty)
 - Accessories: aluminum profile, diffuser and lenses
- Iluminación de foseados y otras aplicaciones
 - 3 MacAdam: control de la estabilidad cromática
 - 4 temperaturas de color: 2700K, 3000K, 4000K y 6000K
 - Modelos CRI>90, RGB, RGBW, DW y side view
 - Gran variedad de potencias, de 4,8W/m a 33,6W/m
 - Tiras flexibles dimerizables
 - Hasta 3074 lm/W
 - Se puede cortar a medida en la obra
 - IP20 (5 años de garantía) e IP65 / IP67 (3 años de garantía)
 - Perfil de aluminio, difusores y lentes como accesorios



SPECIFICATIONS
CARACTERÍSTICAS



Linear Flex®													
	Color (K)	Bin (±K)	CRI*	lm/m (lm)	lm/W (lm)	Nº of LEDs/m	LED Pitch (mm)	Cutting Length (mm)	W/Reel (W)	Length (m)	Width (mm)	IP	Product References
Linear Flex® Monocolor IP20													
4,8 W/m	2700K	50	>80	284 lm	59	60	16,6	100	20W	5m	8	20	7260000/80/2K7
	3000K	75		291 lm	61								7260000/80/3K
	4000K	125		304 lm	63								7260000/80/4K
	6000K	200		330 lm	69								7260000/80/6K
9,6 W/m	2700K	50	>80	1011 lm	105	84	11,9	71	39W	5m	8	20	7260010/80/2K7
	3000K	75		1035 lm	108								7260010/80/3K
	4000K	125		1082 lm	113								7260010/80/4K
	6000K	200		1170 lm	122								7260010/80/6K
14,4 W/m	2700K	50	>80	1458 lm	101	120	8,3	50	58W	5m	8	20	7260020/80/2K7
	3000K	75		1488 lm	103								7260020/80/3K
	4000K	125		1550 lm	108								7260020/80/4K
	6000K	200		1680 lm	117								7260020/80/6K
24 W/m	2700K	50	>80	1889 lm	79	120	8,3	50	96W	5m	8	20	7260030/80/2K7
	3000K	75		1933 lm	81								7260030/80/3K
	4000K	125		2021 lm	84								7260030/80/4K
	6000K	200		2196 lm	92								7260030/80/6K
33,6 W/m	2700K	50	>80	2644 lm	79	168	5,9	36	81W	3m	8	20	7260040/80/2K7
	3000K	75		2705 lm	81								7260040/80/3K
	4000K	125		2828 lm	84								7260040/80/4K
	6000K	200		3074 lm	91								7260040/80/6K
Linear Flex® Monocolor CRI>90													
14,4 W/m	2700K	50	>90	825 lm	57	120	8,3	50	58W	5m	8	20	7260020/90/2K7
	3000K	75		865 lm	60								7260020/90/3K
	4000K	125		904 lm	63								7260020/90/4K
24 W/m	2700K	50	>90	1402 lm	58	240	4,1	25	96W	5m	10	20	7260030/90/2K7
	3000K	75		1500 lm	63								7260030/90/3K
	4000K	125		1630 lm	68								7260030/90/4K
Linear Flex® Monocolor Side View													
9,6 W/m	2700K	50	>80	826 lm	86	120	8,3	50	38,4W	5m	8	20	7261020/80/2K7
	3000K	75		845 lm	88								7261020/80/3K
	4000K	125		884 lm	92								7261020/80/4K
Linear Flex® Monocolor IP67													
4,8 W/m	2700K	50	>80	267 lm	56	60	16,6	100	20W	5m	10	67	7260003/80/2K7
	3000K	75		273 lm	57								7260003/80/3K
	4000K	125		285 lm	59								7260003/80/4K
	6000K	200		310 lm	65								7260003/80/6K
9,6 W/m	2700K	50	>80	951 lm	99	84	11,9	71	39W	5m	10	67	7260013/80/2K7
	3000K	75		973 lm	101								7260013/80/3K
	4000K	125		1017 lm	106								7260013/80/4K
	6000K	200		1106 lm	115								7260013/80/6K
14,4 W/m	2700K	50	>80	1269 lm	88	120	8,3	50	58W	5m	10	67	7260023/80/2K7
	3000K	75		1295 lm	90								7260023/80/3K
	4000K	125		1348 lm	96								7260023/80/4K
	6000K	200		1462 lm	102								7260023/80/6K
24 W/m	2700K	50	>80	1760 lm	73	120	8,3	50	96W	5m	10	67	7260033/80/2K7
	3000K	75		1800 lm	75								7260033/80/3K
	4000K	125		1999 lm	83								7260033/80/4K
	6000K	200		2021 lm	84								7260033/80/6K
Linear Flex® Dynamic Colors													
RGB / 14,4 W/m	RGB	-	-	R+G+B: 505 lm R:101 lm / G:328 lm / B:76 lm	35	60	16,6	100	58W	5m	12	67	7260203/11
RGBW / 16,32 W/m	RGBW (6000K)	-	>80	R+G+B+W: 900 lm R:180 lm / G:350 lm / B:70 lm / W:300 lm	38	120	16,6	100	66W	5m	12	20	7260220/11-6K
DW / 19,2 W/m	1.900K-6.000K	250	>90	1900K:840 lm / 6000K:1080 lm	100	240	8,3	50	77W	5m	12	65	7260222/11K9-6K

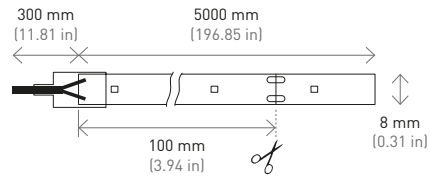
Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

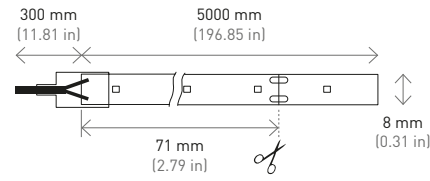
MEASURES MEDIDAS

IP20

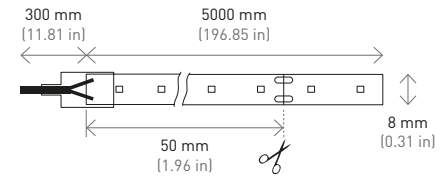
4,8W/m (60 LEDs/m)



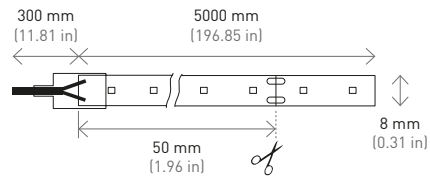
9,6W/m (84 LEDs/m)



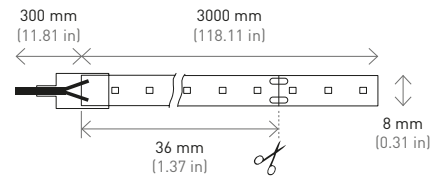
14,4W/m (120 LEDs/m)



24W/m (120 LEDs/m)

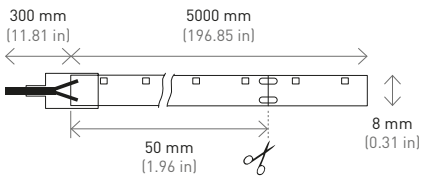


33,6W/m (168 LEDs/m)



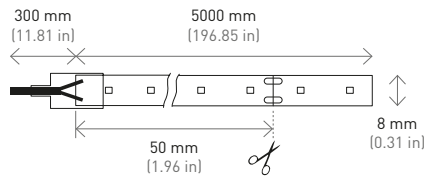
SIDE VIEW

9,6W/m (120 LEDs/m)

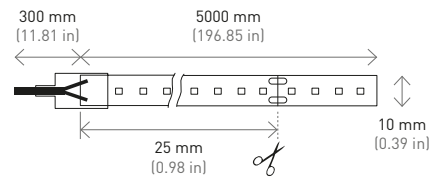


CRI>90

14,4W/m (120 LEDs/m)

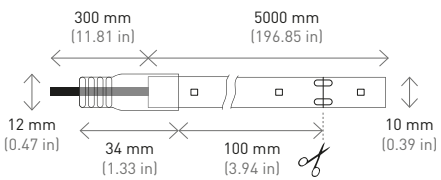


24W/m (240 LEDs/m)

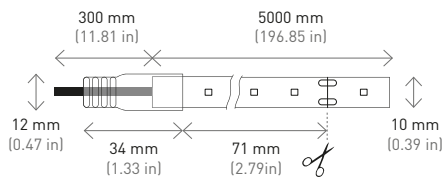


IP67

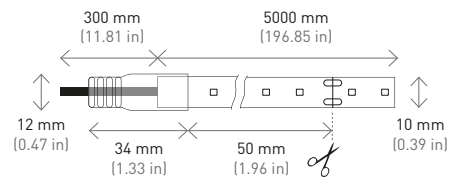
4,8W/m (60 LEDs/m)



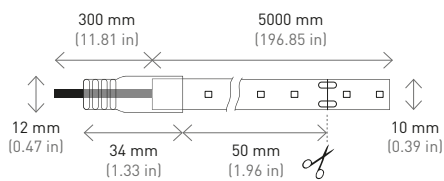
9,6W/m (84 LEDs/m)



14,4W/m (120 LEDs/m)

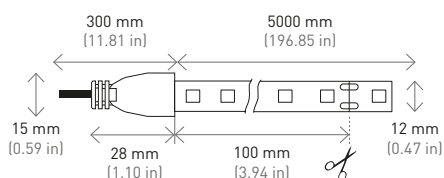


24W/m (120 LEDs/m)

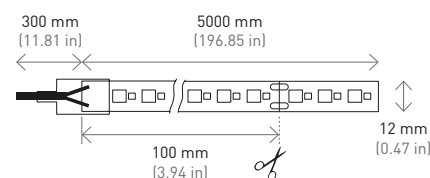


DYNAMIC COLORS

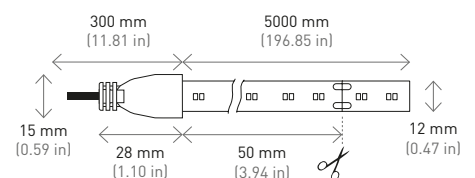
RGB 14,4W/m (60 LEDs/m) IP67



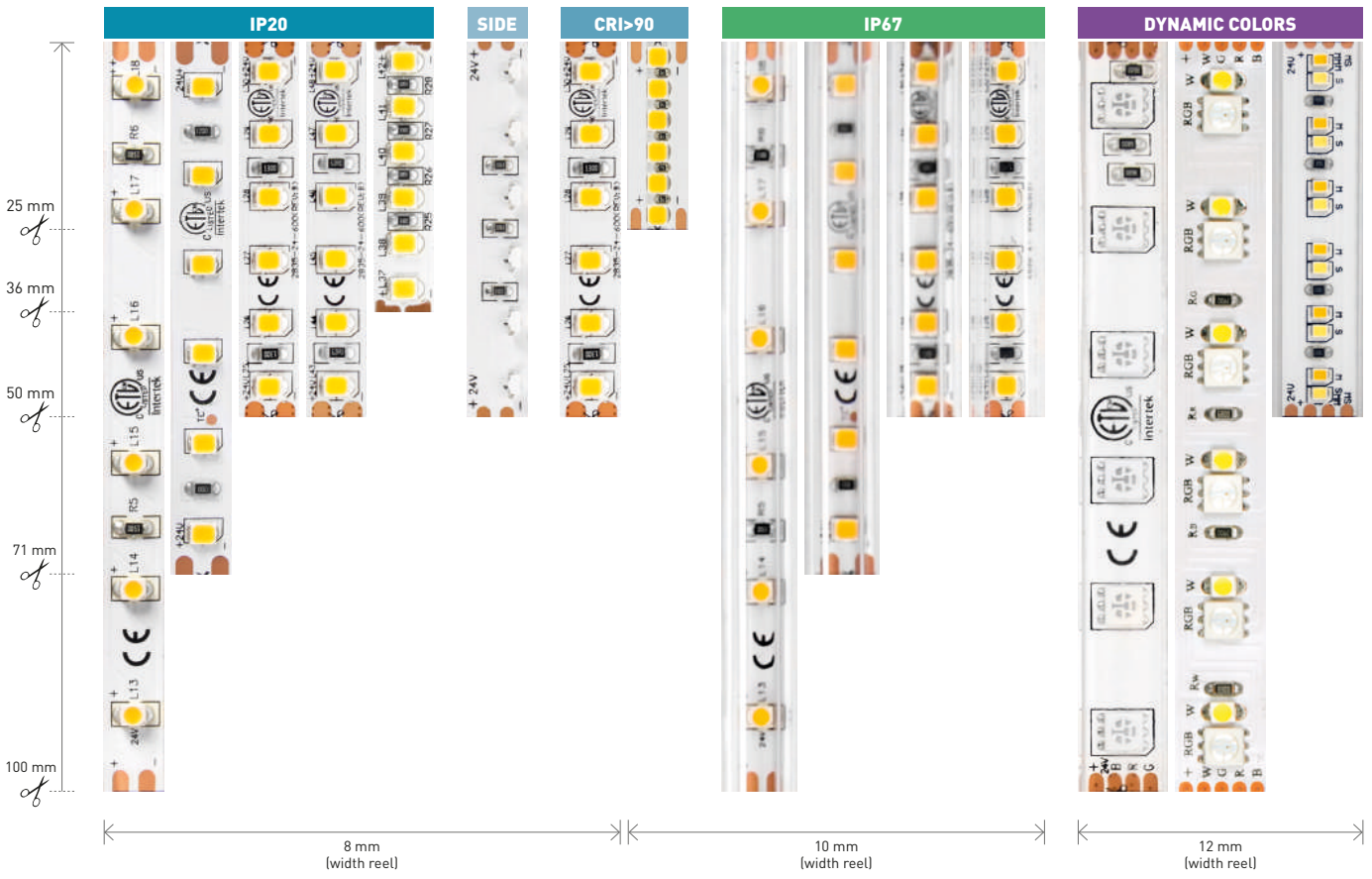
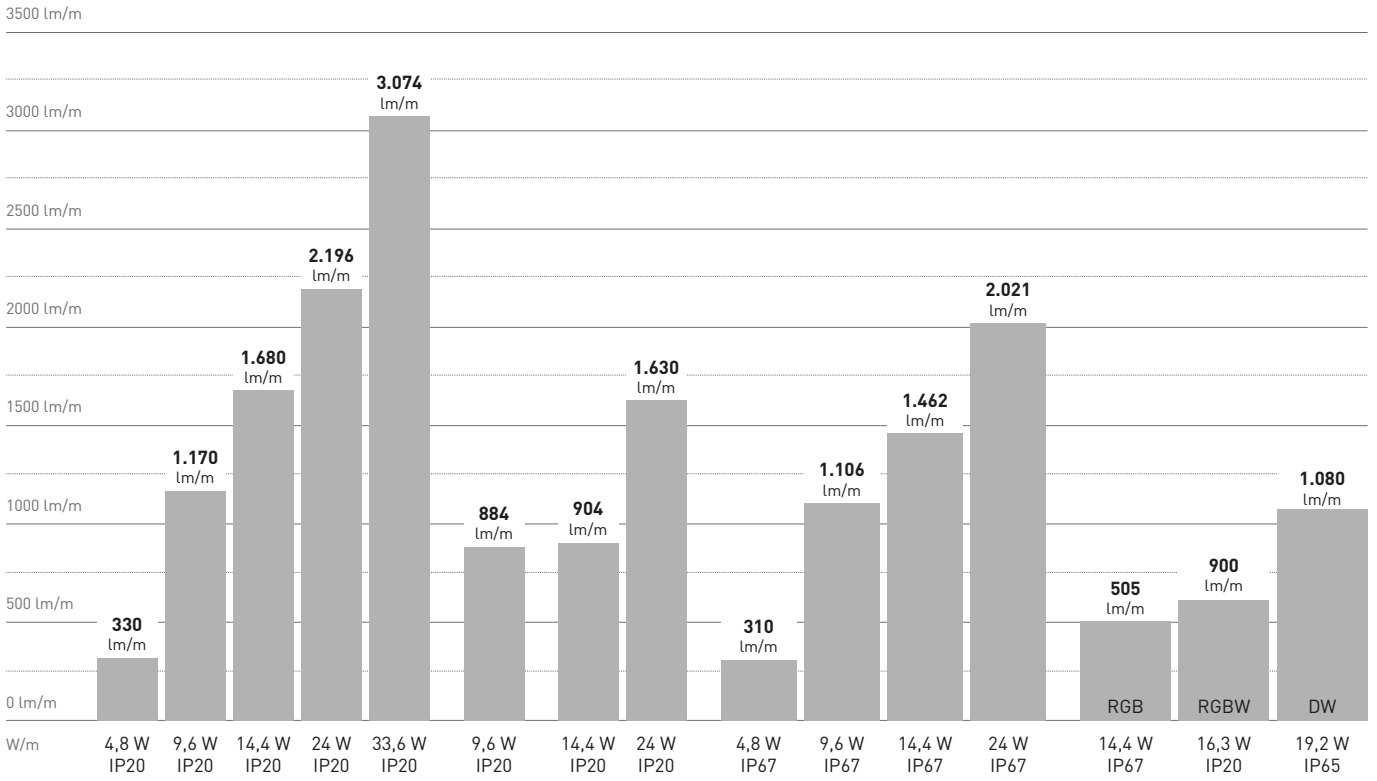
RGBW 16,3W/m (120 LEDs/m) IP20



DW 19,2W/m (240 LEDs/m) IP65



LINEAR FLEX® RANGE (lm/m) (6000K)
GAMA LINEAR FLEX® (lm/m) (6000K)

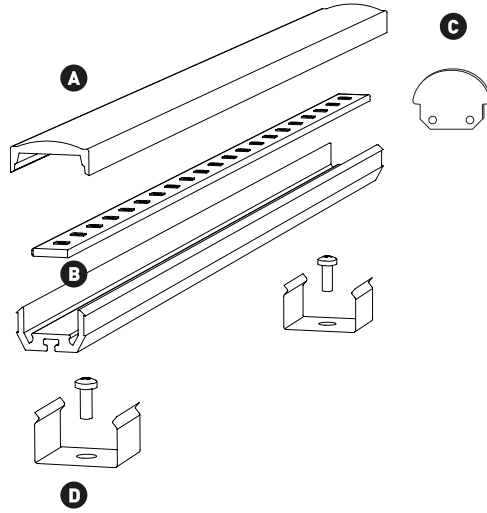


Full scale.
Escala real.

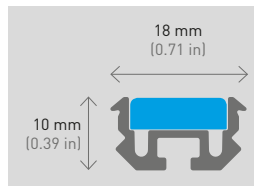
ACCESSORIES
ACCESORIOS

A Covers and lens
Cubiertas y lentes

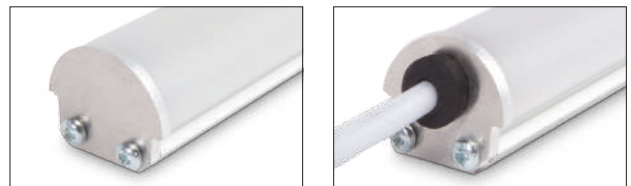
<p>Flat milky cover Cubierta plana opal</p> 	<p>Flat clear cover Cubierta plana transparente</p> 
<p>High milky cover Cubierta opal alta</p> 	<p>High clear cover Cubierta alta transparente</p> 
<p>Round milky cover Cubierta opal redonda</p> 	<p>Round clear cover Cubierta redonda transparente</p> 
<p>30° lens Lente 30° (diffuser light)</p> 	<p>60° lens Lente 60° (diffuser light)</p> 




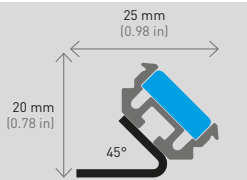
B Aluminium profile
Perfil de aluminio



C End caps
Tapas finales



D Brackets
Soportes

<p>Clip Clip</p> 		<p>15° Bracket Soporte 15°</p> 	<p>30° Bracket Soporte 30°</p> 	<p>45° Bracket Soporte 45°</p> 		
---	---	--	--	--	--	---

DETAILS
DETALLES

LED STRIP TABLE COMPATIBLE WITH END CAPS
TABLA DE TIRAS LED COMPATIBLES CON TAPAS FINALES

Monocolor IP20					CRI>90	
4,8W/m	9,6W/m	14,4W/m	24W/m	33,6W/m	14,4W/m	24W/m
✓	✓	✓	✓	✓	✓	✓
IP67				RGB	RGBW	DW
4,8W/m	9,6W/m	14,4W/m	24W/m	14,4W/m	16,3W/m	19,2W/m
✓	✓	✓	✓	✗	✗	✗

LED STRIP WITH 3M ADHESIVE TAPE OR THERMAL CONDUCTIVE
TIRAS LED CON CINTA ADHESIVA 3M O TERMOCONDUCTORA

Monocolor IP20				CRI>90		Side
4,8W/m	9,6W/m	14,4W/m	24W/m	33,6W/m	14,4W/m	24W/m
3M	3M	3M	TC	TC	3M	TC
3M	3M	3M	TC	3M	3M	3M
IP67				RGB	RGBW	DW
4,8W/m	9,6W/m	14,4W/m	24W/m	14,4W/m	16,3W/m	19,2W/m
3M	3M	3M	TC	3M	3M	3M

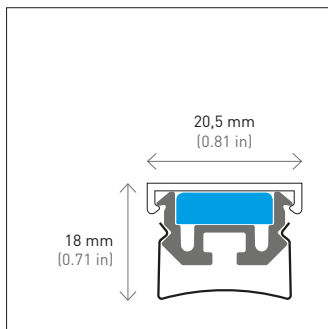


3M adhesive tape
Cinta adhesiva 3M

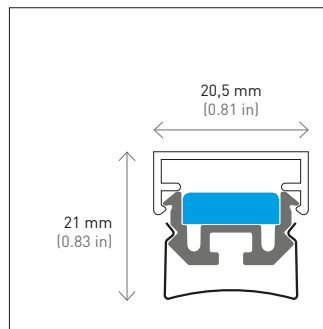


Thermal conductive tape
Cinta termoconductora

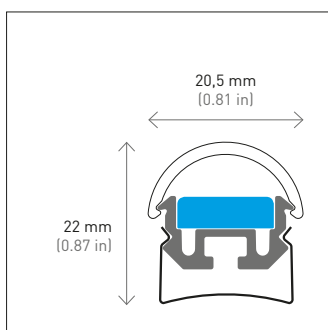
DETAILS
DETALLES



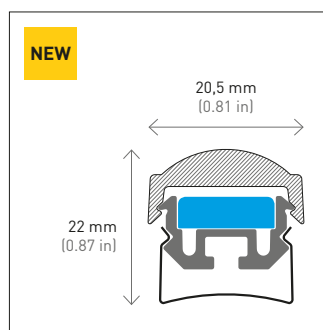
Al. Profile + Clip + Flat milky cover.
Perfil Al. + Clip + Cubierta plana opal.



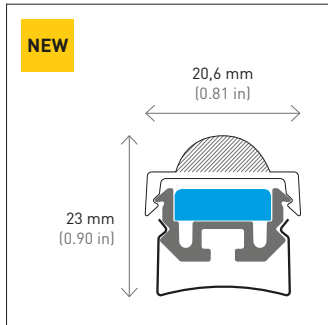
Al. Profile + Clip + High milky cover.
Perfil Al. + Clip + Cubierta opal alta.



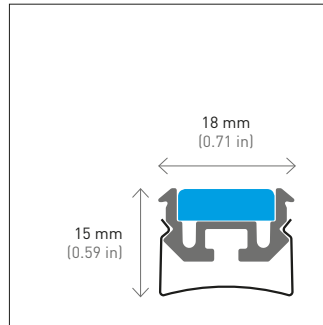
Al. Profile + Clip + Round clear cover.
Perfil Al. + Clip + Cubierta redonda transparente.



Al. Profile + Clip + 60° Lens.
Perfil Al. + Clip + Lente 60°.



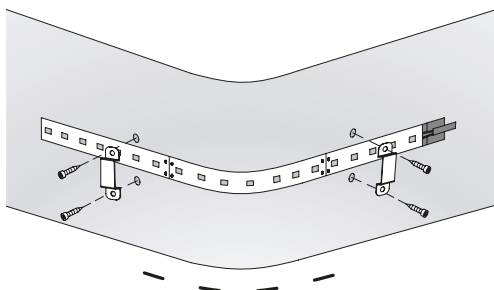
Al. Profile + Clip + 30° Lens.
Perfil Al. + Clip + Lente 30°.



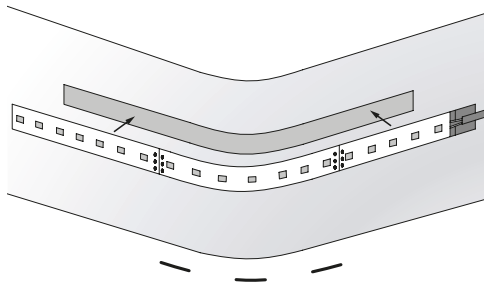
Al. Profile + Clip.
Perfil Al. + Clip.

Full scale drawings.
Planos a escala real.

INSTALLATION
INSTALACIÓN



Screws and clips installation
Instalación con clips y tornillos



Double-side adhesive tape installation
Instalación con cinta adhesiva de doble cara



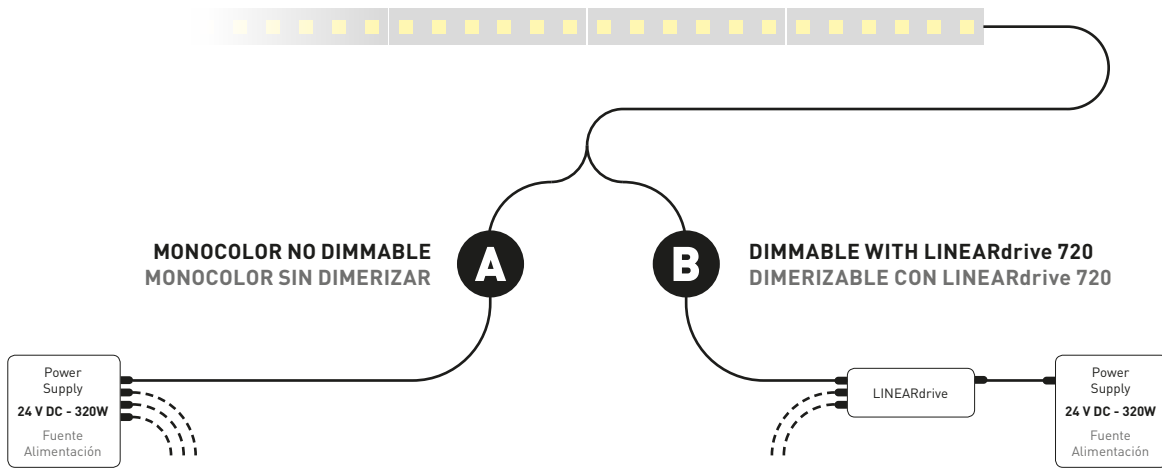
Minimum bending
radius 30 mm.

Radio mínimo
de curvatura 30 mm.



IP67
Temporarily
immersion
protection

MONOCOLOR CONNECTIONS
CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

Below you see the maximum reels which can be connected in parallel to the 24 V DC - 320W power supply.
Maximum 5 m from the power supply to the first reel connection.

Ver tabla adjunta para número máximo de bobinas conectadas en paralelo a fuente de alimentación de 24 V DC - 320W.
Máximo 5 m desde la fuente de alimentación a la primera bobina.

B

DIMMABLE WITH LINEARdrive 720
DIMERIZABLE CON LINEARdrive 720

Below you see the maximum reels which can be connected in parallel to the LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first reel connection.

Ver tabla adjunta para número máximo de bobinas conectadas en paralelo a LINEARdrive 720 (PSU 24 V DC - 320W).
Máximo 5 m desde la fuente de alimentación a la primera bobina.

MAXIMUM REELS CONNECTION TABLE
TABLA CON MÁXIMO DE BOBINAS CONECTADAS

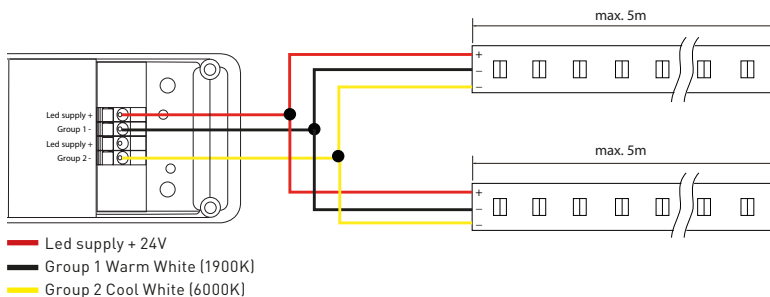
(with a 24 V DC - 320W power supply)
(con fuente de alimentación de 24 V DC - 320W)

Model	4,8W/m	9,6W/m	14,4W/m	24W/m	33,6W/m
Reel length	5 m	5 m	5 m	5 m	3 m
Max. Nº Reels	12	6	4	2	2

Values calculated without considering voltage drop.
Datos calculados sin caída de tensión.

DYNAMIC WHITE CONNECTIONS
CONEXIONES BLANCO DINÁMICO

LINEARdrive 222D 200W 24V DC DMX (2 channels)
LINEARdrive 220D 200W 24V DC DALI (2 channels)



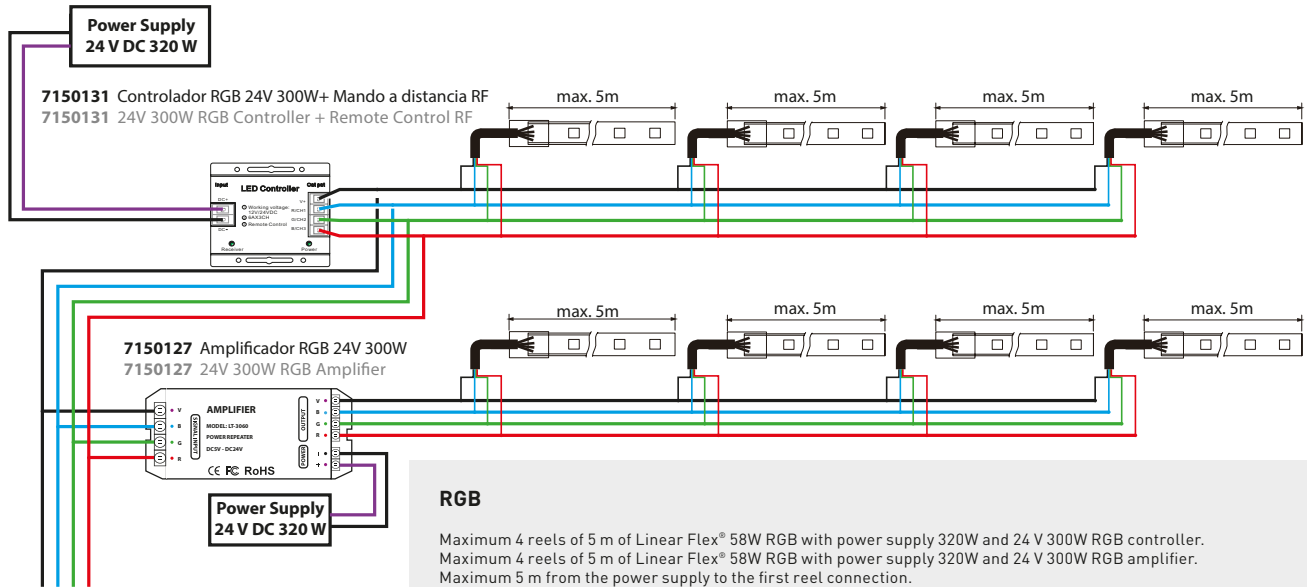
Dynamic White

Maximum 2 reels of 5 m of Linear Flex 77W DW with power supply 320W and LINEARdrive 222D/220D.
Maximum 5 m from the power supply to the first reel connection.

Máximo 2 bobinas de 5 m de Linear Flex 77W DW con fuente de alimentación de 320W y LINEARdrive 222D/220D .
Máximo 5 m desde la fuente de alimentación a la primera bobina.

RGB CONNECTIONS
CONEXIONES RGB

24 V 300W Amplifier / 24 V 300W RGB Controller (RF remote control included)
Amplificador 24 V 300W / Controlador RGB 24 V 300W (Incluye control remoto RF)

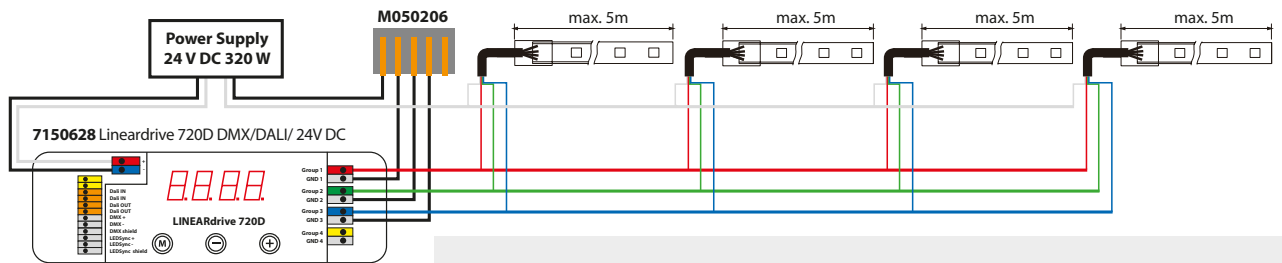


RGB

Maximum 4 reels of 5 m of Linear Flex® 58W RGB with power supply 320W and 24 V 300W RGB controller.
Maximum 4 reels of 5 m of Linear Flex® 58W RGB with power supply 320W and 24 V 300W RGB amplifier.
Maximum 5 m from the power supply to the first reel connection.

Máx. 4 bobinas de 5 m de Linear Flex® 58W RGB con fuente de alimentación de 320W y controlador RGB 24 V 300W.
Máximo 4 bobinas de 5 m de Linear Flex® 58W RGB con fuente de alimentación de 320W y amplificador 24 V 300W.
Máximo 5 m desde la fuente de alimentación a la primera bobina.

LINEARdrive 720D DMX/DALI 24 V DC



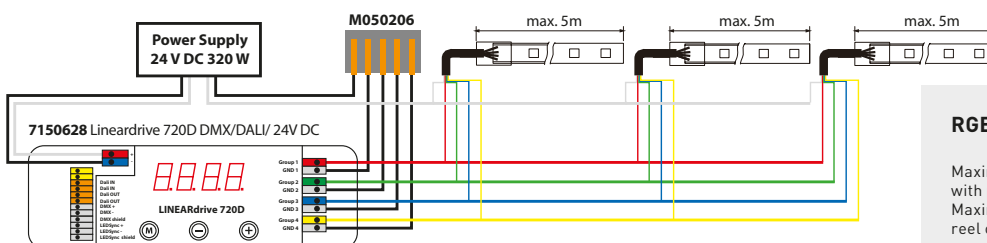
RGB

Maximum 4 reels of 5 m of Linear Flex 58W RGB with power supply 320W and LINEARdrive 720D.
Maximum 5 m from the power supply to the first reel connection.

Máximo 4 bobinas de 5 m de Linear Flex 58W RGB con fuente de alimentación de 320W y LINEARdrive 720D.
Máximo 5 m desde la fuente de alimentación a la primera bobina.

RGBW CONNECTIONS
CONEXIONES RGBW

LINEARdrive 720D DMX/DALI 24 V DC



RGBW

Maximum 3 reels of 5 m of Linear Flex 66W RGBW with power supply 320W and LINEARdrive 720D.
Maximum 5 m from the power supply to the first reel connection.

Máximo 3 bobinas de 5 m de Linear Flex 66W RGBW con fuente de alimentación de 320W y LINEARdrive 720D.
Máximo 5 m desde la fuente de alimentación a la primera bobina.

REFERENCES
REFERENCIAS

Linear Flex® Monocolor IP20	4,8W/m	20W/5m	IP20	2700K	7260000/80/2K7
				3000K	7260000/80/3K
				4000K	7260000/80/4K
				6000K	7260000/80/6K
	9,6W/m	39W/5m	IP20	2700K	7260010/80/2K7
				3000K	7260010/80/3K
				4000K	7260010/80/4K
				6000K	7260010/80/6K
	14,4W/m	58W/5m	IP20	2700K	7260020/80/2K7
				3000K	7260020/80/3K
				4000K	7260020/80/4K
				6000K	7260020/80/6K
24W/m	96W/5m	IP20	2700K	7260030/80/2K7	
			3000K	7260030/80/3K	
			4000K	7260030/80/4K	
			6000K	7260030/80/6K	
33,6W/m	81W/3m	IP20	2700K	7260040/80/2K7	
			3000K	7260040/80/3K	
			4000K	7260040/80/4K	
			6000K	7260040/80/6K	

Linear Flex® Monocolor CRI>90	14,4W/m	58W/5m	IP20	2700K	7260020/90/2K7
				3000K	7260020/90/3K
				4000K	7260020/90/4K
				2700K	7260030/90/2K7
24W/m	96W/5m	IP20	3000K	7260030/90/3K	
			4000K	7260030/90/4K	

Linear Flex® Monocolor SIDE VIEW	9,6W/m	38,4W/5m	IP20	2700K	7261020/80/2K7
				3000K	7261020/80/3K
				4000K	7261020/80/4K

Linear Flex® Monocolor IP67	4,8W/m	20W/5m	IP67	2700K	7260003/80/2K7
				3000K	7260003/80/3K
				4000K	7260003/80/4K
				6000K	7260003/80/6K
	9,6W/m	39W/5m	IP67	2700K	7260013/80/2K7
				3000K	7260013/80/3K
				4000K	7260013/80/4K
				6000K	7260013/80/6K
	14,4W/m	58W/5m	IP67	2700K	7260023/80/2K7
				3000K	7260023/80/3K
				4000K	7260023/80/4K
				6000K	7260023/80/6K
24W/m	96W/5m	IP67	2700K	7260033/80/2K7	
			3000K	7260033/80/3K	
			4000K	7260033/80/4K	
			6000K	7260033/80/6K	

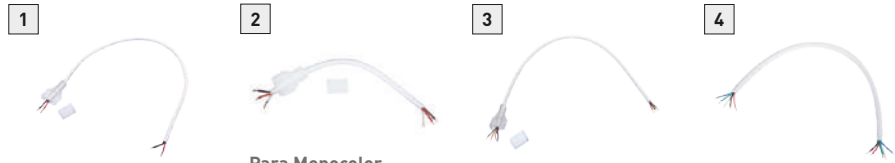
Linear Flex® RGB	14,4W/m	58W/5m	IP67	-	7260203/11
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Linear Flex® RGBW	16,32W/m	66W/5m	IP20	-	7260220/11-6K
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Linear Flex® DW	19,2W/m	77W/5m	IP65	1900K-6000K	7260222/1K9-6K
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Due to tolerances of the production process the total lengths could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.

CONNECTIONS REFERENCES
REFERENCIAS CONEXIONES



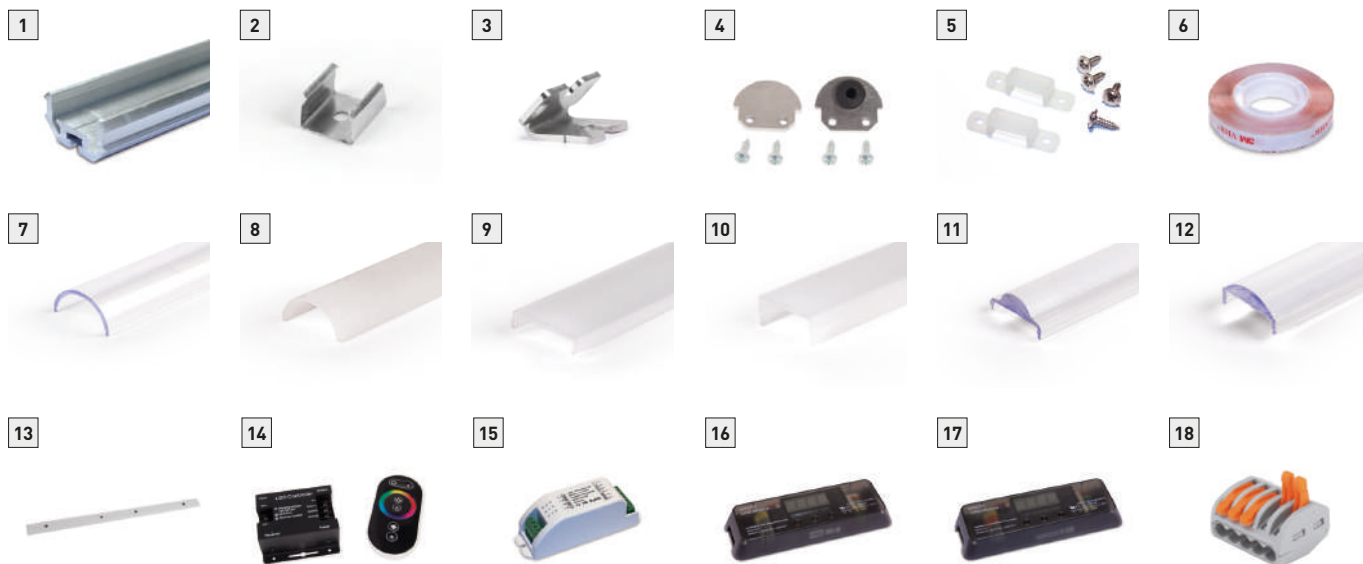
	For Monocolor	Para Monocolor	
M050338	Kit 30 cm wire (IP20)	Kit cable alimentación 30 cm (IP20)	
M050350	Kit 30 cm wire + End caps + glue (IP67)	Kit cable alimentación 30 cm + tapas + pegamento (IP67)	1
	For RGB	Para RGB	
M050339	Kit 30 cm wire + End caps + glue	Kit cable alimentación 30 cm + tapas + pegamento	3
	For RGBW	Para RGBW	
M050378	30 cm wire	Cable alimentación 30 cm	4
	For Dynamic White	Para Blanco Dinámico	
M050374	Kit 30 cm wire + End caps + glue	Kit cable alimentación 30 cm + tapas + pegamento	2

COMPATIBLE CONNECTORS TABLE
TABLA DE CONECTORES COMPATIBLES

Linear Flex®	Type	IP	Width	POWER WIRE
7260000/80/..	4,8W/m	IP20	8 mm	M050338
7260010/80/..	9,6W/m	IP20	8 mm	M050338
7260020/80/..	14,4W/m	IP20	8 mm	M050338
7260030/80/..	24W/m	IP20	8 mm	M050338
7260040/80/..	33,6W/m	IP20	8 mm	M050338
7260020/90/..	14,4W/m CRI>90	IP20	8 mm	M050338
7260030/90/..	24W/m CRI>90	IP20	10 mm	M050338
7261020/80/..	9,6W/m Side View	IP20	8 mm	M050338

Linear Flex®	Type	IP	Width	POWER WIRE
7260003/80/..	4,8W/m	IP67	10 mm	M050350
7260013/80/..	9,6W/m	IP67	10 mm	M050350
7260023/80/..	14,4W/m	IP67	10 mm	M050350
7260033/80/..	24W/m	IP67	10 mm	M050350
7260203/11	14,4W/m RGB	IP67	12 mm	M050339
7260220/11-6K	16,32W/m RGBW	IP20	12 mm	M050378
7260222/1K9-6K	19,2W/m DW	IP65	12 mm	M050374


ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



8010400/C12	Aluminium profile for lens	Perfil aluminio para lente	1
M050328	Thermal conductive tape (25m)	Cinta termoconductora (25m)	
M170023	Mounting inox clips for aluminium profile	Clips inox de sujeción para perfil aluminio	2
M170040	Bracket 15°	Soporte 15°	
M170041	Bracket 30°	Soporte 30°	
M170028	Bracket 45°	Soporte 45°	3
7259100/C12	*2 end cap kit for round diffuser & lens (30°/60°)	*Kit 2 tapas finales para lentes (30°/60°) y para difusor circular	4
M130367/C01	Round clear cover for aluminium profile	Difusor circular transparente para perfil aluminio	7
M130367/C02	Round milky diffuser for aluminium profile	Difusor circular opal para perfil aluminio	8
M130342/C01	30° clear lens for aluminium profile	Lente transparente 30° para perfil aluminio	11
M130343/C01	60° clear lens for aluminium profile	Lente transparente 60° para perfil aluminio	12
7259101/C12	*2 end cap kit for flat diffuser	*Kit 2 tapas finales para difusor plano	
M130368/C01	Flat clear cover for aluminium profile	Difusor plano transparente para perfil aluminio	
M130368/C02	Flat milky diffuser for aluminium profile	Difusor plano opal para perfil aluminio	9
7259102/C12	*2 end cap kit for high diffuser	*Kit 2 tapas finales para difusor alto	
M130369/C01	High clear diffuser for aluminium profile	Difusor alto y transparente para perfil aluminio	
M130369/C02	High milky diffuser for aluminium profile	Difusor alto y opal para perfil aluminio	10
7259110/C12	Mechanical junction between aluminium profiles	Unión mecánica entre perfiles de aluminio	13
M050337	Mounting clips 12 mm 10 u.	Clips sujeción 12 mm 10 u.	5
M050336	3M adhesive tape 3 m	Cinta adhesiva 3M 3 m	6
7150131	24V 300W RGB controller + Remote control RF	Controlador RGB 24V 300W + Mando a distancia RF	14
7150127	24V 300W RGB amplifier	Amplificador RGB 24V 300W	15
7150129	24V 300W RGBW controller + Remote control RF	Controlador RGBW 24V 300W + Mando a distancia RF	
7150132	24V 300W RGBW amplifier	Amplificador RGBW 24V 300W	
7150627	LINEARdrive 180D DMX	LINEARdrive 180D DMX	16
7150628	LINEARdrive 720D DMX/DALI	LINEARdrive 720D DMX/DALI	17
M050206	WAGO connector 5 wires entry	Conector WAGO 5 vías	18

* See page 258
* Ver página 258

Power supply see page 316
Fuentes alimentación ver página 316

 To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312





SMOOTH® 85

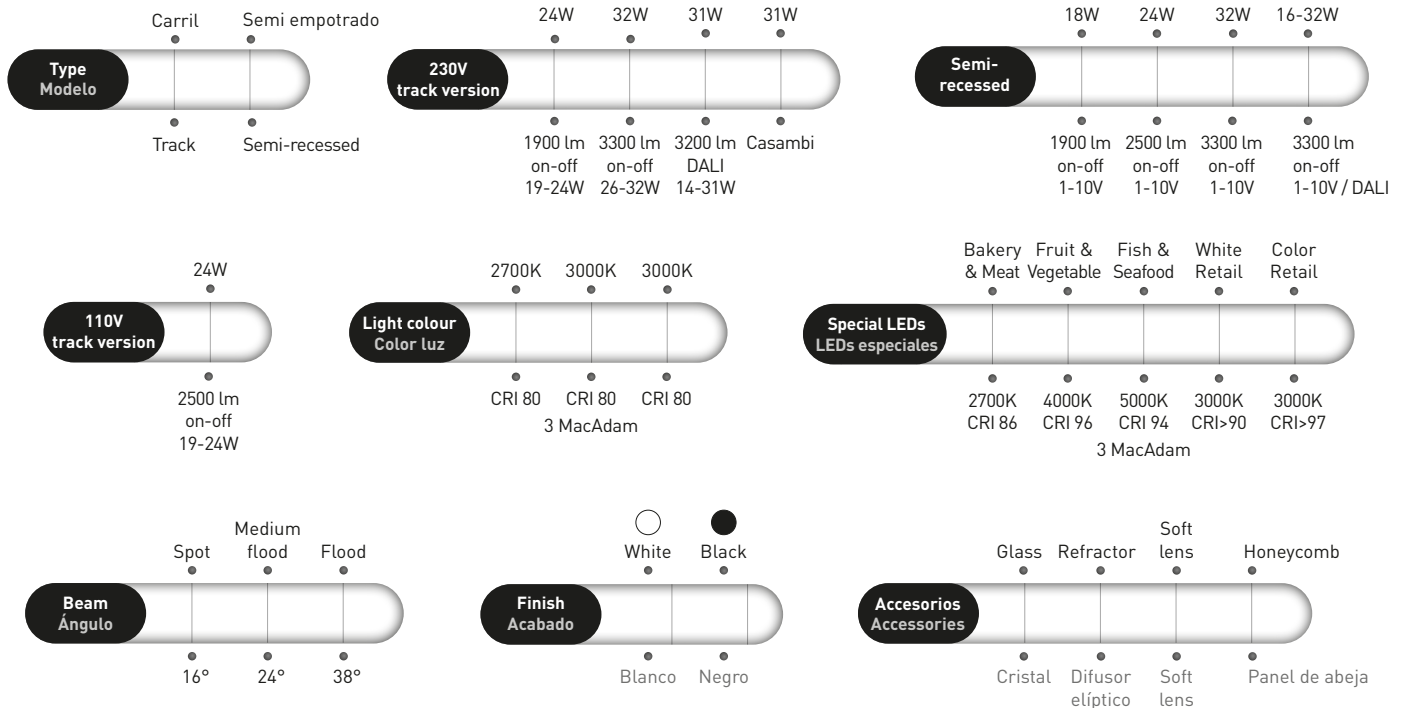


SMOOTH® 85

- Track and semi-recessed types
- 230V and 110V versions
- Control Type: On-off, DALI, 1-10V and Casambi
- 3 beam angles: 16°, 24 and 38°
- Lumens output: from 1900lm to 3300lm
- Spotlight efficiency: 105 lm/W
- Integrated multi-power driver inside track adapter
- Spotlight with glass included for easy maintenance
- Special LEDs to improve the food and retail colors
- Smooth design without screws and slots
- Accessories: honeycomb, refractor and soft lens



- Modelos para carril y semi empotrados
- Versiones a 230V y 110V
- Tipo de Control: On-off, DALI, 1-10V y Casambi
- 3 ángulos de apertura: 16°, 24 y 38°
- Flujo luminoso: de 1900lm hasta 3300lm
- Eficiencia del proyector: 105 lm/W
- Driver multi-potencia integrado en el adaptador a carril
- Proyector con cristal incluido para facilitar el mantenimiento
- LEDs especiales para potenciar los colores en alimentación y retail
- Diseño compacto, sin tornillos y ranuras
- Accesorios: panel de abeja, difusor elíptico, soft lens








The standard track and semi-recessed version is delivered with glass.
La versión estándar del proyector a carril y semi empotrado se suministra con cristal.

The standard semi-recessed version is delivered without driver.
La versión estándar del proyector semi empotrado se suministra sin driver.

The accessories (refractor, soft lens and honeycomb) must be ordered together with the luminaire and it is not compatible with the glass.
Los accesorios (difusor elíptico, soft lens y el panel de abeja) debe pedirse junto con la luminaria y no es compatible con el cristal.

SPECIFICATIONS
CARACTERÍSTICAS

IP20	230V AC	110V AC	 Track spotlight	 Driver Included Track spotlight	 Semi- recessed	 Driver not Included Semi- recessed	on/off DALI 1-10V	CASAMBI	AL Housing	Glass included	Ta min -30°C -22°F Ta +40°C max +104°F	
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Smooth® 85			
Measures	Ø85 x 152 x 225 mm		
Weight	0,6 kg		
32W (850mA)			
Color temperatures	2700K - CRI 80	3000K - CRI 80	4000K - CRI 80
Lumens output	16° - 3110 lm 24° - 3064 lm 38° - 3058 lm	16° - 3240 lm 24° - 3192 lm 38° - 3158 lm	16° - 3370 lm 24° - 3320 lm 38° - 3312 lm
Luminaire efficiency	95 to 97 lm/W	98 to 101 lm/W	103 to 105 lm/W
24W (650mA)			
Color temperatures	2700K - CRI 80	3000K - CRI 80	4000K - CRI 80
Lumens output	16° - 2510 lm 24° - 2472 lm 38° - 2464 lm	16° - 2614 lm 24° - 2575 lm 38° - 2567 lm	16° - 2719 lm 24° - 2678 lm 38° - 2670 lm
Luminaire efficiency	102 to 105 lm/W	107 to 109 lm/W	111 to 113 lm/W

Smooth® 85 Special LEDs					
Measures	Ø85 x 152 x 225 mm				
Weight	0,6 kg				
32W (850mA)					
Color temperatures	Bakery & Meat 2700K - CRI 86	Fruit & Vegetable 4000K - CRI 96	Fish & Seafood 5000K - CRI 94	White Retail 3000K - CRI> 90	Color Retail 3000K - CRI> 97
Lumens output	16° - 2177 lm 24° - 2145 lm 38° - 2140 lm	16° - 2528 lm 24° - 2490 lm 38° - 2484 lm	16° - 2555 lm 24° - 2520 lm 38° - 2513 lm	16° - 2875 lm 24° - 2832 lm 38° - 2826 lm	16° - 2690 lm 24° - 2652 lm 38° - 2645 lm
Luminaire efficiency	67 to 68 lm/W	77 to 79 lm/W	78 to 80 lm/W	88 to 90 lm/W	82 to 84 lm/W
24W (650mA)					
Color temperatures	Bakery & Meat 2700K - CRI 86	Fruit & Vegetable 4000K - CRI 96	Fish & Seafood 5000K - CRI 94	White Retail 3000K - CRI> 90	Color Retail 3000K - CRI> 97
Lumens output	16° - 1757 lm 24° - 1730 lm 38° - 1725 lm	16° - 2040 lm 24° - 2008 lm 38° - 2003 lm	16° - 2112 lm 24° - 2060 lm 38° - 2054 lm	16° - 2375 lm 24° - 2317 lm 38° - 2310 lm	16° - 2223 lm 24° - 2169 lm 38° - 2162 lm
Luminaire efficiency	72 to 74 lm/W	83 to 85 lm/W	86 to 88 lm/W	96 to 99 lm/W	90 to 92 lm/W



Architect: Silvia Contreras

Color temperature conform to ANSI C78.377A.
Lumens measurement conform to LM-79-08.
Lumens maintenance conform to LM-80-08.

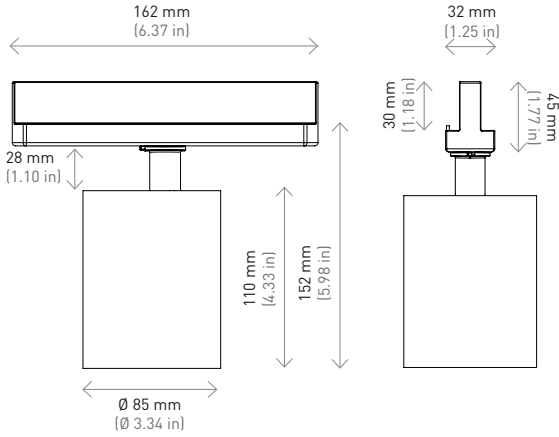
Temperatura de color según normativa ANSI C78.377A.
Medición lumens según normativa LM-79-08.
Mantenimiento lumens según normativa LM-80-08.

CASAS Store,
Bilbao, Spain

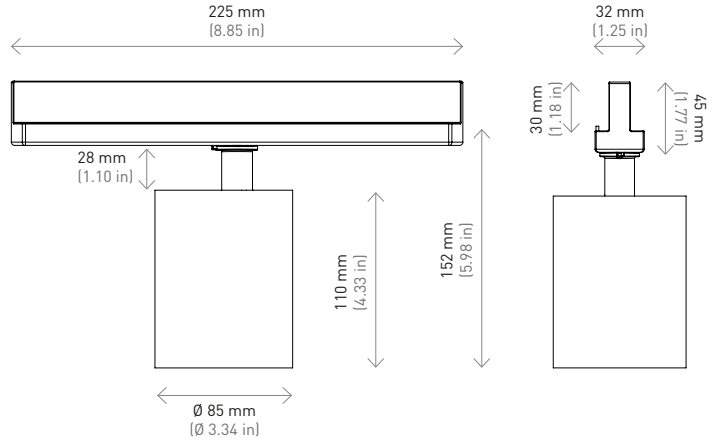
MEASURES MEDIDAS

SMOOTH® TRACK SPOTLIGHT

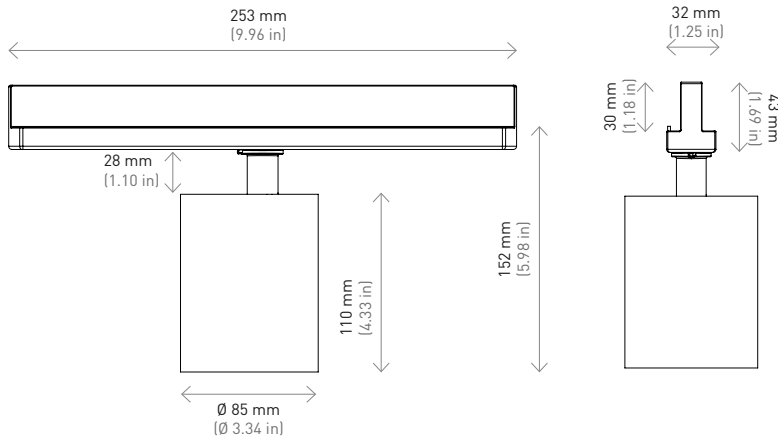
Smooth® 19-24W (On-Off)
220-240V AC
110-120V AC



Smooth® 26-32W (On-Off)
220-240V AC

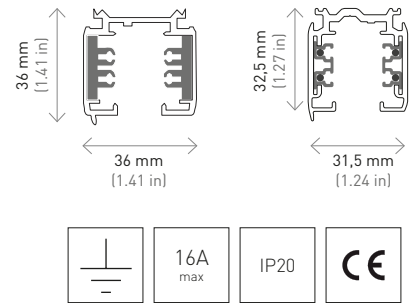


Smooth® 14-31W (DALI)
220-240V AC

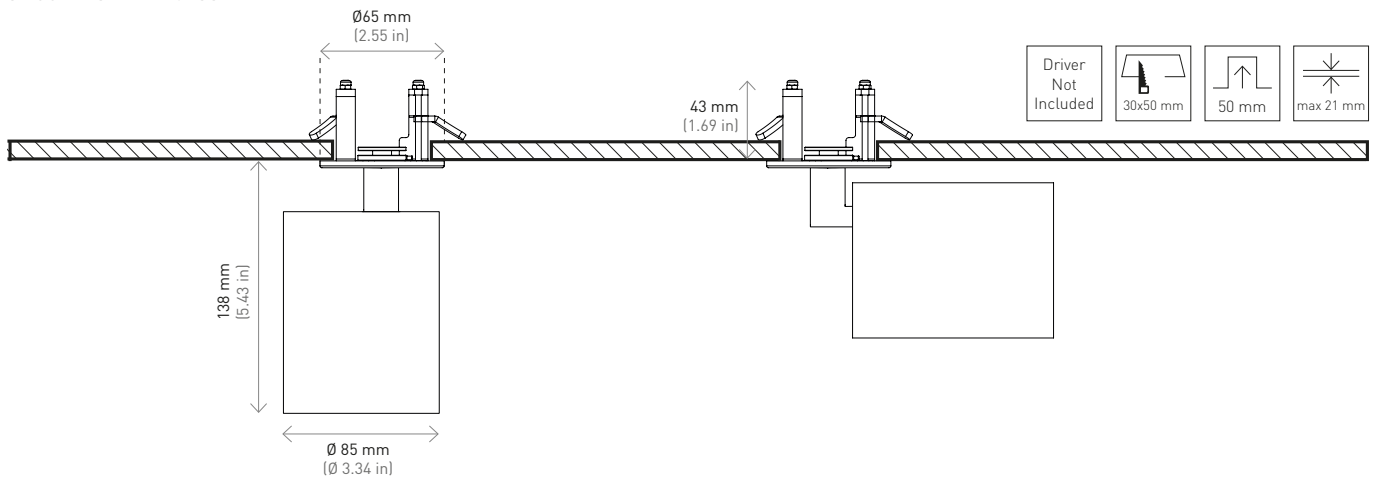


On-Off Track (3-phase)
On-Off Carril (3 fases)

DALI Track
Carril DALI



SMOOTH® SEMI-RECESSED



FINISHES ACABADOS

In order to satisfy all our customers, two different finishes are available: white and black.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en dos acabados: blanco y negro.



White.
Blanco.

(RAL 9003)



Black.
Negro.

(RAL 9005)

ROTATION ROTACIÓN



DETAILS DETALLES



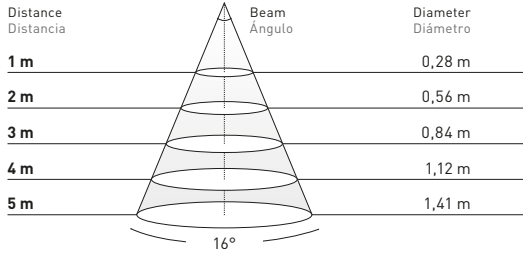
Smooth semi-recessed. Design without screws and slots.
Smooth semi empotrado. Diseño compacto, sin tornillos y ranuras.



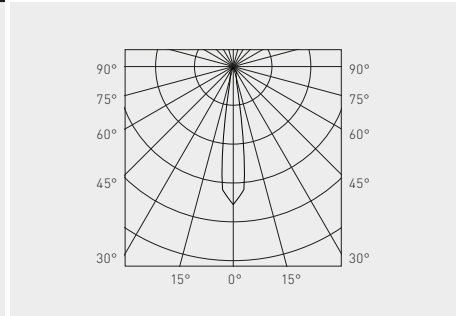
Passive heat sink.
Disipador de calor pasivo.

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

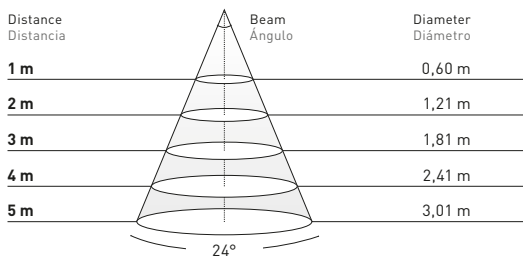
Smooth® 85

32W
16°


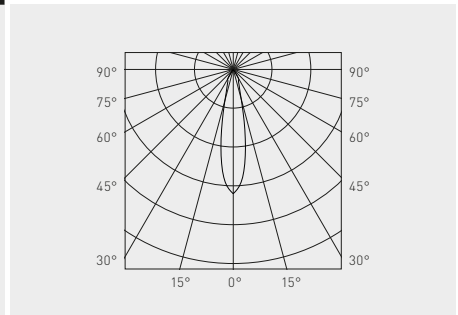
2700K	3000K	4000K
CRI 80	CRI 80	CRI 80
21787 lux	22695 lux	23603 lux
5447 lux	5674 lux	5901 lux
2421 lux	2522 lux	2623 lux
1361 lux	1418 lux	1475 lux
872 lux	908 lux	944 lux



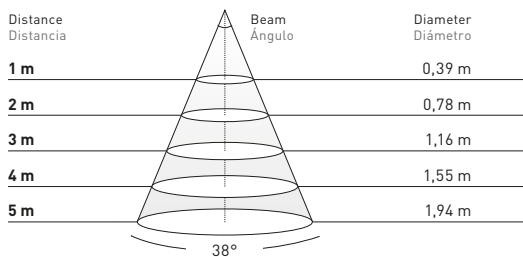
Smooth® 85

32W
24°


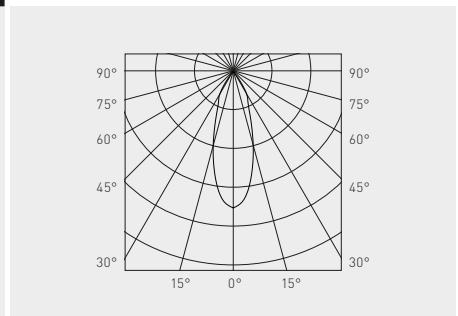
2700K	3000K	4000K
CRI 80	CRI 80	CRI 80
12322 lux	12835 lux	13348 lux
3081 lux	3209 lux	3337 lux
1369 lux	1426 lux	1483 lux
770 lux	802 lux	834 lux
492 lux	513 lux	534 lux



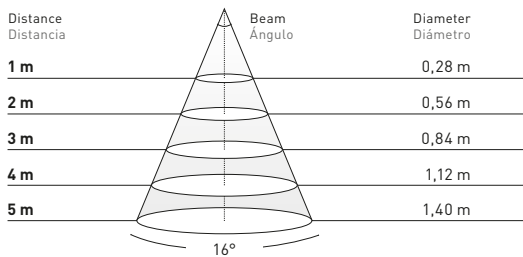
Smooth® 85

32W
38°


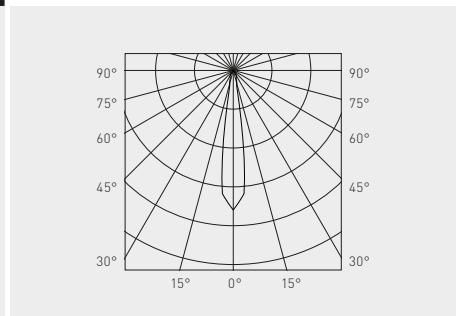
2700K	3000K	4000K
CRI 80	CRI 80	CRI 80
6602 lux	6877 lux	7152 lux
1650 lux	1719 lux	1788 lux
733 lux	764 lux	795 lux
413 lux	430 lux	447 lux
264 lux	275 lux	286 lux



Smooth® 85

24W
16°


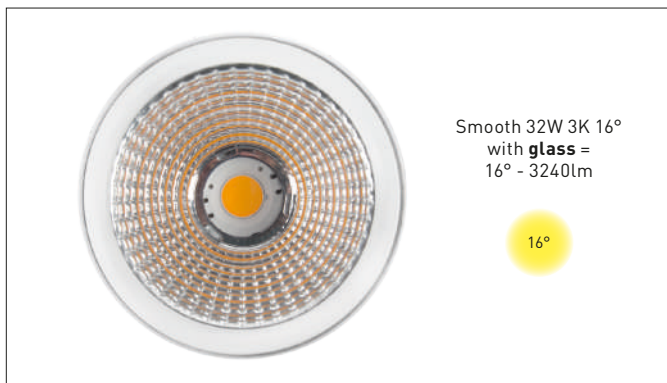
2700K	3000K	4000K
CRI 80	CRI 80	CRI 80
17511 lux	18241 lux	18971 lux
4378 lux	4560 lux	4742 lux
1546 lux	2027 lux	2108 lux
1094 lux	1140 lux	1186 lux
701 lux	730 lux	759 lux



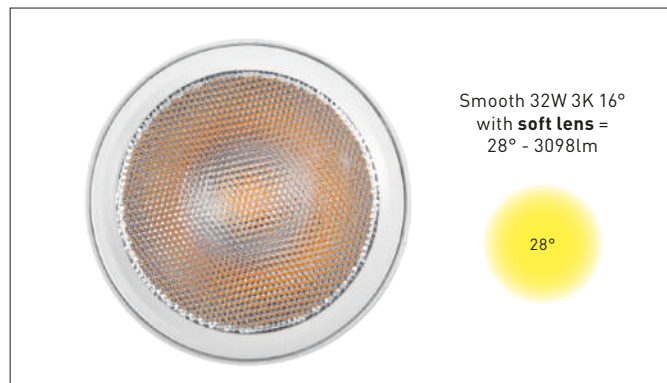
Data calculated with **Smooth® 85 with clear diffuser**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Smooth® 85 con difusor transparente**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

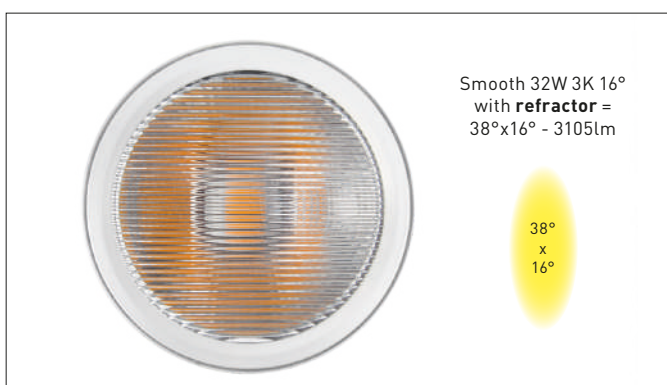
ACCESSORIES
ACCESORIOS



Glass Cristal (Standard)



Soft lens



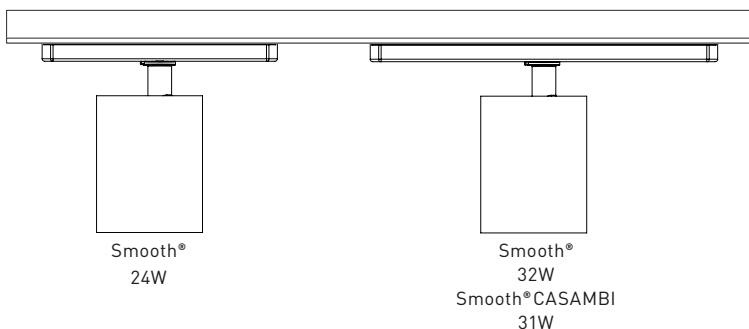
Refractor Difusor elíptico



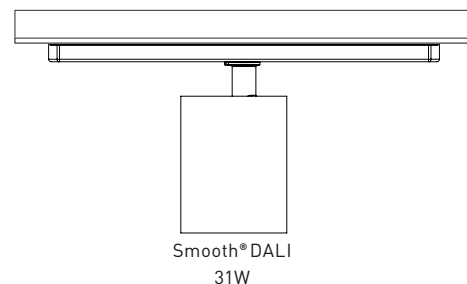
Honeycomb Panel de abeja

CONNECTIONS
CONEXIONES

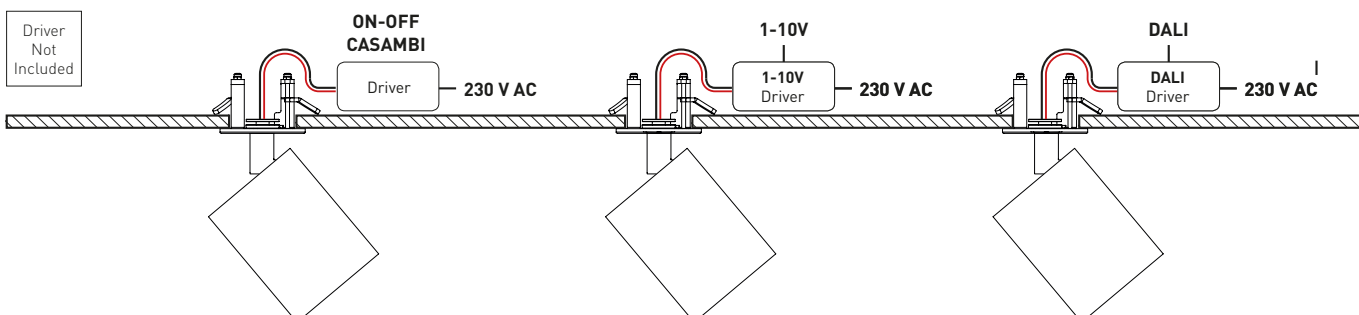
On-Off track (16A, 220-250V, 3 phases)
Carril On-Off (16A, 220-250V, 3 fases)



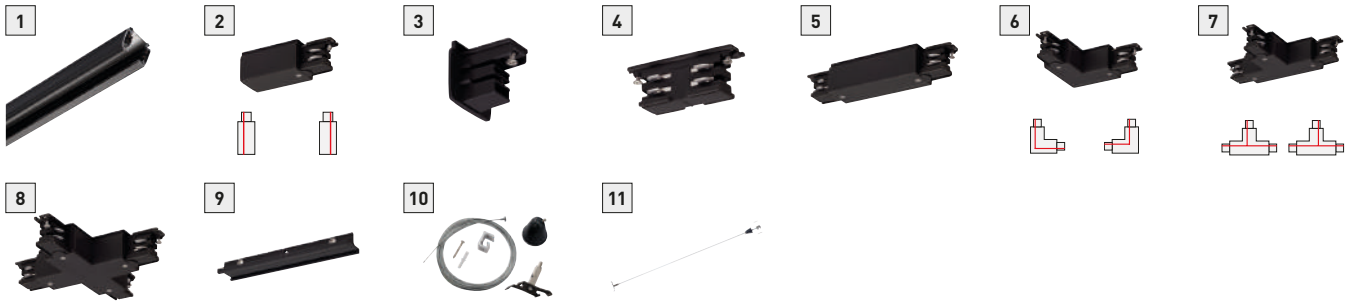
DALI track (16A, 400V)
Carril DALI (16A, 400V)



Smooth® Semi-recessed



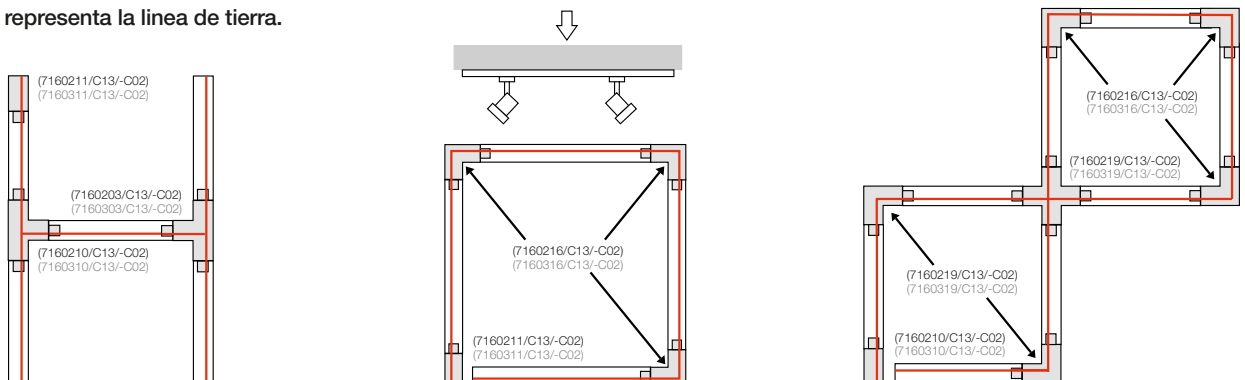
ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



On/Off (3F)	DALI			
7160201/C13	7160301/C13	Track surface,1m (black)	Carril superficie, 1m. (negro)	1
7160201/C02	7160301/C02	Track surface,1m (white)	Carril superficie, 1m. (blanco)	
7160202/C13	7160302/C13	Track surface,2m (black)	Carril superficie, 2m. (negro)	
7160202/C02	7160302/C02	Track surface,2m (white)	Carril superficie, 2m. (blanco)	
7160203/C13	7160303/C13	Track surface,3m (black)	Carril superficie, 3m. (negro)	
7160203/C02	7160303/C02	Track surface,3m (white)	Carril superficie, 3m. (blanco)	
7160210/C13	7160310/C13	Earth electrode right (black)	Alimentador, tierra derecha (negro)	2
7160210/C02	7160310/C02	Earth electrode right (white)	Alimentador, tierra derecha (blanco)	
7160211/C13	7160311/C13	Earth electrode left (black)	Alimentador, tierra izquierda (negro)	
7160211/C02	7160311/C02	Earth electrode left (white)	Alimentador, tierra izquierda (blanco)	
7160212/C13	7160312/C13	End Cap (black)	Tapa final (negro)	3
7160212/C02	7160312/C02	End Cap (white)	Tapa final (blanco)	
7160213/C13	7160313/C13	Long connector (black)	Conector longitudinal (negro)	4
7160213/C02	7160313/C02	Long connector (white)	Conector longitudinal (blanco)	
7160214/C13	7160314/C13	Long connector with feed-in capability (black)	Conector longitudinal, con alimentador (negro)	5
7160214/C02	7160314/C02	Long connector with feed-in capability (white)	Conector longitudinal con alimentador (blanco)	
7160215/C13	7160315/C13	L-connector, earth electrode inside (black)	Conector en L, tierra interior (negro)	6
7160215/C02	7160315/C02	L-connector, earth electrode inside (white)	Conector en L, tierra interior (blanco)	
7160216/C13	7160316/C13	L-connector, earth electrode outside (black)	Conector en L, tierra exterior (negro)	
7160216/C02	7160316/C02	L-connector, earth electrode outside (white)	Conector en L, tierra exterior (blanco)	
7160217/C13	7160317/C13	T-connector, earth electrode left (black)	Conector en T, tierra izquierda (negro)	7
7160217/C02	7160317/C02	T-connector, earth electrode left (white)	Conector en T, tierra izquierda (blanco)	
7160218/C13	7160318/C13	T-connector, earth electrode right (black)	Conector en T, tierra derecha (negro)	
7160218/C02	7160318/C02	T-connector, earth electrode right (white)	Conector en T, tierra derecha (blanco)	
7160219/C13	7160319/C13	X-connector (black)	Conector en X (negro)	8
7160219/C02	7160319/C02	X-connector (white)	Conector en X (blanco)	
7160230/C13	7160330/C13	Joint connector (black)	Unión mecánica carriles (negro)	9
7160230/C02	7160330/C02	Joint connector (white)	Unión mecánica carriles (blanco)	
7160231/C13	7160331/C13	Wire suspension (black)	Cable de suspensión 5m "on/off" 3m "DALI" (negro)	10
7160231/C02	7160331/C02	Wire suspension (white)	Cable de suspensión 5m "on/off" 3m "DALI" (blanco)	
7160232/C13	7160332/C13	Pendant suspension (black)	Suspensión rígida 1m "on/off" 1m "DALI" (negro)	11
7160232/C02	7160332/C02	Pendant suspension (white)	Suspensión rígida 1m "on/off" 1m "DALI" (blanco)	

Vistas en planta.

La línea roja representa la línea de tierra.



REFERENCES
REFERENCIAS
7161 X X X /XX/XXX

COLOR COLOR

/80/2K7	2700K
/80/3K	3000K
/80/4K	4000K
/86/2K7	Bakery & Meat
/96/4K	Fruit & Vegetable
/94/5K	Fish & Seafood
/90/3KX	White Retail
/97/3K	Color Retail

BEAM ÁNGULO

0	16° - Spot
1	24° - Medium Flood
2	38° - Flood

FINISHES ACABADOS

2	Black Negro
3	White Blanco

TYPE MODELO

0	Carril
2	Semi empotrado

OPTIONS
OPCIONES
CONTROL TRACK SPOTLIGHT CONTROL PROYECTOR CARRIL

On-Off	19-24W	230V AC	
On-Off	19-24W	110V AC	
On-Off	26-32W	230V AC	(Standard)
DALI	14-31W	230V AC	
CASAMBI	14-31W	230V AC	

The standard track spotlight version is delivered with multi-power driver 26-32W On-Off 230 V AC.

La versión estándar del proyector a carril se suministra con driver 26-32W On-Off 230 V AC.

ACCESSORIES ACCESORIOS

Glass Cristal	(Standard)
Refractor Difusor elíptico	
Soft lens Soft lens	
Honeycomb Panel de abeja	

The standard spotlight version is delivered with glass.

The accessories (refractor, soft lens and honeycomb) must be ordered together with the luminaire and it is not compatible with the glass.

The standard semi-recessed spotlight version is delivered without driver.

La versión estándar del proyector se suministra con cristal.

Los accesorios (difusor elíptico, soft lens y el panel de abeja) debe pedirse junto con la luminaria y no es compatible con el cristal.

La versión estándar del proyector semi empotrado se suministra sin driver.

TABLE DIP-SWITCH TRACK SPOTLIGHT
TABLA DIP-SWITCH PROYECTOR CARRIL
Smooth® 19-24W (On-Off)

DIP-SWITCH	1	2
500 mA (18,5W)	-	-
550 mA (20 W)	ON	-
600 mA (22 W)	-	ON
650 mA (24W)	ON	ON

The standard version with multi-power driver is supplied with the DIP switch at maximum power

La versión estándar con driver multi-potencia se suministran con el DIP switch at máximo de potencia

Smooth® 26-32W (On-Off)

DIP-SWITCH	1	2
700 mA (26W)	-	-
750 mA (28W)	ON	-
800 mA (30W)	-	ON
850 mA (32W)	ON	ON

Smooth® 14-31W (DALI)

DIP-SWITCH	1	2	3	4
325 mA (14W)	-	-	-	-
350 mA (15,5W)	-	-	-	ON
375 mA (16,5W)	-	-	ON	-
400 mA (17,5W)	-	-	ON	ON
425 mA (18,5W)	-	ON	-	-
450 mA (19,5W)	-	ON	-	ON
475 mA (21W)	-	ON	ON	-
500 mA (22W)	-	ON	ON	ON

DIP-SWITCH	1	2	3	4
525 mA (23W)	ON	-	-	-
550 mA (24W)	ON	-	-	ON
575 mA (25W)	ON	-	ON	-
600 mA (26,5W)	ON	-	ON	ON
625 mA (27,5W)	ON	ON	-	-
650 mA (28,5W)	ON	ON	-	ON
675 mA (29,5W)	ON	ON	ON	-
700 mA (31W)	ON	ON	ON	ON



To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

DRIVERS REFERENCES FOR SEMI RECESSED SPOTLIGHT
REFERENCIAS DRIVERS PARA PROYECTOR SEMI EMPOTRADO

1



2



3



Drivers 500mA				
3090773	x	x	On-Off Led Driver 500mA 16W	Led Driver 500mA 16W On-Off
3090774	x	x	1-10V Led Driver 500mA 18W	Led Driver 500mA 18W 1-10V
Drivers 700mA				
3091009		x	On-Off Led Driver 700mA 3.5W-30W	Led Driver 700mA 3.5W-30W On-Off
3090777		x	1-10V Led Driver 700mA 24W	Led Driver 700mA 24W 1-10V
Drivers 900mA				
3090779		x	On-Off Led Driver 900mA 32W	Led Driver 900mA 32W On-Off
3090780		x	1-10V Led Driver 900mA 32W	Led Driver 900mA 32W 1-10V
Multi-power driver 300-900 mA				
3091012	x	x	On-Off Led Driver Multi-power 300mA-1050mA 13W-40W	Led Driver Multi-power 300mA-1050mA 13W-40W On-Off
3090704	x	x	DALI / 1-10V / PUSH Led Driver Multi-power Max.50W	Led Driver Multi-power Max.50W DALI / 1-10V / PUSH
Drivers multi-power Bluetooth				
7150930	x	x	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi
7150931	x	x	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee

Loiola railway station,
San Sebastián, Spain





SLEEK LINE®

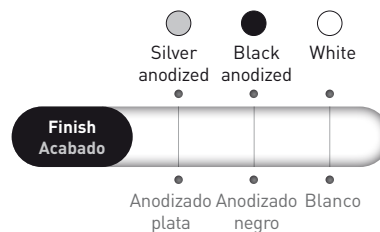
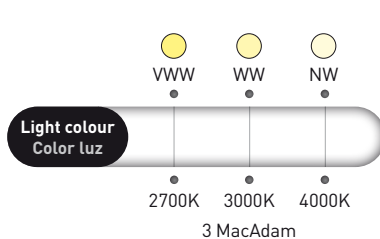
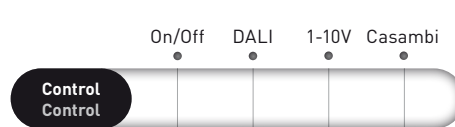
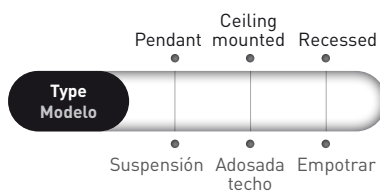
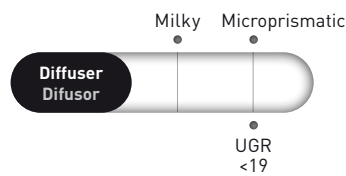
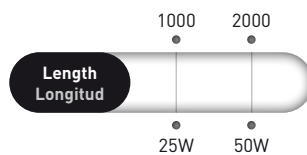
Gen2



SLEEK LINE®



Gen2

- Modular system for continuous light lines
- DALI, 1-10V and Casambi control
- Milky and microprismatic (UGR<19) versions
- Easy power and data connection
- Easy serial connection, up to 30 m.
- Luminaire efficiency 98 lm/W
- Homogenous light without shadows
- Pendant, ceiling mounted and recessed versions
- Seamless screws' endcaps
- 180° junction accessories
- Sistema modular: permite crear líneas de luz continuas
- Control DALI, 1-10V y Casambi
- Versiones opal y microprismatico (UGR<19)
- Fácil conexión eléctrica y de datos
- Fácil conexión en serie, hasta 30 m.
- Eficiencia de la luminaria 98 lm/W
- Luz uniforme y continua sin sombras
- Versiones de suspensión, adosada a techo y de empotrar
- Tapas finales sin tornillos vistos
- Accesorios de unión para 180°



The standard version is delivered with On/Off control and milky diffuser. End caps and accessories not included.
La versión estándar se suministra con control On/Off y difusor opal. Tapas finales y accesorios no incluidos.

SPECIFICATIONS
CARACTERÍSTICAS

IP40	on/off	DALI	1-10V	CASAMBI	198-264V AC		AL Housing	PC Diffuser	UV protected	CRI>80	Ta min -20°C -4°F Ta max +50°C +122°F	
------	--------	------	-------	---------	----------------	---	---------------	----------------	-----------------	--------	--	---

Sleek Line® 1000 Milky			
Measures	1000 x 70 x 40 mm		
Weight	1,5 kg		
280 LEDs			
Power	25 W		
Color temperatures	2700K	3000K	4000K
Lumens output	1738 lm	1890 lm	2010 lm
Luminaire efficiency	69 lm/W	75 lm/W	80 lm/W

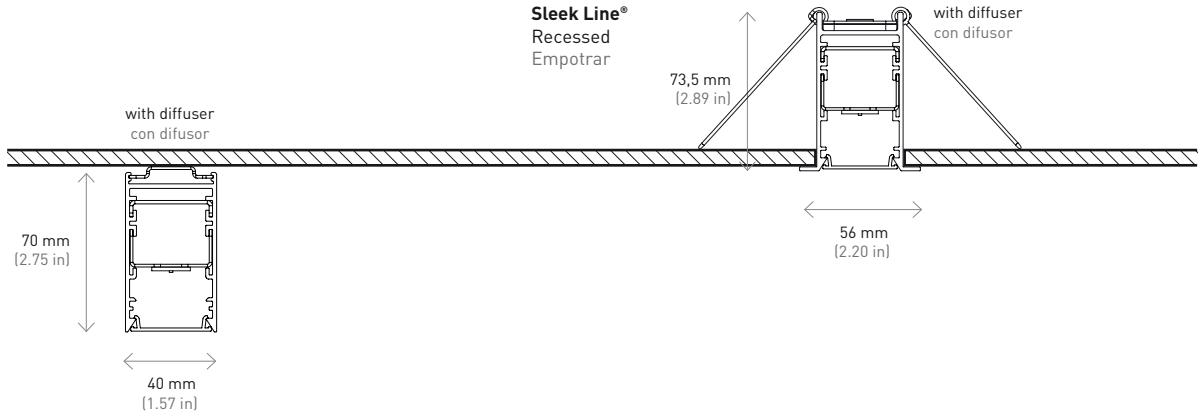
Sleek Line® 2000 Milky			
Measures	2000 x 70 x 40 mm		
Weight	3 kg		
560 LEDs			
Power	50W		
Color temperatures	2700K	3000K	4000K
Lumens output	3476 lm	3780 lm	4020 lm
Luminaire efficiency	69 lm/W	75 lm/W	80 lm/W

Sleek Line® 1000 Microprismatic			
Measures	1000 x 70 x 40 mm		
Weight	1,5 kg		
280 LEDs			
Power	25 W		
Color temperatures	2700K	3000K	4000K
Lumens output	2050 lm	2305 lm	2452 lm
Luminaire efficiency	82 lm/W	92 lm/W	98 lm/W

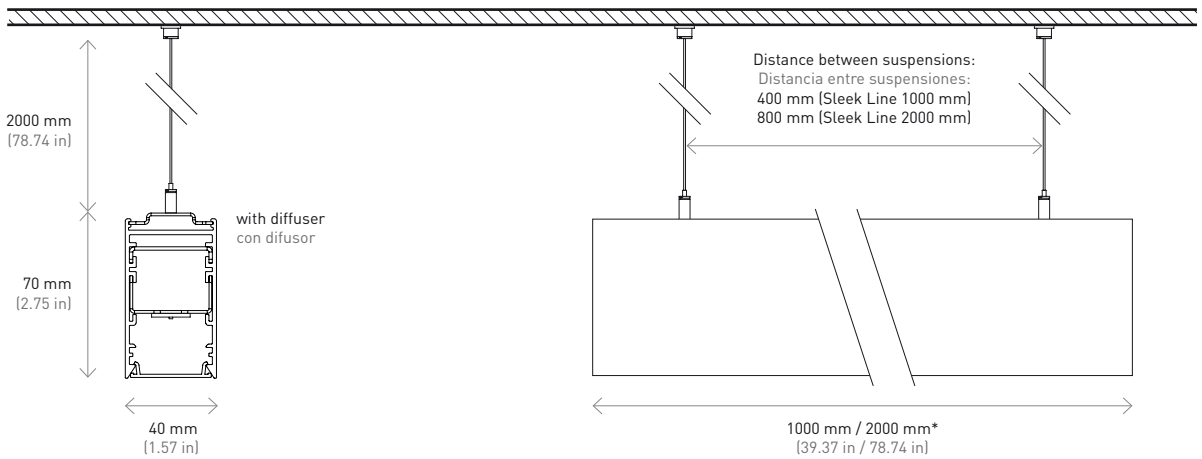
Sleek Line® 2000 Microprismatic			
Measures	2000 x 70 x 40 mm		
Weight	3 kg		
560 LEDs			
Power	50W		
Color temperatures	2700K	3000K	4000K
Lumens output	4100 lm	4610 lm	4905 lm
Luminaire efficiency	82 lm/W	92 lm/W	98 lm/W

MEASURES MEDIDAS

Sleek Line®
Ceiling mounted
Adosada a techo



Sleek Line®
Pendant
Suspensión

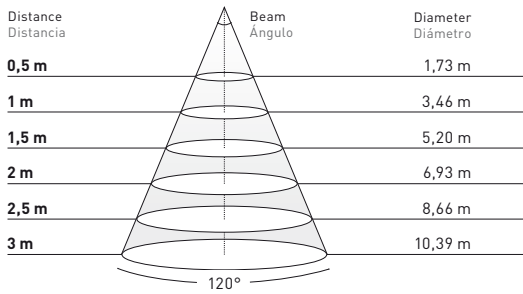


*Measures without end caps. The end cap thickness is 6 mm.
*Medidas sin tapas finales. El grosor de la tapa es de 6 mm.

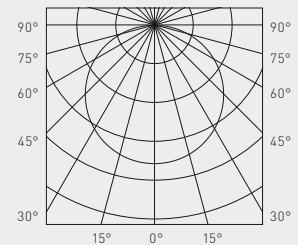
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Sleek Line® 1000 milky

25W

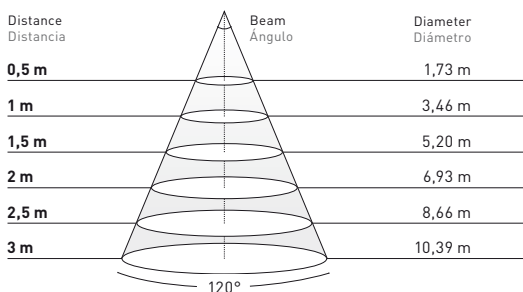


	2700K	3000K	4000K
0,5 m	2.677 lux	2.911 lux	3.096 lux
1 m	669 lux	728 lux	774 lux
1,5 m	297 lux	323 lux	344 lux
2 m	167 lux	182 lux	193 lux
2,5 m	107 lux	116 lux	124 lux
3 m	74 lux	81 lux	86 lux

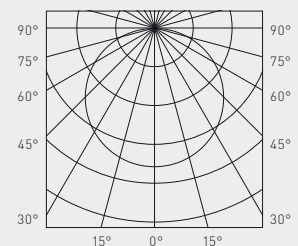


Sleek Line® 2000 milky

50W

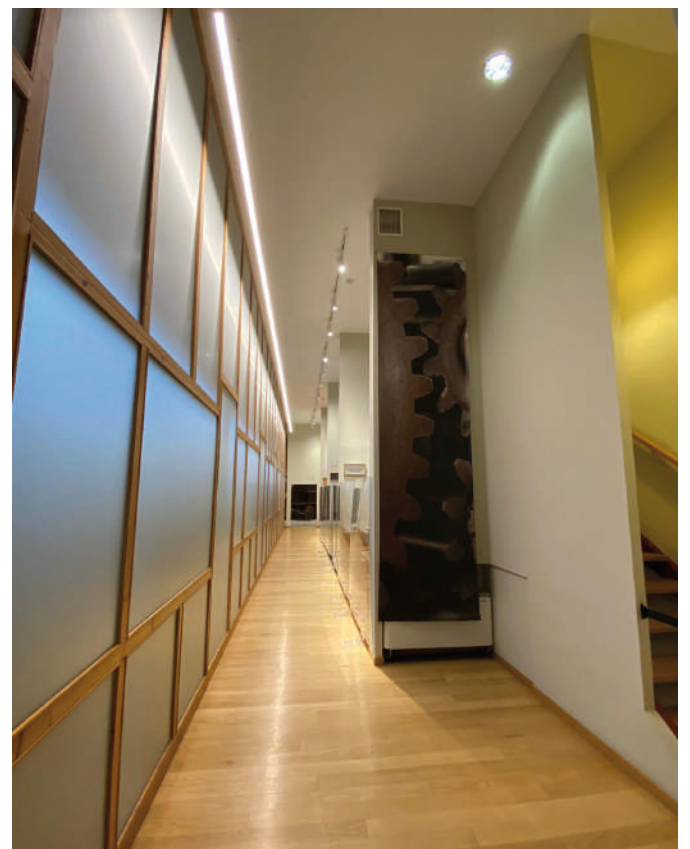


	2700K	3000K	4000K
0,5 m	5.353 lux	5.822 lux	6.191 lux
1 m	1.338 lux	1.455 lux	1.548 lux
1,5 m	595 lux	647 lux	688 lux
2 m	335 lux	364 lux	387 lux
2,5 m	214 lux	233 lux	248 lux
3 m	149 lux	162 lux	172 lux





Loiola railway station,
San Sebastián, Spain



Museo de Artes y Tradiciones Populares, Universidad Autónoma de Madrid,
Madrid, Spain

**FINISHES
ACABADOS**

In order to satisfy all our customers, three different versions are available: white, anodized black and anodized silver.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, anodizado negro y anodizado plata.



**DETAILS
DETALLES**

Integrated springs for an easy installation.
Muelles integrados en la luminaria para una fácil instalación.

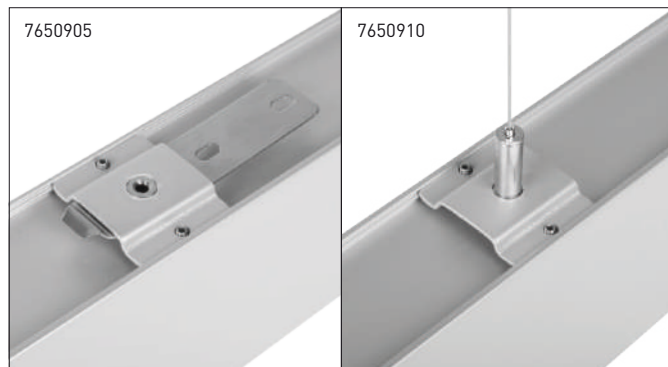


DETAILS
DETALLES



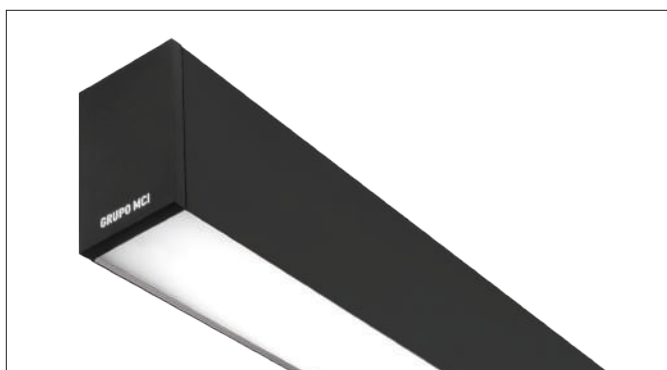
7660901/C..
Seenless screws' endcaps.
Tapas finales sin tornillos vistos.

7650907/C..
End caps with internal space to absorb
diffuser expansion.
Tapas finales con ranura interior para
absorber dilatación difusor.



7650905
Ceiling bracket.
Soporte a techo.

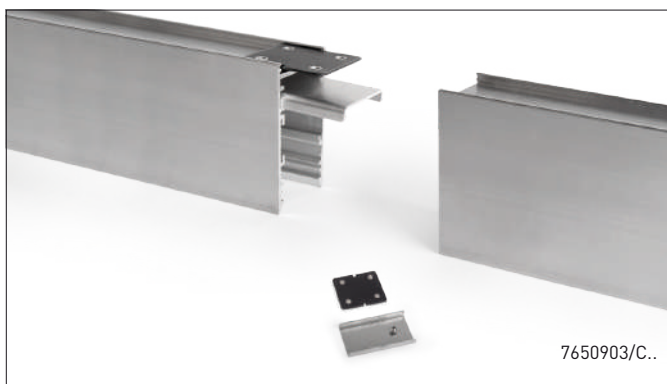
7650910
Adjustable suspension.
Suspensión regulable.



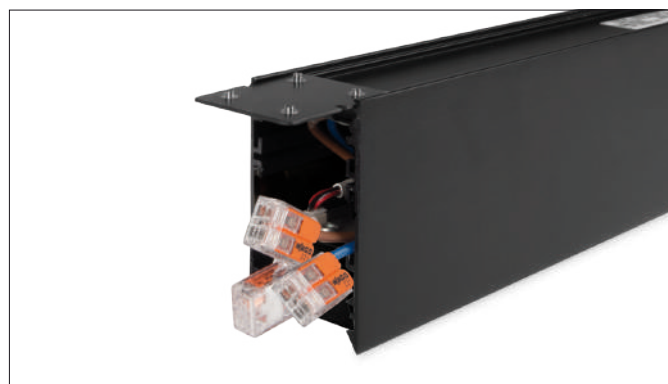
Milky diffuser
Difusor opal



Microprismatic diffuser (UGR<19)
Difusor microprismatico (UGR<19)



7650903/C..
Not visible internal junction between luminaires.
Unión interna no visible entre luminarias.



Electrical connection between luminaires with Wago terminal 2-way connection.
Conexión eléctrica entre luminarias con regleta conexión Wago 2 vías.



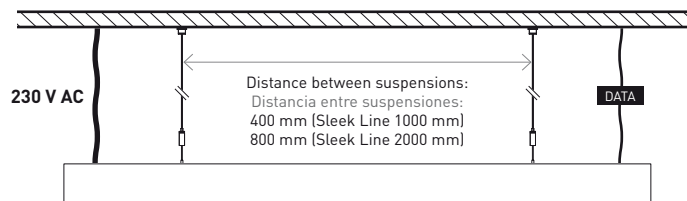
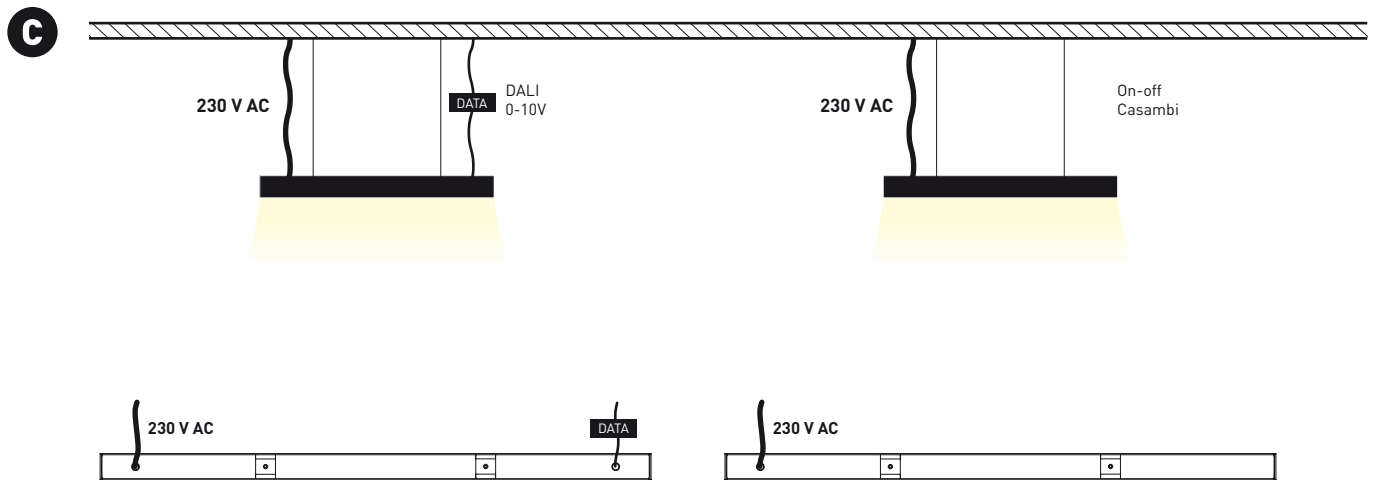
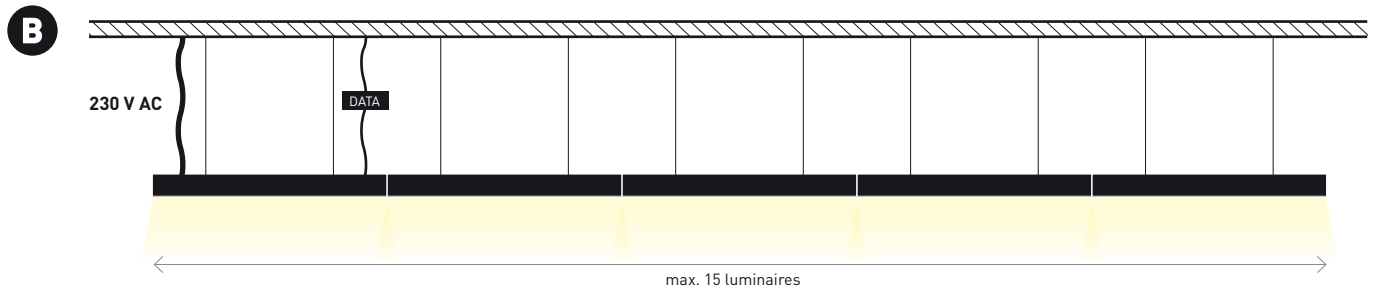
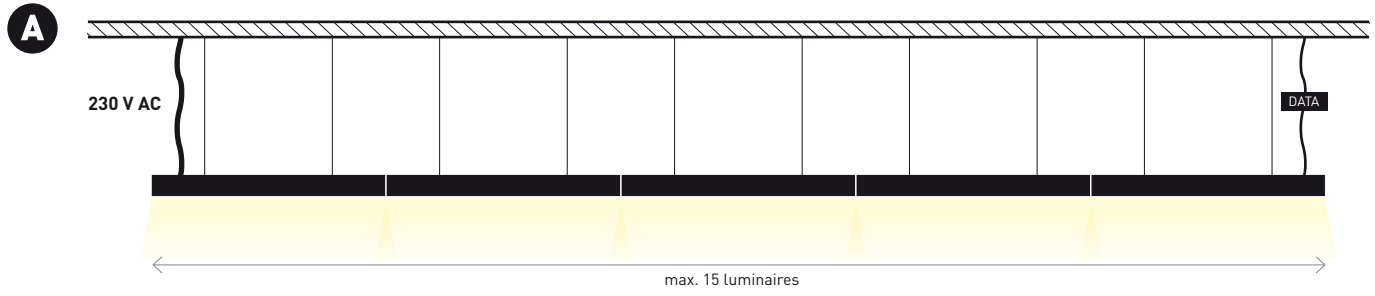
Power and data connection on the top side of the luminaire.
Conexión eléctrica y de datos por la parte superior de la luminaria.



M200125/C02 Reel diffuser milky 25m
M200126/C01 Reel diffuser Microprismatic 25m

Continuous light with diffuser-reel cut on size at site. (Max. 25m)
Luz continua con bobinas-difusor que se puede cortar a medida en la obra.
(Máx. 25m)

230 V AC CONNECTIONS
CONEXIONES 230 V AC



REFERENCES
REFERENCIAS

765 X 5 X X /XX/XXX

COLOUR COLOR

/80/2K7 2700K
/80/3K 3000K
/80/4K 4000K

LENGTH LONGITUD

1 1000 mm
2 2000 mm

FINISHES ACABADOS

0 Silver anodized Anodizado plata
2 Black anodized Anodizado negro
3 White painted Blanco pintado

TYPE MODELO

0 Ceiling mounted / Pendant Adosada a techo / Suspensión
1 Recessed Empotrar

OPTIONS
OPCIONES

The standard version is delivered with:
On/Off control and milky diffuser. End caps and accessories not included.

La versión estándar se suministra con:
control On/Off y difusor opal. Tapas finales y accesorios no incluidos.

CONTROL CONTROL

On/Off (Standard)
DALI
1-10V
Casambi

DIFFUSER DIFUSOR

Milky Opal (Standard)
Microprismatic Microprismatico (UGR<19)

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



Ceiling Mounted & Pendant Accessories

7650901/C12	Silver end cap (2un)
7650901/C13	Black end cap (2un)
7650901/C02	White end cap (2un)
7650903/C12	Silver not visible internal junction between luminaires
7650903/C13	Black not visible internal junction between luminaires
7650903/C02	White not visible internal junction between luminaires
7650905	Ceiling bracket for Sleek Line® 1000mm (2un)
7650906	Ceiling bracket for Sleek Line® 2000mm (3un)

Accesorios Adosada a Techo y Suspensión

Tapa final Plata (2un)	1
Tapa final Negra (2un)	
Tapa final Blanca (2un)	
Unión interna no visible Plata entre luminarias	
Unión interna no visible Negra entre luminarias	2
Unión interna no visible Blanca entre luminarias	
Soporte a techo para Sleek Line® 1000mm (2un)	3
Soporte a techo para Sleek Line® 2000mm (3un)	

Pendant Accessories

7650910	Adjustable suspension (2m) (1un)
7650911/C02	Canopy with 2m power cable (3x1,5mm) (230V)
7650912/C02	Canopy with 2m DALI & 1-10V cable (2x0,5mm)

Accesorios Suspensión

Suspensión regulable (2m) (1un)	4
Florón con cable 2m (3x1,5mm) (230V)	5
Florón con cable 2m DALI & 1-10V (2x0,5mm)	

Recessed Accessories

7650907/C12	Silver recessed end cap (2un)
7650907/C13	Black recessed end cap (2un)
7650907/C02	White recessed end cap (2un)

Accesorios Empotrar

Tapa final empotrar Plata (2un)	
Tapa final empotrar Negra (2un)	
Tapa final empotrar Blanca (2un)	6

Reel Diffuser

M200125/C02	Reel diffuser milky 25m
M200126/C01	Reel diffuser Microprismatic 25m

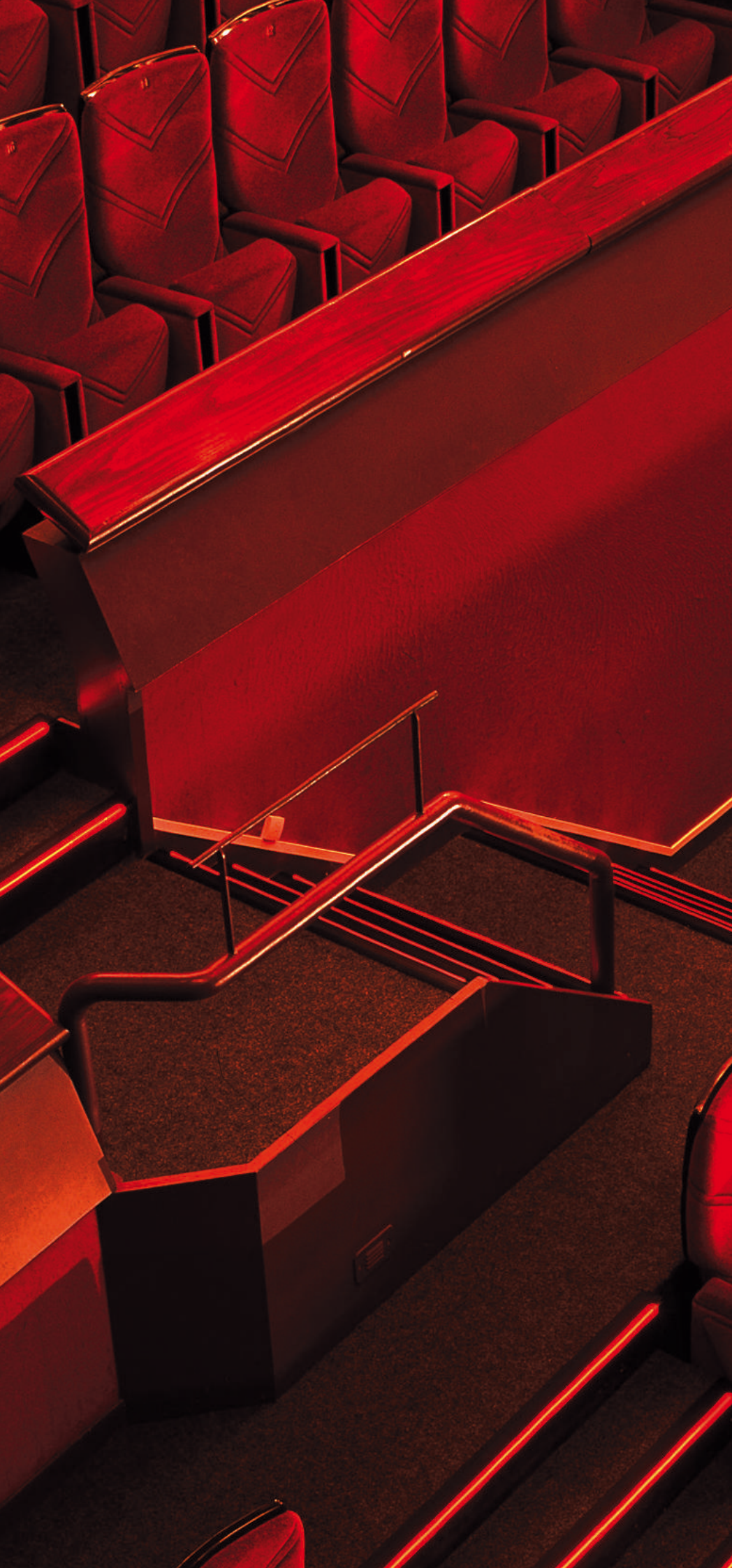
Bobina difusor

Bobina difusor opal 25m	
Bobina difusor microprismatico 25m	7

To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

Palais des Festivals,
Cannes, France





STEP&AISLES PROFILES



STEP PROFILES

- Step lighting profiles
 - Lineal light, dots light and riser illumination types
 - 12V and 24V types
 - Available standard model or ADA compliant
 - Black anodized profile with anti-slip polymer
 - Ready made profiles or in components
 - Accessories: blind profiles, emergency lighting power supply and aisle number plate
 - Applications: cinemas, theaters, auditoriums, etc.
- Perfiles para iluminación de escalones
 - Modelos con iluminación lineal, por puntos y contrahuella
 - Modelos 12V y 24V
 - Disponible en modelo estándar o según norma ADA
 - Perfil de aluminio anodizado negro con goma antideslizante
 - Perfiles montados a medida o por componentes
 - Accesorios: perfiles ciegos, fuente alimentación emergencia y numerador de pasillos
 - Aplicaciones: cines, teatros, auditorios, etc.

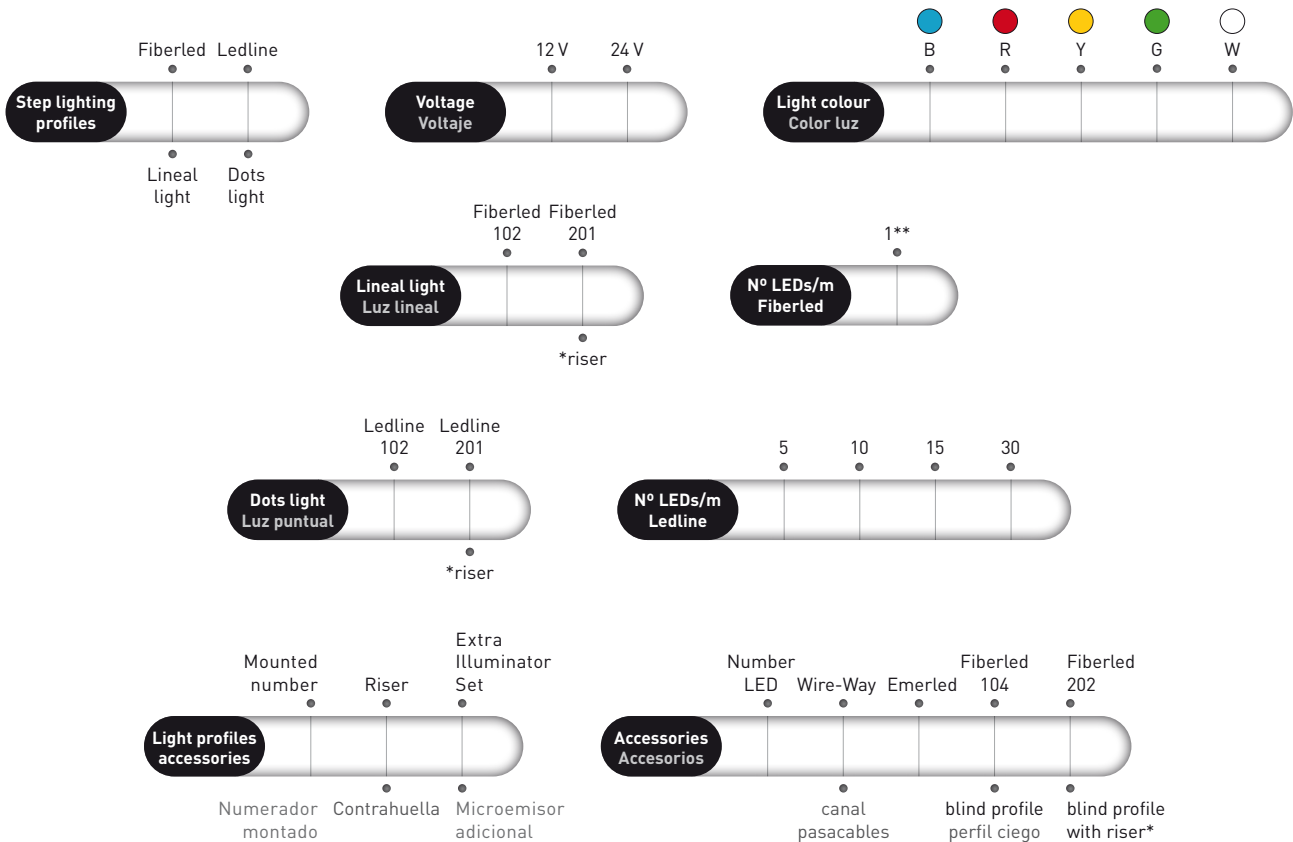


Fiberled 102

Fiberled 201

Ledline 102

Ledline 201

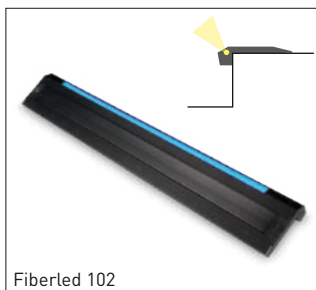


* Optional riser illumination (2, 4 or 8 LEDs/m). Iluminación de contrahuella opcional (2, 4 or 8 LEDs/m).
 ** 2 LEDs recommended for profiles longer than 120 cm. 2 LEDs recomendados para perfiles de más de 120 cm.

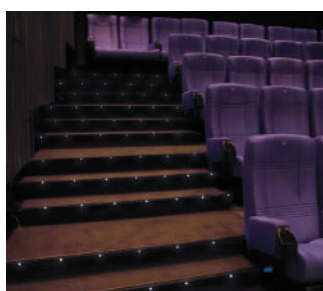
SPECIFICATIONS CARACTERÍSTICAS



FIBERLED															
	Application	Measures (mm)	Weight (kg/m)	Nº of LEDs / m				W/m		Light colour					Optional riser Opción contrahuella
								12V	24V	●	●	●	●	○	
Fiberled 102	step escalón	73,6 x 22	0,89	1				0,25	0,5	x	x	x	x	x	-
Fiberled 201	step escalón	73,6 x 40	1,16	1				0,25	0,5	x	x	x	x	x	2, 4 or 8 LEDs/m



LEDLINE															
	Application	Measures (mm)	Weight (kg/m)	Nº of LEDs / m				W/m		Light colour					Optional riser Opción contrahuella
								12V	24V	●	●	●	●	○	
Ledline 102	step escalón	73,6 x 22	0,89	5	10	15	30	Consult	Consult	x	x	x	x	x	-
Ledline 201	step escalón	73,6 x 40	1,16	5	10	15	30	Consult	Consult	x	x	x	x	x	2, 4 or 8 LEDs/m

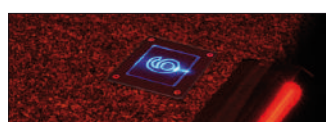


ACCESSORIES													
	Application	Measures (mm)	Weight (kg/m)	Material	Nº of LEDs	W/m		Light colour					Optional riser Opción contrahuella
						12V	24V	●	●	●	●	○	
Numberled 70	floor suelo	70 x 70 x 5	0,08	PVC	1	0,25	0,5	x	x	x	x	x	-
Numberled 110	floor suelo	110 x 110 x 5	0,09	PVC	1	0,25	0,5	x	x	x	x	x	-
Fiberled 104	step escalón	73,6 x 22	0,89	Aluminium	-	-	-	-	-	-	-	-	-
Fiberled 202	step escalón	73,6 x 40	1,16	Aluminium	-	-	-	x	x	x	x	x	2, 4 or 8 LEDs/m
Wire-Way	step escalón	57 x 13	0,03	PVC	-	-	-	-	-	-	-	-	-



Emerled

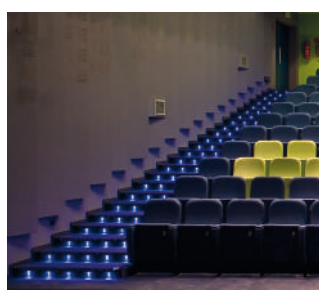
More info p.305



Numberled

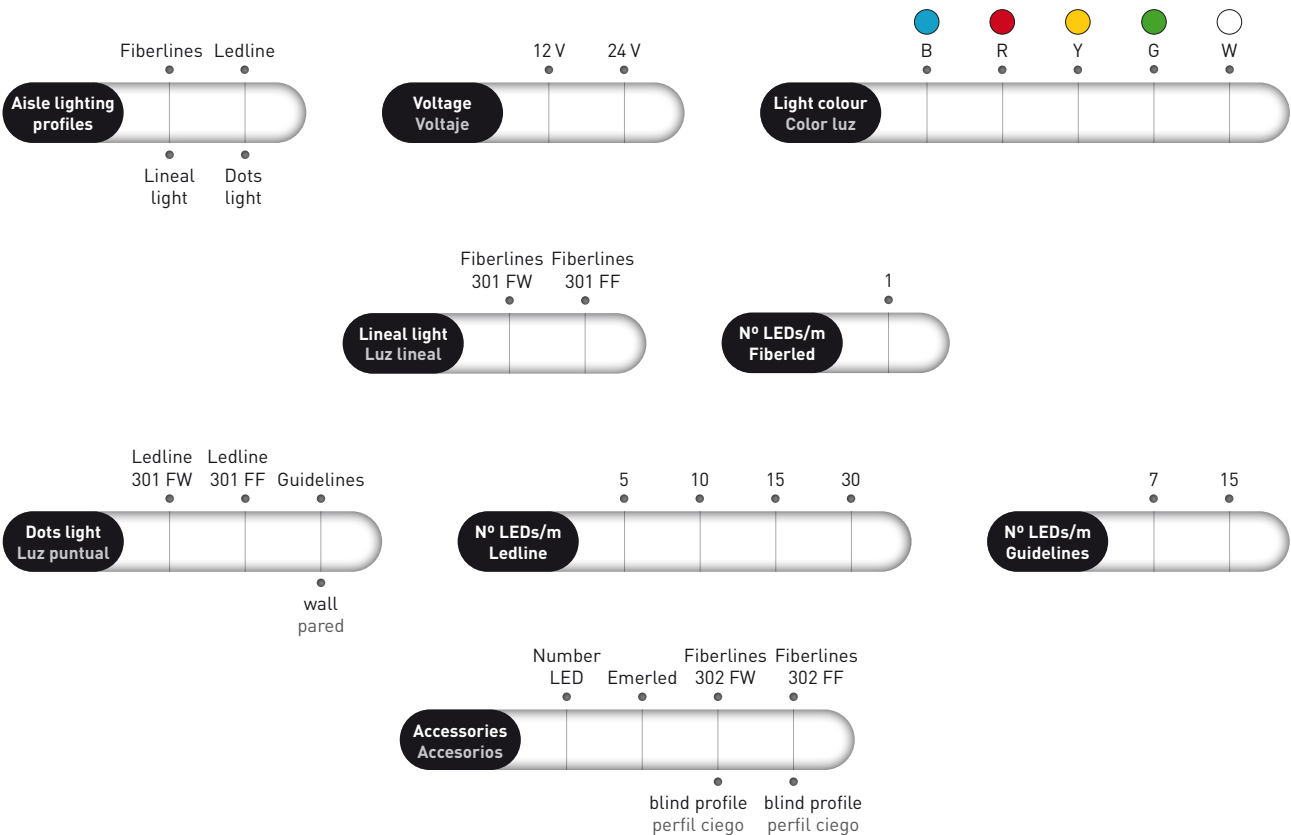
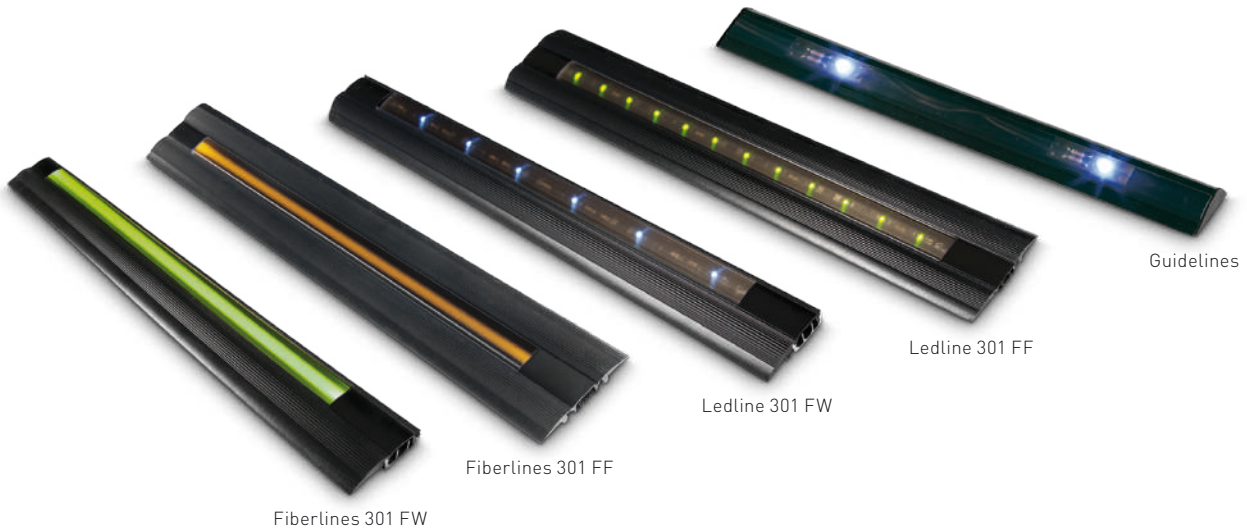


Wire-Way



AISLES PROFILES

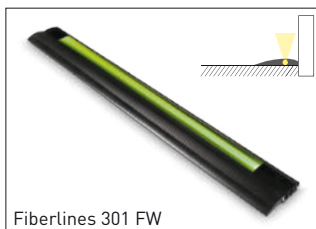
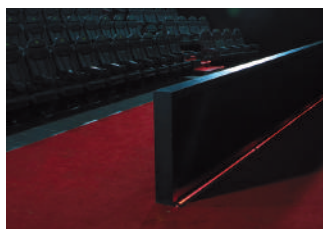
- Aisle lighting profiles
 - Lineal light and dots light types
 - 12V and 24V types
 - Black anodized profile with anti-slip polymer
 - Ready made profiles or in components
 - Accessories: blind profiles, emergency lighting power supply and aisle number plate
 - Applications: cinemas, theaters, auditoriums, etc.
- Perfiles para iluminación de pasillos
 - Modelos con iluminación lineal y por puntos
 - Modelos 12V y 24V
 - Perfil de aluminio anodizado negro con goma antideslizante
 - Perfiles montados a medida o por componentes
 - Accesorios: perfiles ciegos, fuente alimentación emergencia y numerador de pasillos
 - Aplicaciones: cines, teatros, auditorios, etc.



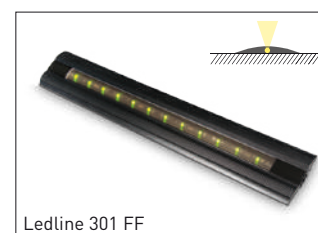
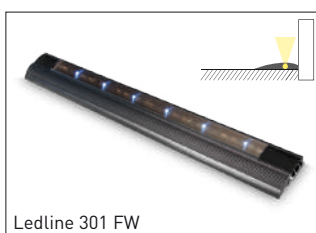
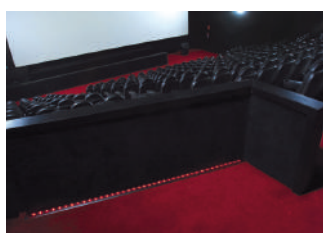
SPECIFICATIONS CARACTERÍSTICAS



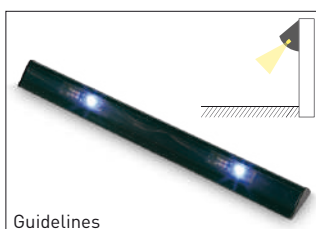
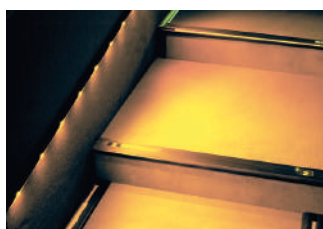
FIBERLINES															
	Application	Measures (mm)	Weight (kg/m)	N° of LEDs / m				W/m		Light colour					
								12V	24V	Blue	Red	Yellow	Green	White	
Fiberlines 301 FW	floor/wall suelo/pared	50,7 x 12,8	0,54	1				0,25	0,5	x	x	x	x	x	x
Fiberlines 301 FF	floor/floor suelo/suelo	75,3 x 12,8	0,73	1				0,25	0,5	x	x	x	x	x	x



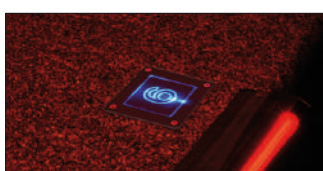
LEDLINE														
	Application	Measures (mm)	Weight (kg/m)	N° of LEDs / m				W/m		Light colour				
								12V	24V	Blue	Red	Yellow	Green	White
Ledline 301 FW	floor/wall suelo/pared	50,7 x 12,8	0,54	5	10	15	30	Consult	Consult	x	x	x	x	x
Ledline 301 FF	floor/floor suelo/suelo	75,3 x 12,8	0,73	5	10	15	30	Consult	Consult	x	x	x	x	x



GUIDELINES													
	Application	Measures (mm)	Weight (kg/m)	N° of LEDs / m		W/m		Light colour					
						12V	24V	Blue	Red	Yellow	Green	White	
Guidelines	wall pared	27 x 18,5	0,19	7	15	Consult	Consult	x	x	x	x	x	x



ACCESSORIES													
	Application	Measures (mm)	Weight (kg/m)	Material	N° of LEDs	W/m		Light colour					
						12V	24V	Blue	Red	Yellow	Green	White	
Numberled 70	floor suelo	70 x 70 x 5	0,08	PVC	1	0,25	0,5	x	x	x	x	x	x
Numberled 110	floor suelo	110 x 110 x 5	0,09	PVC	1	0,25	0,5	x	x	x	x	x	x
Fiberlines 302 FW	floor/wall suelo/pared	50,7 x 12,8	0,88	Aluminium	-	-	-	-	-	-	-	-	-
Fiberlines 302 FF	floor/floor suelo/suelo	81,8 x 12,8	0,88	Aluminium	-	-	-	-	-	-	-	-	-



Numberled



Emerled

More info p.307



Fiberlines 302 FW



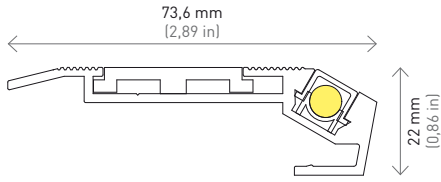
Fiberlines 302 FF

STEP PROFILES

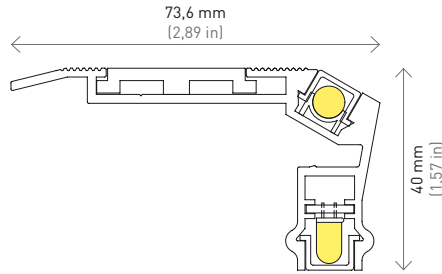
MEASURES STEP LIGHTING PROFILES MEDIDAS PERFILES PARA ESCALÓN

FIBERLED

Fiberled 102

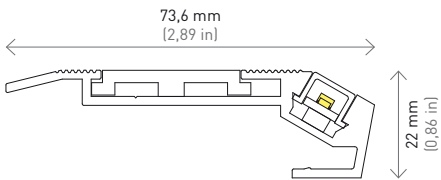


Fiberled 201

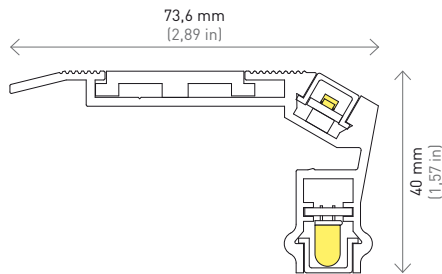


LEDLINE

Ledline 102

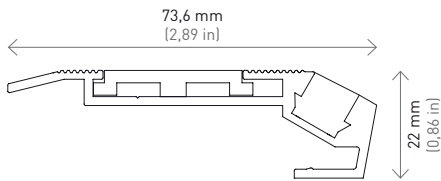


Ledline 201

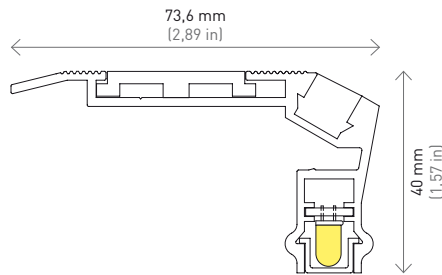


ACCESORIES

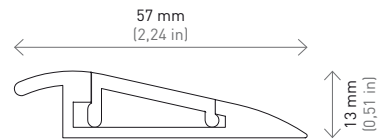
Fiberled 104



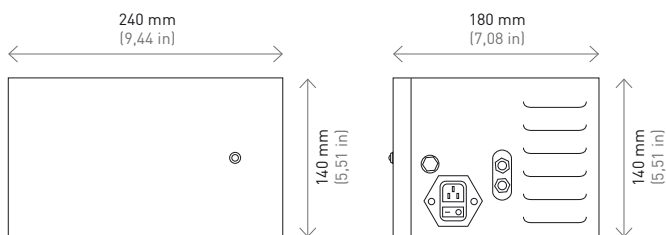
Fiberled 202



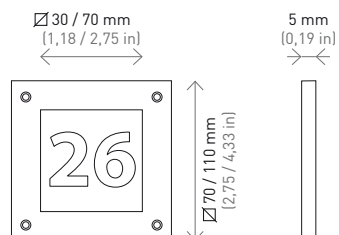
Wire-Way



Emerled



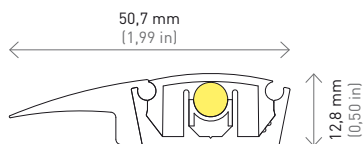
Numberled



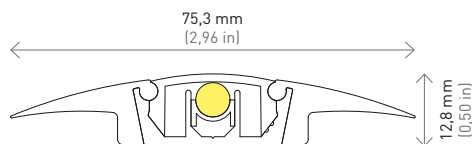
MEASURES AISLE LIGHTING PROFILES MEDIDAS PERFILES PARA PASILLOS

FIBERLINES

Fiberlines 301 FW

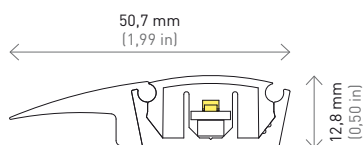


Fiberlines 301 FF

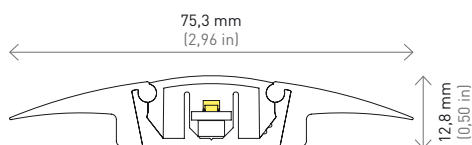


LEDLINE

Ledline 301 FW

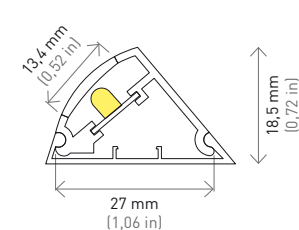


Ledline 301 FF



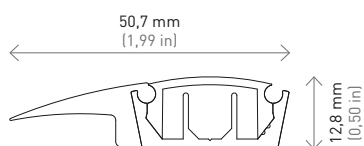
GUIDELINES

Guidelines

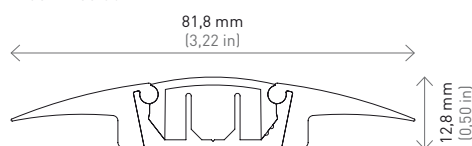


ACCESORIES

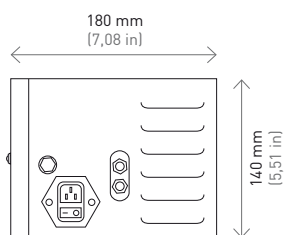
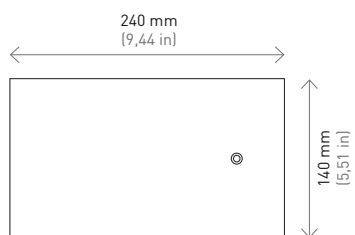
Fiberlines 302 FW



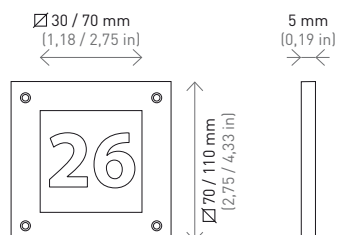
Fiberlines 302 FF



Emerled



Numberled



STEP PROFILES

COMPLETE READY SYSTEM - REFERENCES SISTEMA COMPLETO - REFERENCIAS



Fiberled 102	12V	Standard			Black anodized profile with anti-slip polymer (1m) Perfil anodizado en negro con goma antideslizante (1m)	7020200/C..	1	
	24V	Standard				7020210/C..		
	12V	ADA compliant	Norma ADA			7020201/C..		
	24V	ADA compliant	Norma ADA			7020211/C..		
Fiberled 201	12V	Standard			Black anodized profile with anti-slip polymer (1m) *Option: riser illumination Perfil anodizado en negro con goma antideslizante (1m) *Opción: iluminación de contrahuella	7020500/C..	2	
	24V	Standard				7020510/C..		
	12V	ADA compliant	Norma ADA			7020501/C..		
	24V	ADA compliant	Norma ADA			7020511/C..		
Ledline 102	12V	Standard	5 LEDs		Black anodized profile with anti-slip polymer and electronic module (1m) Perfil anodizado en negro con goma antideslizante y módulo electrónico (1m)	7090200/C..	3	
	12V	Standard	10 LEDs			7090201/C..		
	12V	Standard	15 LEDs			7090202/C..		
	12V	Standard	30 LEDs			7090203/C..		
	24V	Standard	5 LEDs			7090220/C..		
	24V	Standard	10 LEDs			7090221/C..		
	24V	Standard	15 LEDs			7090222/C..		
	24V	Standard	30 LEDs			7090223/C..		
	12V	ADA compliant	Norma ADA	5 LEDs				7090205/C..
	12V	ADA compliant	Norma ADA	10 LEDs				7090206/C..
	12V	ADA compliant	Norma ADA	15 LEDs				7090207/C..
	12V	ADA compliant	Norma ADA	30 LEDs				7090208/C..
	24V	ADA compliant	Norma ADA	5 LEDs				7090225/C..
	24V	ADA compliant	Norma ADA	10 LEDs				7090226/C..
	24V	ADA compliant	Norma ADA	15 LEDs				7090227/C..
	24V	ADA compliant	Norma ADA	30 LEDs				7090228/C..
Ledline 201	12V	Standard	5 LEDs		Black anodized profile with anti-slip polymer, and electronic module (1m) *Option: riser illumination Perfil anodizado en negro con goma antideslizante, y módulo electrónico (1m) *Opción: iluminación de contrahuella	7090300/C..	4	
	12V	Standard	10 LEDs			7090301/C..		
	12V	Standard	15 LEDs			7090302/C..		
	12V	Standard	30 LEDs			7090303/C..		
	24V	Standard	5 LEDs			7090320/C..		
	24V	Standard	10 LEDs			7090321/C..		
	24V	Standard	15 LEDs			7090322/C..		
	24V	Standard	30 LEDs			7090323/C..		
	12V	ADA compliant	Norma ADA	5 LEDs				7090305/C..
	12V	ADA compliant	Norma ADA	10 LEDs				7090306/C..
	12V	ADA compliant	Norma ADA	15 LEDs				7090307/C..
	12V	ADA compliant	Norma ADA	30 LEDs				7090308/C..
	24V	ADA compliant	Norma ADA	5 LEDs				7090325/C..
	24V	ADA compliant	Norma ADA	10 LEDs				7090326/C..
	24V	ADA compliant	Norma ADA	15 LEDs				7090327/C..
	24V	ADA compliant	Norma ADA	30 LEDs				7090328/C..

* The electronic module for the riser illumination must be ordered separately

* El módulo electrónico para la iluminación de la contrahuella debe pedirse por separado

Also available in silver-grey anodized
También disponible en gris-plata anodizado

Possibility to cut to needed size, max. 2m
Posibilidad de cortar a medida, máx. 2m

Complete reference with color number
Complete la referencia con el número del color

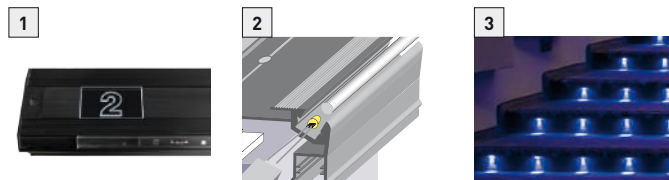


...09	Blue	Azul
...03	Red	Rojo
...07	Yellow	Amarillo
...08	Green	Verde
...02	White	Blanco

For more information you can consult our Safety & Decorative Lighting catalogue

Para más información puede consultar nuestro catálogo de Balizamiento de Seguridad e Iluminación Decorativa

LIGHT PROFILE ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS PARA PERFIL



Fiberled 102 / 201 - Ledline 102 / 201		Fiberled 102 / 201 - Ledline 102 / 201		
8040101/C..	Mounted deep engraved number plate with miniature illuminator set 12V DC. Only up two digits or letters (1un)	Numerador fresado montado con conjunto microemisor 12V DC. Máximo 2 dígitos o letras (1un)		1
8040102/C..	Mounted deep engraved number plate with miniature illuminator set 24V DC. Only up two digits or letters (1un)	Numerador fresado montado con conjunto microemisor 24V DC. Máximo 2 dígitos o letras (1un)		
Fiberled 102 / 201		Fiberled 102 / 201		
8060101/C..	**Mounted Extra-Illuminator Set 12V DC (1un)	**Microemisor adicional montado 12V DC (1un)		2
8060102/C..	**Mounted Extra-Illuminator Set 24V DC (1un)	**Microemisor adicional montado 24V DC (1un)		
Fiberled 201 / 202 - Ledline 201		Fiberled 201 / 202 - Ledline 201		
8070201/C..	Mounted electronic module for riser - 2 LEDs/m 12V DC (1m)	Módulo electrónico montado para contrahuella - 2 LEDs/m 12V DC (1m)		3
8070202/C..	Mounted electronic module for riser - 2 LEDs/m 24V DC (1m)	Módulo electrónico montado para contrahuella - 2 LEDs/m 24V DC (1m)		
8070203/C..	Mounted electronic module for riser - 4 LEDs/m 12V DC (1m)	Módulo electrónico montado para contrahuella - 4 LEDs/m 12V DC (1m)		
8070204/C..	Mounted electronic module for riser - 4 LEDs/m 24V DC (1m)	Módulo electrónico montado para contrahuella - 4 LEDs/m 24V DC (1m)		
8070205/C..	Mounted electronic module for riser - 8 LEDs/m 12V DC (1m)	Módulo electrónico montado para contrahuella - 8 LEDs/m 12V DC (1m)		
8070206/C..	Mounted electronic module for riser - 8 LEDs/m 24V DC (1m)	Módulo electrónico montado para contrahuella - 8 LEDs/m 24V DC (1m)		

** Recommended for profiles longer than 120 cm Recomendado para perfiles de más de 120 cm

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



8040221/C..	NUMBERLED engraved 110x110 mm - 12V DC	NUMBERLED grabado 110x110 mm - 12V DC		1
8040222/C..	NUMBERLED engraved 110x110 mm - 24V DC	NUMBERLED grabado 110x110 mm - 24V DC		
8040321/C..	NUMBERLED engraved 70x70 mm - 12V DC	NUMBERLED grabado 70x70 mm - 12V DC		
8040322/C..	NUMBERLED engraved 70x70 mm - 24V DC	NUMBERLED grabado 70x70 mm - 24V DC		
M130219/C13	WIRE-WAY Cover profile in black polymer	WIRE-WAY Perfil tapa en polímero negro		2
M130218	WIRE-WAY Semi-rigid base profile in black polymer	WIRE-WAY Perfil base semi-rígido en polímero negro		
M130214	WIRE-WAY wide endcap right E-102	WIRE-WAY Tapa lateral derecha E-102		3
M130215	WIRE-WAY wide endcap left E-102	WIRE-WAY Tapa lateral izquierda E-102		
M130216	WIRE-WAY wide endcap right E-201	WIRE-WAY Tapa lateral derecha E-201		4
M130217	WIRE-WAY wide endcap left E-201	WIRE-WAY Tapa lateral izquierda E-201		
3080205	EMERLED - 12V Emergency lighting power supply 150 W (1 h. and 1 min. autonomy)	EMERLED - Fuente de alimentación 12V para iluminación de emergencia 150W (1h. y 1 min. de autonomía)		5
3080206	EMERLED - 24V Emergency lighting power supply 150 W (1 h. and 1 min. autonomy)	EMERLED - Fuente de alimentación 24V para iluminación de emergencia 150W (1h. y 1 min. de autonomía)		
3090463	IP20 Power supply 150W 12V DC (159x97x30 mm)	Fuente alimentación 150W 12V DC IP20 (159x97x30 mm)		6
3090483	IP20 Power supply 150W 24V DC (159x97x30 mm)	Fuente alimentación 150W 24V DC IP20 (159x97x30 mm)		
7020400	FIBERLED 104 - Black anodized profile with anti-slip polymer Standard version (1m)	FIBERLED 104 - Perfil anodizado en negro con goma antideslizante Versión Standard (1m)		7
7020401	FIBERLED 104 - Black anodized profile with anti-slip polymer ADA compliant (1m)	FIBERLED 104 - Perfil anodizado en negro con goma antideslizante Norma ADA (1m)		
7020600	FIBERLED 202 - Black anodized profile with anti-slip polymer Standard version (1m)	FIBERLED 202 - Perfil anodizado en negro con goma antideslizante Versión Standard (1m)		8
7020601	FIBERLED 202 - Black anodized profile with anti-slip polymer ADA compliant (1m). *Option: riser illumination	FIBERLED 202 - Perfil anodizado en negro con goma antideslizante Norma ADA (1m). *Opción: iluminación de contrahuella		

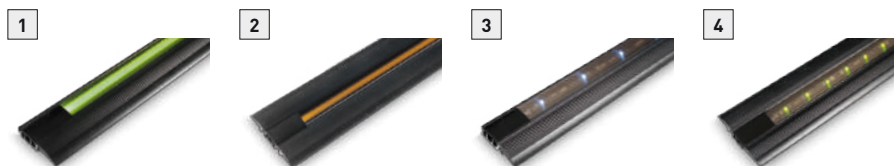
* The electronic module for the riser illumination must be ordered separately

* El módulo electrónico para la iluminación de la contrahuella debe pedirse por separado

AISLES PROFILES

* COMPLETE READY SYSTEM - REFERENCES

* SISTEMA COMPLETO - REFERENCIAS



Fiberlines 301 FW	12V	Standard		Black anodized profile with anti-slip surface (1m) For installation and finishes between one floor and one wall Perfil anodizado en negro con superficie antideslizante (1m) Para instalación y acabados entre un suelo y una pared	7030900/C..	1
	24V	Standard			7030904/C..	
Fiberlines 301 FF	12V	Standard		Black anodized profile with anti-slip surface (1m) For installation and finishes between two floors Perfil anodizado en negro con superficie antideslizante (1m) Para instalación y acabados entre dos suelos	7030700/C..	2
	24V	Standard			7030704/C..	
Ledline 301 FW	12V	Standard	5 LEDs	Black anodized profile with anti-slip surface and electronic module (1m) For installation and finishes between one floor and one wall Perfil anodizado en negro con superficie antideslizante y módulo electrónico (1m) Para instalación y acabados entre un suelo y una pared	7090700/C..	3
	12V	Standard	10 LEDs		7090701/C..	
	12V	Standard	15 LEDs		7090702/C..	
	12V	Standard	30 LEDs		7090703/C..	
	24V	Standard	5 LEDs		7090705/C..	
	24V	Standard	10 LEDs		7090706/C..	
	24V	Standard	15 LEDs		7090707/C..	
	24V	Standard	30 LEDs		7090708/C..	
Ledline 301 FF	12V	Standard	5 LEDs	Black anodized profile with anti-slip surface and electronic module (1m) For installation and finishes between two floors Perfil anodizado en negro con superficie antideslizante y módulo electrónico (1m) Para instalación y acabados entre dos suelos	7090600/C..	4
	12V	Standard	10 LEDs		7090601/C..	
	12V	Standard	15 LEDs		7090602/C..	
	12V	Standard	30 LEDs		7090603/C..	
	24V	Standard	5 LEDs		7090605/C..	
	24V	Standard	10 LEDs		7090606/C..	
	24V	Standard	15 LEDs		7090607/C..	
	24V	Standard	30 LEDs		7090608/C..	

* In addition to the complete system, you must order end-caps separately


* En el sistema completo deben pedirse las tapas finales aparte

Also available in silver-grey anodized

También disponible en gris-plata anodizado

Possibility to cut to needed size, max. 2m

Posibilidad de cortar a medida, máx. 2m

 To control the luminaires via Bluetooth see page 312
Para controlar las luminarias via Bluetooth consultar página 312

For more information you can consult our Safety & Decorative Lighting catalogue

Para más información puede consultar nuestro catálogo de Balizamiento de Seguridad e Iluminación Decorativa

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



8040221/C..	NUMBERLED engraved 110x110 mm - 12V DC	NUMBERLED grabado 110x110 mm - 12V DC	1
8040222/C..	NUMBERLED engraved 110x110 mm - 24V DC	NUMBERLED grabado 110x110 mm - 24V DC	
8040321/C..	NUMBERLED engraved 70x70 mm - 12V DC	NUMBERLED grabado 70x70 mm - 12V DC	
8040322/C..	NUMBERLED engraved 70x70 mm - 24V DC	NUMBERLED grabado 70x70 mm - 24V DC	
3080205	EMERLED - 12V Emergency lighting power supply 150 W (1 h. and 1 min. autonomy)	EMERLED - Fuente de alimentación 12V para iluminación de emergencia 150W (1h. y 1 min. de autonomía)	2
3080206	EMERLED - 24V Emergency lighting power supply 150 W (1 h. and 1 min. autonomy)	EMERLED - Fuente de alimentación 24V para iluminación de emergencia 150W (1h. y 1 min. de autonomía)	
3090463	IP20 Power supply 150W 12V DC (159x97x30 mm)	Fuente alimentación 150W 12V DC IP20 (159x97x30 mm)	3
3090483	IP20 Power supply 150W 24V DC (159x97x30 mm)	Fuente alimentación 150W 24V DC IP20 (159x97x30 mm)	
7020600	FIBERLINES 302 FW - Black anodized profile non illuminated (1m) For installation and finishes between one floor and one wall	FIBERLINES 302 FW - Perfil anodizado en negro no iluminado (1m) Para instalación y acabados entre un suelo y una pared	4
7020600	FIBERLINES 302 FF - Black anodized profile non illuminated (1m) For installation and finishes between two floors	FIBERLINES 302 FF - Perfil anodizado en negro no iluminado (1m) Para instalación y acabados entre dos suelos	5



Royal Walls of Ceuta,
Ceuta, Spain





CONTROLLERS SPLITTERS DRIVERS BLUETOOTH POWER SUPPLY



MCI LIGHT offers the following services:

- Pre-wire visit
- Onsite commissioning
- Onsite programming (DMX-RDM, DALI, Art-Net, Bluetooth system...)
- Training
- Offsite show programming

MCI LIGHT ofrece los siguientes servicios:

- Visita preinstalación
- Verificación y puesta en marcha de la instalación
- Programación en la obra (DMX-RDM, DALI, Art-Net, sistemas Bluetooth ...)
- Formación
- Programación escenas lumínicas

DINA CONTROLLERS

CONTROLLERS DINA RANGE RANGO DE CONTROLADORES DINA



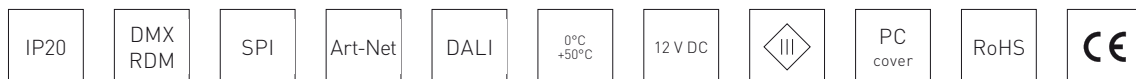
	DR1	DR1 LITE	DRμ
GENERAL GENERAL			
Dimensions Dimensiones	160 x 91 x 62 mm	106 x 146 x 10 mm	106 x 146 x 10 mm
Weight Peso	317g	317g	16g
USB connection Conexión USB	●	●	●
Ethernet connection Conexión Ethernet	●	●	—
Output channels Canales de salida	3072 [DMX, Art-Net, SPI]	1024 [DMX] ^[2]	60 [DMX]
RDM	●	●	—
SPI (LED Pixel)	●	Optional Opcional	—
Art-Net	●	Optional Opcional	—
DALI	● ^[1]	Optional Opcional	—
Memory capacity Capacidad de memoria	16 MB	16 MB	8KB
Micro SD card Tarjeta Micro SD	●	Optional Opcional	—
Light cloud Internet cloud	●	Optional Opcional	—
SOFTWARE PROGRAMMING SOFTWARE DE PROGRAMACIÓN			
ESA2	PC/Mac	PC/Mac	PC/Mac
ESA PRO 2	PC/Mac	PC/Mac	—
Remote control apps	iOS/Android	iOS/Android	—
Arcolis app	iOS/Android	iOS/Android	—
STANDALONE MODE MODO STANDALONE			
Number of scenes Numero de escenas	2000	2000	99
Number of zones Numero de zonas	20	20	1
Power voltage Tensión de alimentación	8-15V DC	8-15V DC	5-5,5V DC
Power connector Conector de alimentación	Screw terminal Terminal de tornillo	Screw terminal Terminal de tornillo	Mini USB Mini USB
TRIGGERING ACTIVADORES			
Ports Puertos	8	8	1
Clock/calendar triggers Despertadores de reloj / calendario	●	●	—
RS232	●	Optional Opcional	—
Ethernet connection Conexión Ethernet	●	●	—
Audio Audio	●	Optional Opcional	—
DALI	●	Optional Opcional	—
ACCESORIES ACCESORIOS			
AC/DC adapter Adaptador AC / DC	Included Incluido	Included Incluido	Included Incluido

[1] Coming soon Proximamente

[2] Upgradable to 3072 channels as an option Ampliable hasta 3072 canales es opcional

DINA CONTROLLERS SPECIFICATIONS CARACTERÍSTICAS CONTROLADORES DINA

SPECIFICATIONS DR1 CARACTERÍSTICAS DR1



7150680 6 univers DMX-RDM + ART-NET + SPI + DALI controller / DINA DR1 Controlador 6 universos DMX-RDM + ART-NET + SPI + DALI / DINA DR1

SPECIFICATIONS DR1 LITE CARACTERÍSTICAS DR1 LITE



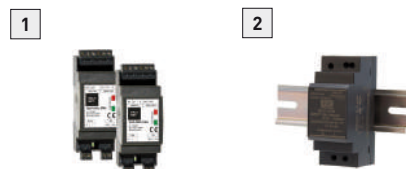
7150681 2 univers DMX-RDM controller / DINA DR1 lite Controlador 2 universos DMX-RDM / DINA DR1 lite

SPECIFICATIONS DRμ CARACTERÍSTICAS DRμ



7150682 60 channels DMX controller / DINA DR micro Controlador 60 canales DMX / DINA DR micro

BUS SIGNAL CONVERTER PASARELAS DE SEÑAL



7150644	Bus signal converter DALI to DMX 64 channels	Pasarela de DALI a DMX 64 canales	1
7150645	Bus signal converter DMX to DALI 64 channels	Pasarela de DMX a DALI 64 canales	1
7150646	DALI power supply for bus converter	Fuente alimentación para pasarela DALI	2

CONTROLLERS

STICK RANGE RANGO DE STICKS



	STICK-GU2	STICK-CW4	STICK-DE3
GENERAL GENERAL			
Dimensions Dimensiones	86 x 86 x 11 mm	106 x 146 x 10 mm	106 x 146 x 10 mm
Weight Peso	200g	250g	113g
USB connection Conexión USB	●	●	●
Ethernet connection Conexión Ethernet	—	●	—
WIFI connection Conexión WIFI	●	—	—
DMX channels Canales DMX	1024	1024	128
Micro SD card Tarjeta Micro SD	—	●	—
SOFTWARE PROGRAMMING SOFTWARE DE PROGRAMACIÓN			
ESA2	PC/Mac	PC/Mac	PC/Mac
ESA PRO	—	PC	—
ESA PRO 2	PC/Mac	PC/Mac	PC/Mac
Remote control apps	iOS/Android	iOS/Android	iOS/Android
Arcolis app	iOS/Android	iOS/Android	—
STANDALONE MODE MODO STANDALONE			
Number of scenes Numero de escenas	36	500	24
Number of zones Numero de zonas	1	10	1
Memory capacity (20 channels) Capacidad de memoria (20 canales)	2729 steps 2729 pasos	SD card limit Límite de la tarjeta SD	842 steps 842 pasos
Memory capacity (512 channels) Capacidad de memoria (512 canales)	124 steps 124 pasos	SD card limit Límite de la tarjeta SD	—
Power voltage Tensión de alimentación	5-15V DC	5-6V DC	5-12V DC
Power connector Conector de alimentación	Screw terminal or RJ45 Terminal de tornillo o RJ45	Screw terminal or RJ45 Terminal de tornillo o RJ45	Screw terminal Terminal de tornillo
TRIGGERING ACTIVADORES			
Live control Control en vivo	●	●	●
Touch-sensitive buttons Pulsadores táctiles	3	12 + wheel	10 + wheel
Port triggers Activadores de puerto	8	8	1
Clock/calendar triggers Despertadores de reloj / calendario	100 / astronomical 100 / astronómico	100 / astronomical 100 / astronómico	—
RS232	—	●	—
Internet Control Control por internet	—	Coming soon Próximamente	—
Ethernet integration Integración Ethernet	—	●	—
ACCESORIES ACCESORIOS			
AC/DC adapter Adaptador AC / DC	Included Incluido	Included Incluido	Included Incluido
RJ45 to block board RJ45 para bloquear la placa	Ref. 7150614	Ref. 7150614	—

STICK SPECIFICATIONS CARACTERÍSTICAS STICKS

SPECIFICATIONS STICK-GU2 CARACTERÍSTICAS STICK-GU2





REFERENCES REFERENCIAS

7150611/C02	Mundosoft Stick-GU2 white	Mundosoft Stick-GU2 blanco
7150611/C13	Mundosoft Stick-GU2 black	Mundosoft Stick-GU2 negro
	For installation.	Para instalación.
M030224	BELDEN 3105A cable	Cable BELDEN 3105A

SPECIFICATIONS STICK-CW4 CARACTERÍSTICAS STICK-CW4



REFERENCES REFERENCIAS

				
7150615/C13	Mundosoft Stick-CW4 black	Mundosoft Stick-CW4 negro		
7150615/C02	Mundosoft Stick-CW4 white	Mundosoft Stick-CW4 blanco		
7150614	Acc. RJ45 Power&Data connection	Acc. Conexión RJ45 Power&Data		1
M030242	Patch cord CAT-6 2m RJ45	Latiguillo CAT-6 2 m RJ45		2
	For installation.	Para instalación.		
M030224	BELDEN 3105A cable	Cable BELDEN 3105A		

SPECIFICATIONS STICK-DE3 CARACTERÍSTICAS STICK-DE3



REFERENCES REFERENCIAS

				
7150612/C02	Mundosoft STICK-DE3 white	Mundosoft STICK-DE3 blanco		
7150612/C13	Mundosoft STICK-DE3 black	Mundosoft STICK-DE3 negro		
7150614	Acc. RJ45 Power&Data connection	Acc. Conexión RJ45 Power&Data		1
M030242	Patch cord CAT-6 2m RJ45	Latiguillo CAT-6 2 m RJ45		2
	For installation.	Para instalación.		
M030224	BELDEN 3105A cable	Cable BELDEN 3105A		

CONTROLLERS

SLESA RANGE RANGO DE SLESA



	MUNDOSOFT U8	MUNDOSOFT U7
GENERAL GENERAL		
Dimensions Dimensiones	77 x 87 x 40mm	77 x 87 x 40mm
Weight Peso	210g	210g
USB connection Conexión USB	●	●
Ethernet connection Conexión Ethernet	—	●
DMX channels Canales DMX	512	1024
Micro SD card Tarjeta Micro SD	—	●
SOFTWARE PROGRAMMING SOFTWARE DE PROGRAMACIÓN		
ESA2	PC/Mac	PC/Mac
ESA PRO	—	PC
ESA PRO 2	PC/Mac	PC/Mac
Remote control apps	—	iOS/Android
IR remote control Control remoto IR	—	—
STANDALONE MODE MODO STANDALONE		
Number of scenes Numero de escenas	255	200
Number of zones Numero de zonas	1	5
Standalone memory Memoria Standalone	128k	micro SD
Memory capacity (20 channels) Capacidad de memoria (20 canales)	1200 steps 1200 pasos	unlimited ilimitada
Memory capacity (60 channels) Capacidad de memoria (60 canales)	440 steps 440 pasos	unlimited ilimitada
Memory capacity (512 channels) Capacidad de memoria (512 canales)	240 steps 240 pasos	unlimited ilimitada
Power voltage Tensión de alimentación	5-5,5V DC	5-5,5V DC
Power connector Conector de alimentación	Mini USB	Mini USB
TRIGGERING ACTIVADORES		
Mechanical buttons Botones mecánicos	3	3
Internal connector Conector interno	HE10	HE10
Port triggers Activadores de puerto	8	8
Clock/calendar triggers Despertadores de reloj / calendario	100 / astronomical 100 / astronómico	40 / astronomical 40 / astronómico
Ethernet integration Integración Ethernet	—	●
ACCESORIES ACCESORIOS		
AC/DC adapter Adaptador AC / DC	Included Incluido	Included Incluido

SLESA SPECIFICATIONS CARACTERÍSTICAS SLESA

SPECIFICATIONS MUNDOSOFT U8 CARACTERÍSTICAS MUNDOSOFT U8

IP20	DMX RDM	9 V DC		PC cover	0°C +50°C 32°F +122°F	RoHS	CE
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REFERENCES REFERENCIAS

7150609	Mundosoft Standalone U8 RGB	Mundosoft Standalone U8 RGB
7150629	Mundosoft Standalone U8 RGBW	Mundosoft Standalone U8 RGBW
	For installation.	Para instalación.
M083070	XLR male connector 3 pins	Conector XLR macho 3 vías
M030224	BELDEN 3105A cable	Cable BELDEN 3105A

SPECIFICATIONS MUNDOSOFT U7 CARACTERÍSTICAS MUNDOSOFT U7

IP20	DMX RDM	9 V DC		PC cover	0°C +50°C 32°F +122°F	RoHS	CE
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REFERENCES REFERENCIAS

7150630	Mundosoft Standalone UE7	Mundosoft Standalone UE7
	For installation.	Para instalación.
M083070	XLR male connector 3 pins	Conector XLR macho 3 vías
M083147	XLR male connector 5 pins	Conector XLR macho 5 vías
M030224	BELDEN 3105A cable	Cable BELDEN 3105A



Royal Walls of Ceuta,
Ceuta, Spain

SPLITTERS & DATA FIBER OPTIC

DMX signal Splitter is used to isolate and amplify the input signal of the output, protecting the DMX controller from potential damages by short circuit in the signal cable. It is also used to amplify the signal over long runs of DMX cabling, preventing that the signal is reduced for such cause.

The Splitters are equipped with screwed connection.

The maximum recommended cable distance is 100 m. Our Splitter can support up to 15 or 30 charges by each one of its DMX outputs.

For installations where the distance between the controller and the receiver is more than 100 m., we can set Splitters in series or dispose fiber optic converters.

Our converter DMX / FO / DMX can support up to 30 charges for each of the three available DMX outputs. The recommended maximum distance is 2000 m.

Un Splitter de señal DMX se utiliza para aislar y amplificar la señal de entrada de DMX de las salidas protegiendo al controlador DMX de posibles daños por cortocircuito en el cable de señal. También se utiliza para amplificar la señal DMX en largas tiradas de cableado, evitando que la señal disminuya por dicha causa.

Los Splitters vienen equipados con conexión de tornillo.

La distancia máxima recomendada de tirada de cable es de 100 m. Nuestro Splitter puede soportar hasta 15 o 30 cargas por cada una de sus salidas DMX.

Para instalaciones donde la distancia entre el controlador y los receptores es mayor de 100 m., podemos poner Splitters en serie o disponer de convertidores de fibra óptica.

Nuestro convertidor DMX / FO / DMX puede soportar hasta 30 cargas por cada una de las tres salidas DMX que dispone. La distancia máxima recomendada es de 2000 m.

SPECIFICATIONS ESPECIFICACIONES



	DIN RAIL SPLITTER	DIN RAIL CONVERTER	DIN RAIL F.O. EMITTER	SPLITTER DMX RDM 2 OUTPUTS	DIN RAIL SPLITTER DMX RDM 4 OUTPUTS
Power consumption	6W	6W	6W	4W	1W
Measures	90 x 23 x 98 mm	90 x 23 x 110 mm	90 x 23 x 110 mm	88 x 54 x 26 mm	72 x 92 x 62 mm
Weight	0,2 kg	0,2 kg	0,2 kg	0,08 kg	0,12 kg
Housing	Polycarbonate / Policarbonato	Polycarbonate / Policarbonato	Polycarbonate / Policarbonato	Polycarbonate / Policarbonato	Polycarbonate / Policarbonato
Input voltage	24V DC	24V DC	24V DC	12-24V DC	12-48V DC
Protection class	III	III	III	III	III
Controller type	DMX512-A	DMX512-A	DMX512-A	DMX RDM	DMX RDM
DMX Output numbers	6	3	2	2 + 1 THRU	4 + 1 THRU
DMX Input numbers	1	-	1	1	1
Fiber Optical transmission	-	1	1	-	-
Fiber Optical reception	-	1	-	-	-



REFERENCES REFERENCIAS

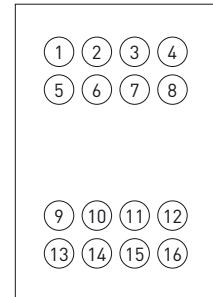
7150130	DIN rail format 6 outputs Splitter	Splitter 6 salidas formato caril DIN
5020701	Converter fiber optics / DMX	Convertidor fibra óptica / DMX
5020702	DMX / Fiber optics emitter	Emisor DMX / Fibra óptica
7150133	DMX RDM 2 outputs Splitter	Splitter 2 salidas DMX RDM
7150134	DIN rail format DMX RDM 4 outputs Splitter	Splitter 4 salidas DMX RDM formato caril DIN
	For installation.	Para instalación.
M083070	XLR male connector 3 pins	Conector XLR macho 3 vías
M083071	XLR female connector 3 pins	Conector XLR hembra 3 vías
M030224	BELDEN 3105A cable	Cable BELDEN 3105A

Mounted kits available, see page 319.
Dispone de kits montados en la página 319.

CONNECTION CONEXIONES

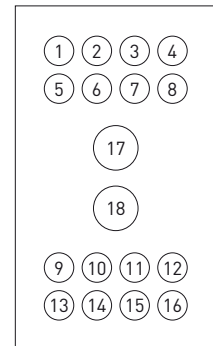
DIN RAIL SPLITTER

1	DMX + Output 6 - screw connector	9	DMX + Input
2	DMX - Output 6 - screw connector	10	DMX - Input
3	GND	11	DMX + Output 1 - screw connector
4	VCC + 24V DC	12	DMX - Output 1 - screw connector
5	DMX + Output 4 - screw connector	13	DMX + Output 2 - screw connector
6	DMX - Output 4 - screw connector	14	DMX - Output 2 - screw connector
7	DMX + Output 5 - screw connector	15	DMX + Output 3 - screw connector
8	DMX - Output 5 - screw connector	16	DMX - Output 3 - screw connector



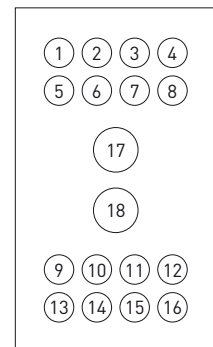
DIN RAIL CONVERTER

1	—	10	DMX - Output 2 - screw connector
2	—	11	DMX + Output 2 - screw connector
3	GND	12	—
4	VCC + 24V DC	13	—
5	—	14	DMX - Output 3 - screw connector
6	DMX - Output 1 - screw connector	15	DMX + Output 3 - screw connector
7	DMX + Output 1 - screw connector	16	—
8	—	17	Fiber optic emitter
9	—	18	Fiber optic receiver

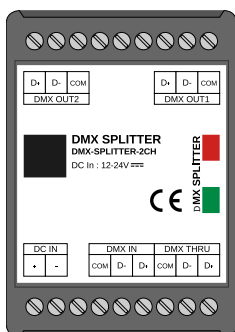


DIN RAIL F.O. EMITTER

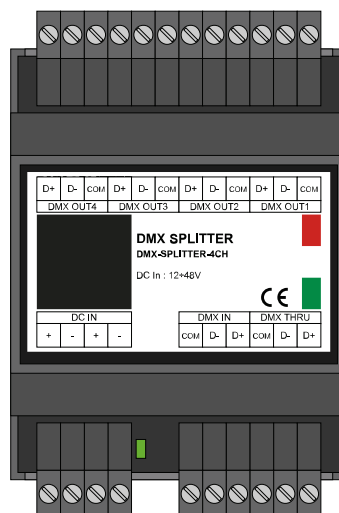
1	—	10	DMX - Output 1 - screw connector
2	—	11	DMX + Output 1 - screw connector
3	GND	12	—
4	VCC + 24V DC	13	—
5	—	14	DMX - Output 2 - screw connector
6	DMX - Input - screw connector	15	DMX + Output 2 - screw connector
7	DMX + Input - screw connector	16	—
8	—	17	Fiber optic emitter
9	—	18	—



SPLITTER DMX RDM 2 OUTPUTS



DIN RAIL SPLITTER DMX RDM 4 OUTPUTS



LINEARdrive

The LINEARdrive range is composed by manual controllers and constant voltage drivers for LEDs that are controlled by 1, 2 and 3-4 channels. The LINEARdrive products covers all types of lighting applications; from single colour all the way up to dynamic whites, RGB and RGBW. All industry control protocols are covered: 1-10V, DMX512A/RDM, and DALI.

The dimming is strengthened with the HydraDrive system with a 15 bits resolution, that provides the smoothest flicker-free high-performance dimming from 100% to 0.1%. Useful in the applications where the video images register, professional or non-professional, is needed to eliminate this unpleasant records blinking.

The ToolBoxPro accessory is required for the LinearDrive DMX 1 or 2 channels internal parameters configuration such as the DMX channel or the HydraDrive regulation curves. The 4 channel LinearDrives have 3 buttons for the configuration.

You can download all technical specifications and programming guides on the web: www.grupo-mci.com

La familia LINEARdrive está compuesta por controladores manuales, y drivers de voltaje constante para LEDs que son controlados por 1, 2 y 3-4 canales. Los productos LINEARdrive cubren todo tipo de aplicaciones lumínicas, desde el control de luminarias monocolor hasta el control de blancos dinámicos, RGB y RGBW. Todos los protocolos de control de la industria están cubiertos: 1-10V, DMX512A/RDM y DALI.

La regulación está reforzada con el sistema HydraDrive de 15 bits de resolución, donde la función dimmer funciona con una gamma de atenuación del 100% al 0,1%, es decir, la regulación de la luz no provoca el efecto parpadeo, conocido también como flickering. Apto para aplicaciones donde el registro de imágenes de video, ya sea profesional o lúdica, es imprescindible eliminar este desagradable destello en las grabaciones.

Los LINEARdrive DMX de 1 ó 2 canales, necesitan el accesorio ToolBoxPro para poder configurar los parámetros internos como el canal DMX o las curvas de regulación HydraDrive. Los LINEARdrive de 4 canales, disponen de 3 botones para configurar los.

Todas las fichas técnicas y guías de programación están disponible en la web www.grupo-mci.com

REFERENCES REFERENCIAS



DMX hand controller		Controlador manual DMX	
7150631	DimWheel LINEARdrive DMX hand controller	Controlador manual DMX DimWheel LINEARdrive	1
7150632	DimWheel LINEARdrive faceplate	Embellededor DimWheel LINEARdrive	2
1 channel		1 canal	
7150633	LINEARdrive 212D 200W 24V DC DMX	LINEARdrive 212D 200W 24V DC DMX	
7150634	LINEARdrive 211D 200W 24V DC 0-10V	LINEARdrive 211D 200W 24V DC 0-10V	
7150635	LINEARdrive 210D 200W 24V DC DALI	LINEARdrive 210D 200W 24V DC DALI	
2 channels		2 canales	
7150636	LINEARdrive 222D 200W 24V DC DMX	LINEARdrive 222D 200W 24V DC DMX	
7150637	LINEARdrive 220D 200W 24V DC DALI	LINEARdrive 220D 200W 24V DC DALI	
3/4 channels		3/4 canales	
7150627	LINEARdrive 180D 144W 24V DC DMX	LINEARdrive 180D 144W 24V DC DMX	3
7150628	LINEARdrive 720D 330W 24V DC DMX / DALI	LINEARdrive 720D 330W 24V DC DMX / DALI	
Accessories		Accesorios	
M050206	Wago terminal 5-way connection	Regleta conexión Wago 5 vías	4
7150638	Tool Box Pro (DMX parameters).	Tool Box Pro (Parámetros DMX).	

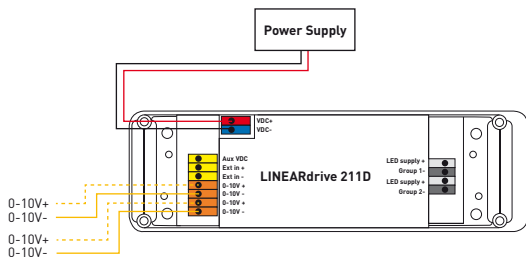
SPECIFICATIONS ESPECIFICACIONES



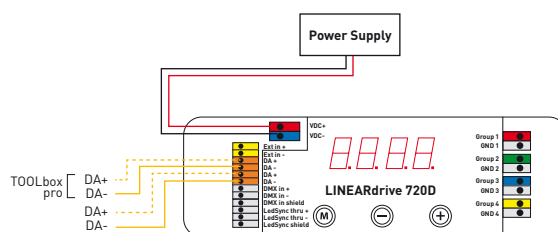
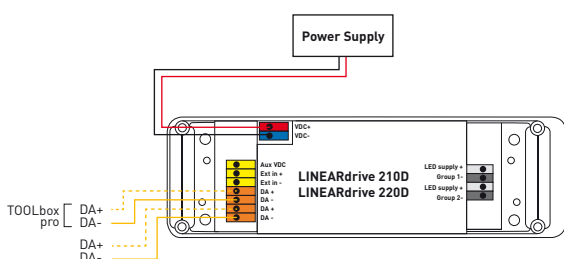
	1 CHANNEL			2 CHANNELS		3/4 CHANNELS	
	LINEARdrive 212D	LINEARdrive 211D	LINEARdrive 210D	LINEARdrive 222D	LINEARdrive 220D	LINEARdrive 180D	LINEARdrive 720D
Power consumption	Max. 200W	Max. 200W	Max. 200W	Max. 200W	Max. 200W	Max. 144W	Max. 330W
Measures	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 mm
Weight	0,12 kg	0,12 kg	0,12 kg	0,12 kg	0,12 kg	0,12 kg	0,144 kg
Controller type	DMX512-A / RDM	0-10V	DALI	DMX512-A / RDM	DALI	DMX512-A / RDM	DMX512-A / RDM / DALI

Compatible Products with LINEARdrive:
Productos compatibles con LINEARdrive:
Linear Flex® / SmartLedFlex® / SmartLedFlex® Day&Night / LedFloodStrip® (monocolor / RGB Slave) / Slim Ground Liner® / Ground Liner® (monocolor) / Plot Glow® (12V) / Step & Aisles profiles.

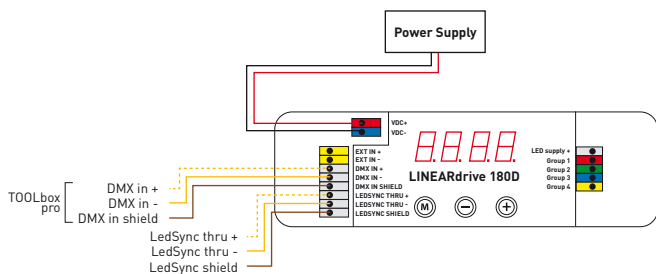
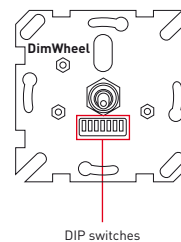
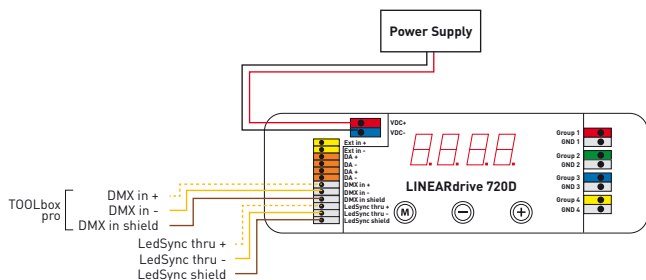
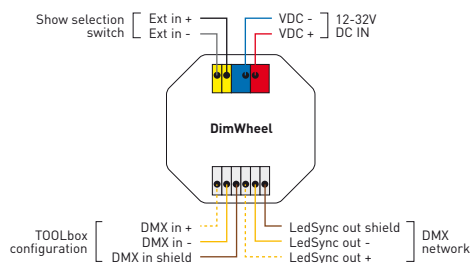
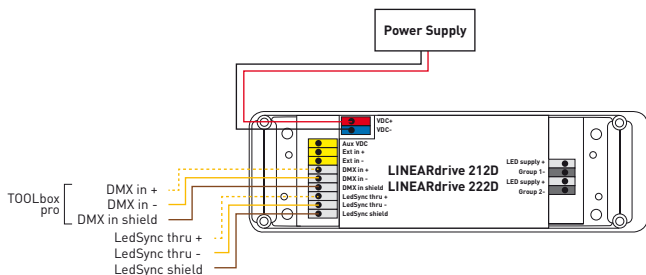
1 CHANNEL 1-10V CONNECTIONS
CONEXIONES 1 CANAL 1-10V



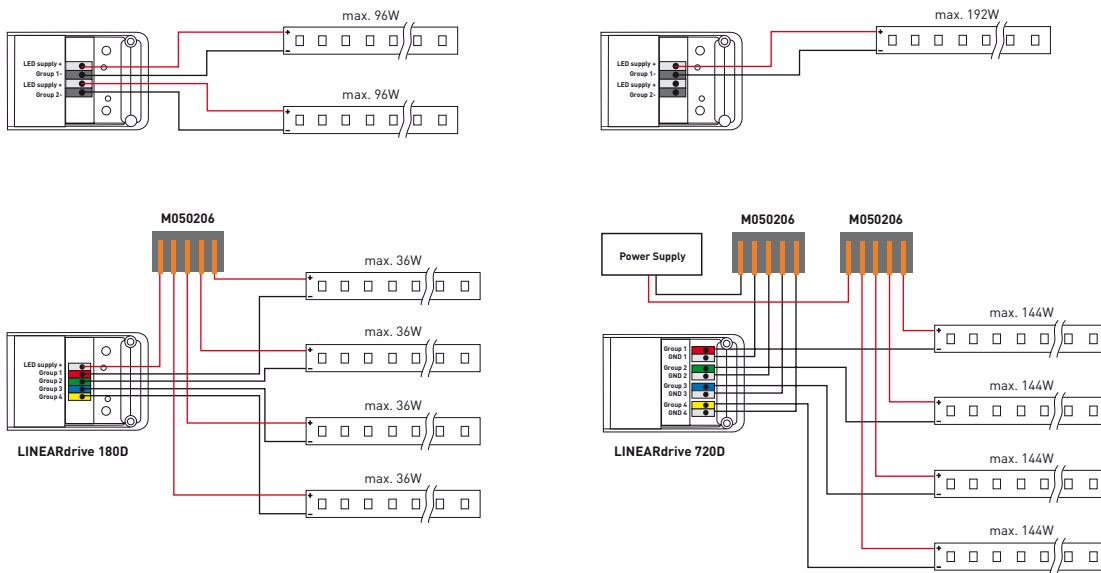
DALI CONNECTIONS
CONEXIONES DALI



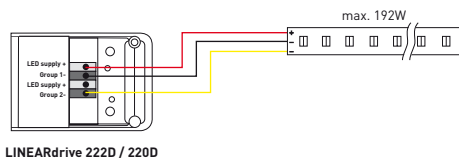
DMX CONNECTIONS
CONEXIONES DMX



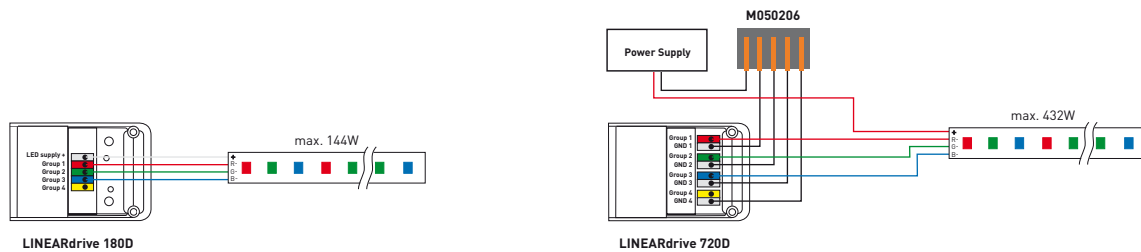
MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



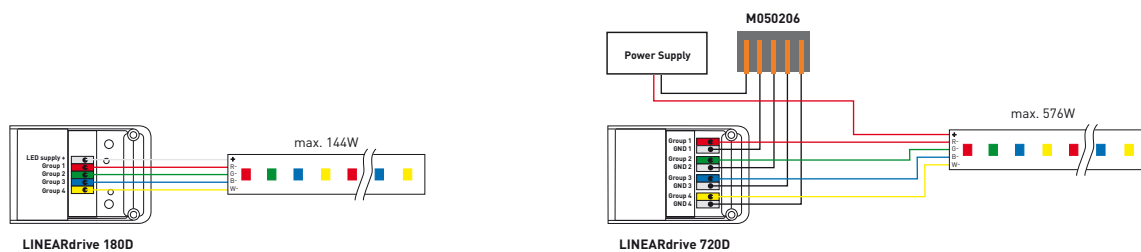
DYNAMIC WHITE CONNECTIONS CONEXIONES BLANCO DINÁMICO



RGB CONNECTIONS CONEXIONES RGB



RGBW CONNECTIONS CONEXIONES RGBW



TOOL BOX PRO CONNECTIONS
CONEXIONES TOOL BOX PRO

off	●	no DALI power
50%	●	DALI power
100%	●	DALI activity
off	●	LEDcode not connected, no LEDcode/DMX activity
50%	●	LEDcode connected, no LEDcode/DMX activity
100%	●	LEDcode or DMX activity
Blinking	● + ●	TOOLbox pro connection error to computer

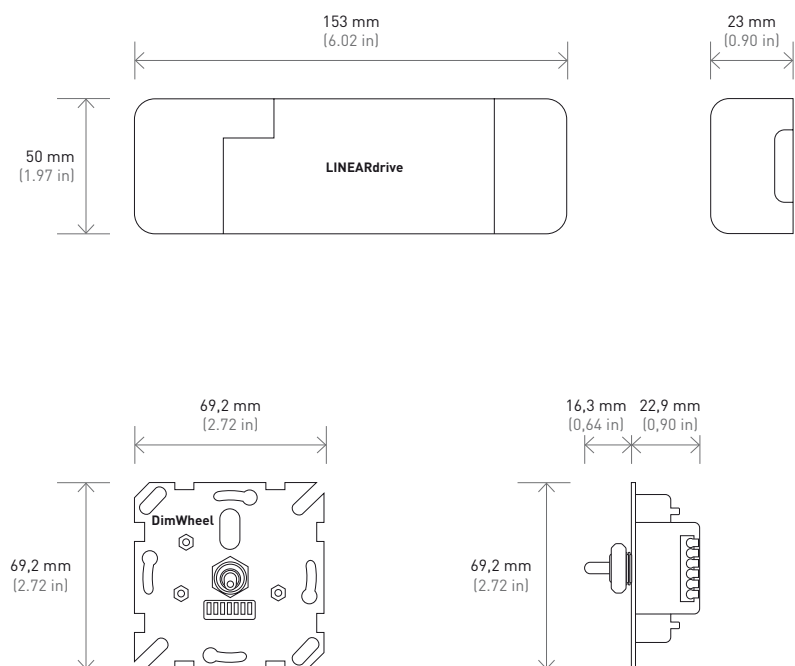
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— — — — —	DMX in +	} DMX / LedSync
— — — — —	DMX in -	
— — — — —	DMX in shield	
— — — — —	DA +	} DALI
— — — — —	DA -	
— — — — —	LEDcode +	} LEDcode
— — — — —	LEDcode -	
— — — — —	Not used	

In order for the FluxTool application to detect the LED driver, the driver must be powered on. Never connect more than one driver at a time.

Para que la aplicación FluxTool detecte el driver LED, el driver debe estar encendido. Nunca conecte más de un driver a la vez.

MEASURES
MEDIDAS



Dimmer LED

The Dimmer range is composed by constant voltage drivers for LEDs that are controlled by 1 and 4 channels. The Dimmer Led products cover all lighting applications, from single colour all the way up to dynamic whites, RGB and RGBW (with the 4 channels Driver). All industry control protocols are covered: 0-10V, DMX512A/RDM, and DALI.

The dimming is made by PWM, from 0% to 100%.

The 1 channel drivers work only on broadcast or are directed by RDM or DALI protocols, depending on the model. The 4 channels Drivers could be manually directed also.

La familia Dimer Led esta compuesta por drivers de voltaje constante para leds controladores por 1 y 4 canales. Los productos Dimer Led cubren todo tipo de aplicaciones lumínicas, desde el control de luminarias monocolor hasta el control de blancos dinámicos, RGB y RGBW (con el driver de 4 canales). Todos los protocolos de control de la industria están cubiertos: 0-10V, DMX512A/RDM y DALI.

La regulación se realiza por PWM, desde 0% al 100%.

Los drivers de 1 canal, solo trabajan en broadcast o son direccionables mediante protocolo RDM ó DALI, según modelo. Los drivers de 4 canales puede ser direccionados manualmente también.

REFERENCES REFERENCIAS



1 channel IP20		1 canal IP20		
7150660	1 channel LED Dimmer 240W 12-24V DC DMX RDM	Dimmer LED 1 canal 240W 12-24V DC DMX RDM		1
7150661	1 channel LED Dimmer 240W 12-24V DC DALI	Dimmer LED 1 canal 240W 12-24V DC DALI		
7150662	1 channel LED Dimmer 240W 12-24V DC 0-10V	Dimmer LED 1 canal 240W 12-24V DC 0-10V		
4 channels IP20		4 canales IP20		
7150663	4 channels LED Dimmer 240W 12-48V DC DMX RDM	Dimmer LED 4 canales 240W 12-48V DC DMX RDM		2
7150664	4 channels LED Dimmer 240W 12-48V DC DALI	Dimmer LED 4 canales 240W 12-48V DC DALI		
4 channels IP54		4 canales IP54		
7150665	4 channels LED Dimmer 240W 12-48V DC DMX RDM IP54	Dimmer LED 4 canales 240W 12-48V DC DMX RDM IP54		3
7150666	4 channels LED Dimmer 240W 12-48V DC DALI IP54	Dimmer LED 4 canales 240W 12-48V DC DALI IP54		

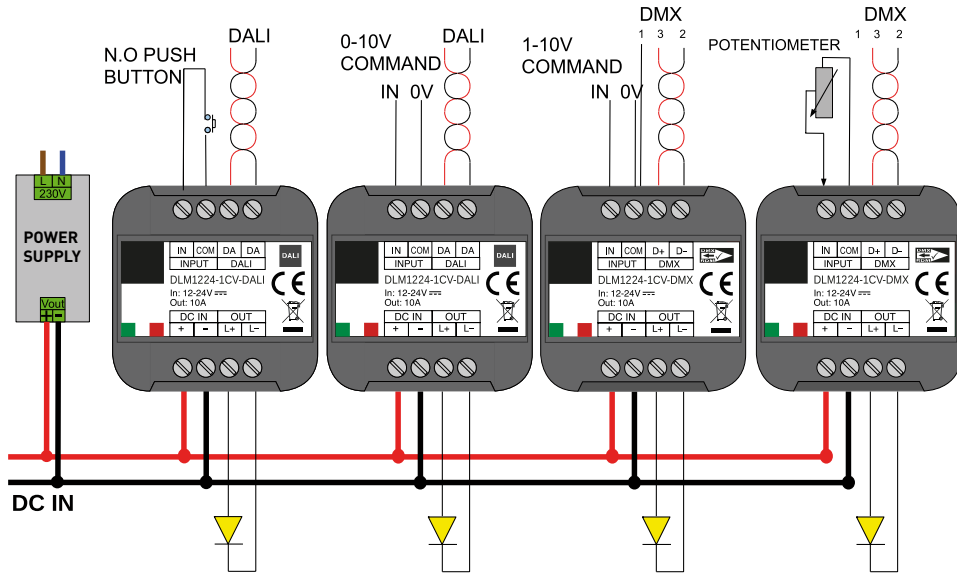
SPECIFICATIONS ESPECIFICACIONES



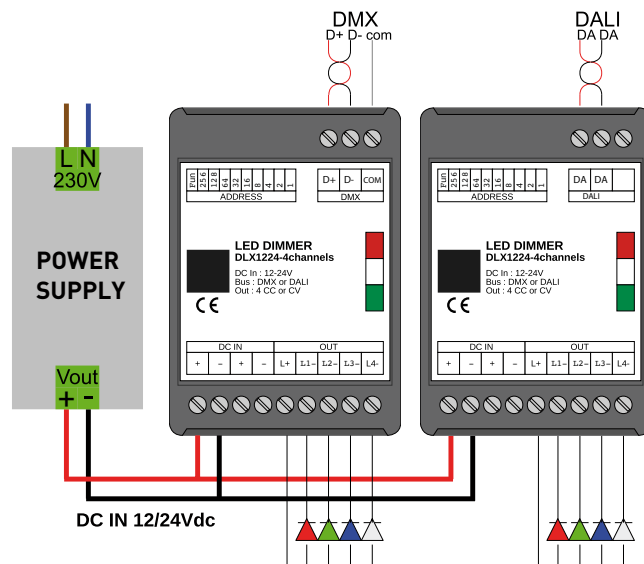
	1 CHANNEL IP20			4 CHANNELS IP20		4 CHANNELS IP54	
	7150660	7150661	7150662	7150663	7150664	7150665	7150666
Power consumption	Max. 240W	Max. 240W	Max. 240W	Max. 240W	Max. 240W	Max. 240W	Max. 240W
Measures	44 x 57 x 19 mm	44 x 57 x 19 mm	44 x 57 x 19 mm	88 x 54 x 26 mm	88 x 54 x 26 mm	88 x 54 x 26 mm	88 x 54 x 26 mm
Weight	0,037 kg	0,037 kg	0,037 kg	0,074kg	0,074kg	0,120 kg	0,120 kg
Controller type	DMX RDM	DALI	0-10V	DMX RDM	DALI	DMX RDM	DALI

Compatible Products with LED Dimmer:
Productos compatibles con LED Dimmer:
Linear Flex® / SmartLedFlex® / SmartLedFlex® Day&Night / LedFloodStrip® (monocolor / RGB Slave) / Slim Ground Liner® / Ground Liner® (monocolor) / Plot Glow® (12V) / Step & Aisles profiles.

1 CHANNEL
1 CANAL



4 CHANNELS
4 CANALES



BLUETOOTH devices to control your luminaires



The Bluetooth devices range is composed by switches, relays, trailing edge dimmers, 0-10V/DALI dimmers, 24V DC PWM dimmers, controllers, light and motion sensors.

All these devices function with the Casambi Bluetooth wireless technology and can be programmed and controlled through Casambi App.

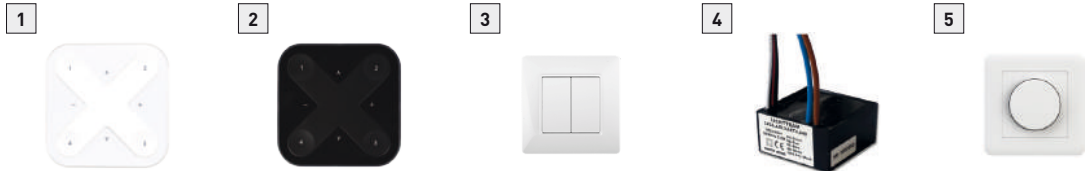
Never has been easier to switch on/off, dim, control the color temperature and create different scenes. Download the free Casambi App at Apple Store or Google Play.

La gama Bluetooth devices está compuesta por interruptores, relés, dimmers TRAILING EDGE, dimmers 0-10V / DALI, dimmers PWM de 24V DC, controladores, temporizadores y sensores de presencia y/o luminosidad.

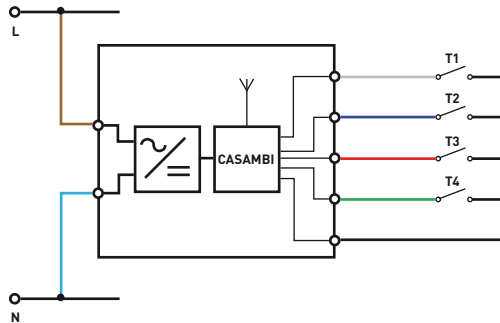
Todos estos componentes funcionan con las con la tecnología inalámbrica Bluetooth Casambi y podemos programarlos y controlarlos a través de su aplicación.

Nunca había sido tan fácil encender/apagar, dimerizar, cambiar la temperatura de color y crear escenas. Descárgate la App gratuita Casambi en Apple Store o Google Play.

SWITCH



7150901/C02	Xpress white	Xpress blanco	1
7150901/C13	Xpress black	Xpress negro	2
7150916	Bluetooth double flat push switch	Doble pulsador plano Bluetooth	
7150917	4 push button inputs to bluetooth in junctionbox shape	Pastilla para 4 pulsadores Bluetooth	
7150918	Bluetooth rotary dimmer	Regulador rotativo Bluetooth	

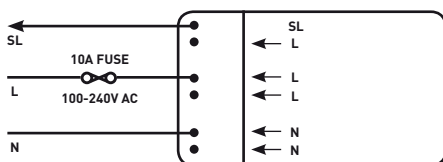


4 push button inputs to bluetooth in junctionbox shape connections
Conexiones pastilla para 4 pulsadores Bluetooth

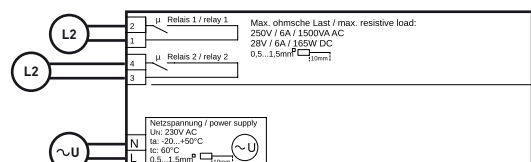
ON-OFF CONTROL



7150915	Bluetooth Relay 1NA 10A	Relé Bluetooth 1NA 10A	6
7150919	Bluetooth Relay 2NA 6A	Relé Bluetooth 2NA 6A	7



Bluetooth Relay 1NA 10A connections
Conexiones relé Bluetooth 1NA 10A



Bluetooth Relay 2NA 6A connections
Conexiones relé Bluetooth 2NA 6A

Dispositivos BLUETOOTH para el control de las luminarias

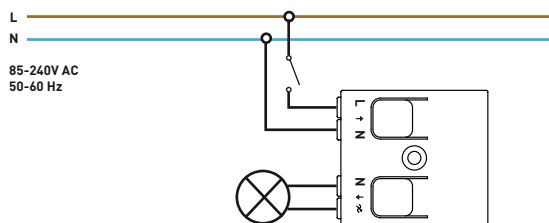
DIMMER TRAILING EDGE

8

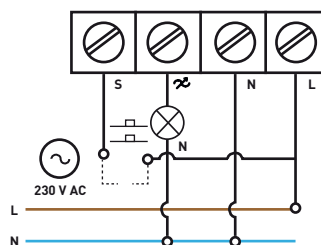
9



7150907	Bluetooth trailing edge dimmer 150W	Regulador trailing edge de control inalámbrico Bluetooth 150W	8
7150920	Bluetooth trailing edge dimmer & PUSH 200W	Regulador trailing edge de control inalámbrico Bluetooth y PUSH 200W	9



Bluetooth trailing edge dimmer 150W connections
Conexiones regulador trailing edge de control inalámbrico Bluetooth 150W



Bluetooth trailing edge dimmer & PUSH 200W connections
Conexiones regulador trailing edge de control inalámbrico Bluetooth y PUSH 200W

DIMMER 0-10V / DALI

10

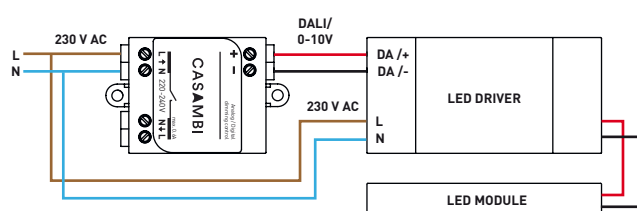
11

12



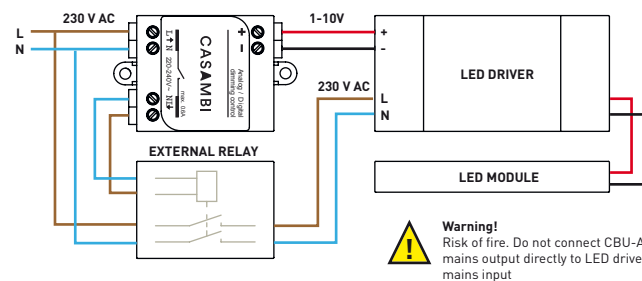
7150902	Bluetooth device for 1 lighting control gear	Dispositivo Bluetooth para 1 equipo auxiliares de iluminación	10
7150921	Broadcast 0-10V 1200W dimmer	Regulador Broadcast 0-10V 1200W	11
7150922	Broadcast DALI 60 devices 1200W dimmer	Regulador Broadcast DALI 60 equipos 1200W	12

Wiring diagram, directly powered DALI or 0-10V drivers
Suitable for drivers that can be switched off via control interface

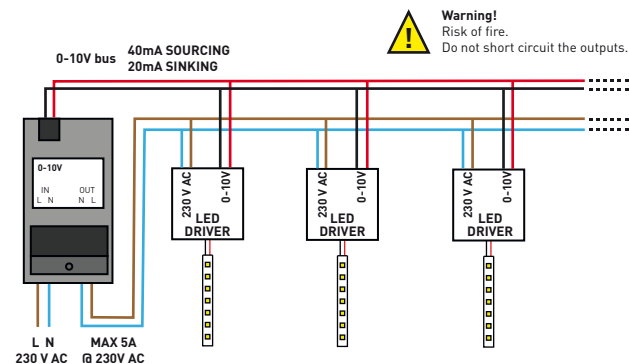


Bluetooth device for 1 lighting control gear connections
Conexiones dispositivo Bluetooth para 1 equipo auxiliares de iluminación

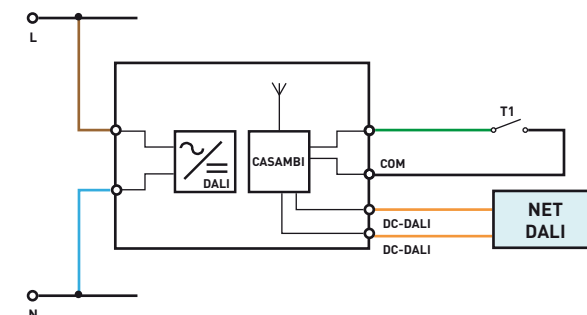
Wiring diagram, 1-10V drivers powered through external relay
Suitable for drivers that cannot be switched off via control interface



Bluetooth device for 1 lighting control gear connections
Conexiones dispositivo Bluetooth para 1 equipo auxiliares de iluminación



Broadcast 0-10V 1200W dimmer connections
Conexiones dimmer Broadcast 0-10V 1200W



Broadcast DALI 1200W dimmer connections
Conexiones dimmer Broadcast DALI 1200W

BLUETOOTH devices to control your luminaires

DIMMER PWM

13

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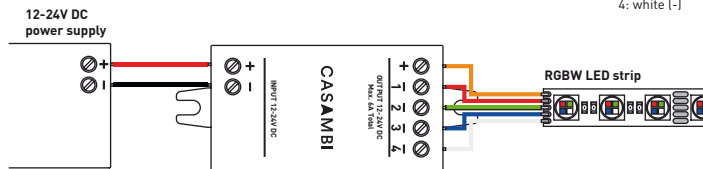
15



7150906	Bluetooth controllable 4 channels PWM dimmer	Regulador PWM de 4 canales controlable por Bluetooth	13
7150923	1 channel LED Dimmer 240W 12-24V DC Bluetooth	Dimmer LED 1 canal 240W 12-24V DC Bluetooth	14
7150924	4 channels LED Dimmer 240W 12-24V DC Bluetooth	Dimmer LED 4 canales 240W 12-24V DC Bluetooth	15

Wiring diagram, RGBW

- + : common (+)
- 1: red (-)
- 2: green (-)
- 3: blue (-)
- 4: white (-)



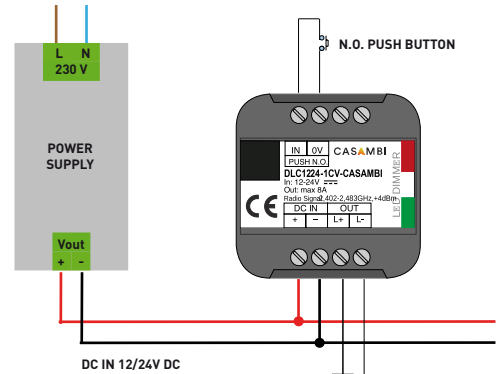
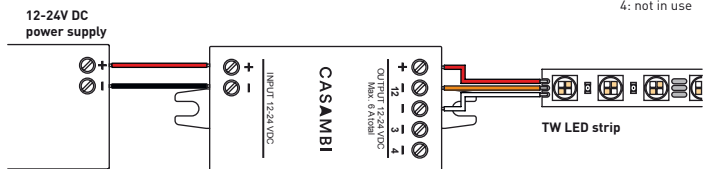
Wiring diagram, 1-4 separate channels

- + : common (+)
- 1: channel 1 (-)
- 2: channel 2 (-)
- 3: channel 3 (-)
- 4: channel 4 (-)



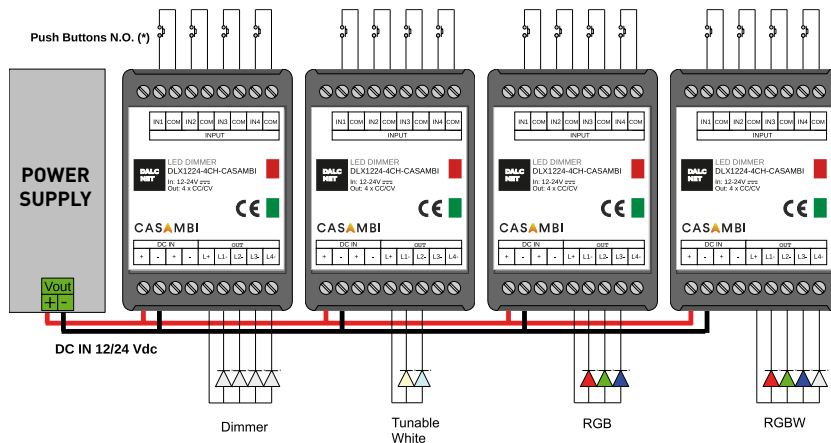
Wiring diagram, tunable white

- + : common (+)
- 1: warm (-)
- 2: cool (-)
- 3: not in use
- 4: not in use



Bluetooth controllable 4 channels PWM dimmer connections
Conexiones regulador PWM de 4 canales controlable por Bluetooth

1 channel LED Dimmer 240W 12-24V DC Bluetooth connections
Conexiones dimmer LED 1 canal 240W 12-24V DC Bluetooth



4 channels LED Dimmer 240W 12-24V DC Bluetooth connections
Conexiones dimmer LED 4 canales 240W 12-24V DC Bluetooth

CONTROLLER & SENSORS

16



17



18



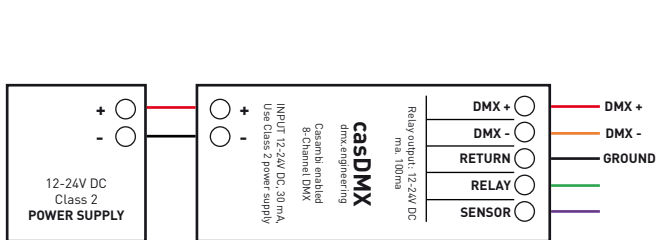
19



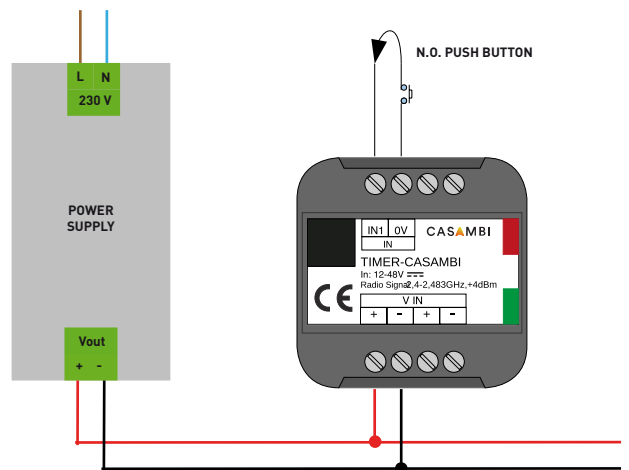
20



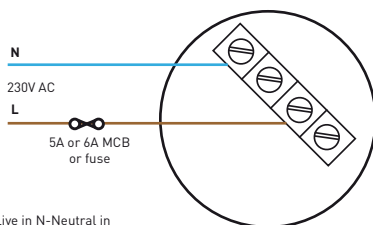
7150925	Android Gateway central	Central Gateway Android	16
7150926	DMX 8 channels Bluetooth converter	Convertidor Bluetooth DMX 8 canales	17
7150913	Bluetooth timing control	Temporizador Bluetooth	18
7150927	Recessed Bluetooth light and motion sensor	Sensor de presencia y/o luminosidad Bluetooth de empotrar	19
7150928	Surface Bluetooth light and motion sensor	Sensor de presencia y/o luminosidad Bluetooth de superficie	20



DMX 8 channels Bluetooth converter connections
Conexiones convertidor Bluetooth DMX 8 canales



Bluetooth timing control connections
Conexiones temporizador Bluetooth



L - Live in N-Neutral in
Two neutral and two live terminals
are available for easy 'loop in' and
'loop out' connection.

Recessed or Surface Bluetooth light and motion sensor connections
Conexiones sensor de presencia y/o luminosidad Bluetooth de empotrar o superficie

24V ON-OFF POWER SUPPLIES

IP20 POWER SUPPLIES FUENTE ALIMENTACIÓN IP20



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
30W 24V DC	30W	142 x 45 x 30 mm	0,12 kg	198-264V AC	>0,9	-10° C to +45° C	> 87%
75W 24V DC	75W	187 x 45 x 30,5 mm	0,18 kg	176-264V AC	>0,9	-20° C to +45° C	> 87%
150W 24V DC	150W	254,5 x 44,5 x 32 mm	0,42 kg	198-264V AC	>0,9	-20° C to +40° C	> 87%

3090492	IP20 Power supply 30W 24V DC	Fuente alimentación 30W 24V DC IP20
3090493	IP20 Power supply 75W 24V DC	Fuente alimentación 75W 24V DC IP20
3090494	IP20 Power supply 150W 24V DC	Fuente alimentación 150W 24V DC IP20



IP67 POWER SUPPLIES FUENTE ALIMENTACIÓN IP67



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
150W 24V DC	150W	180 x 63 x 35,5 mm	0,80 kg	100-305V AC / 142-431V DC	PF >0,95 / 230V AC	-40° C to +90° C	93%
200W 24V DC	200W	199 x 63 x 35,5 mm	0,85 kg	100-305V AC / 142-431V DC	PF >0,95 / 230V AC	-40° C to +90° C	94%
320W 24V DC	320W	252 x 90 x 43,8 mm	1,88 kg	90-305V AC / 127-431V DC	PF >0,95 / 230V AC	-40° C to +70° C	94,5%

3090563	IP67 Power supply 150W 24V DC	Fuente alimentación 150W 24V DC IP67
3090564	IP67 Power supply 200W 24V DC	Fuente alimentación 200W 24V DC IP67
3090522	IP67 Power supply 320W 24V DC	Fuente alimentación 320W 24V DC IP67



IP67 POWER SUPPLY ACCESSORIES ACCESORIOS FUENTE ALIMENTACIÓN IP67



M030226	IP68 "I" connection Ø6-13mm Tee Tube (3 poles)	Conexión "I" Ø6-13mm IP68 Tee Tube (3 polos)	1
M030227	IP68 "Y" connection Ø8-17mm Tee Tube (3 poles)	Conexión "Y" Ø8-17mm IP68 Tee Tube (3 polos)	2
M030233	Derivation box	Caja derivación	3
M030235	5 way terminal block	Regleta 5 vías	

24V DIMMABLE POWER SUPPLIES

IP66 TRIAC POWER SUPPLIES FUENTE ALIMENTACIÓN IP66 TRIAC



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
60W 24V DC	60W	178 x 61 x 24 mm	0,35 kg	180-264V AC	PF >0,99 / 240V AC	-40° C to +80° C	85%
150W 24V DC	150W	256 x 78 x 47 mm	1,5 kg	180-264V AC	PF >0,97 / 240V AC	-40° C to +80° C	86%
300W 24V DC	300W	276 x 78 x 47 mm	1,7 kg	180-264V AC	PF >0,98 / 240V AC	-40° C to +80° C	89%

3090566	IP66 Power supply 60W 24V DC TRIAC	Fuente alimentación 60W 24V DC TRIAC
3090552	IP66 Power supply 150W 24V DC TRIAC	Fuente alimentación 150W 24V DC TRIAC
3090567	IP66 Power supply 300W 24V DC TRIAC	Fuente alimentación 300W 24V DC TRIAC



IP66 DALI & PUSH POWER SUPPLIES FUENTE ALIMENTACIÓN IP66 DALI & PUSH



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
75W 24V DC	75W	180 x 60 x 35 mm	0,45 kg	200-240V AC	PF >0,95 / 240V AC	-40° C to +50° C	86%
150W 24V DC	150W	245 x 70 x 43 mm	1,4 kg	200-240V AC	PF >0,96 / 240V AC	-40° C to +80° C	88%
360W 24V DC	360W	276 x 78 x 47 mm	1,65 kg	100-265V AC	PF >0,96 / 240V AC	-40° C to +80° C	90%

3090568	IP66 Power supply 75W 24V DC DALI & PUSH	Fuente alimentación 75W 24V DC DALI & PUSH
3090569	IP66 Power supply 150W 24V DC DALI & PUSH	Fuente alimentación 150W 24V DC DALI & PUSH
3090570	IP66 Power supply 360W 24V DC DALI & PUSH	Fuente alimentación 360W 24V DC DALI & PUSH



IP66 0-10V POWER SUPPLIES FUENTE ALIMENTACIÓN IP66 0-10V



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
60W 24V DC	60W	150 x 53 x 35 mm	0,49 kg	90-305V AC 127-431V DC	PF >0,95 / 240V AC	-40° C to +80° C	89%
150W 24V DC	150W	256 x 78 x 47 mm	1,5 kg	100-265V AC	PF >0,98 / 240V AC	-40° C to +80° C	90%
360W 24V DC	360W	276 x 78 x 47 mm	1,65 kg	100-265V AC	PF >0,97 / 240V AC	-40° C to +80° C	90%

3090571	IP66 Power supply 60W 24V DC 0-10V	Fuente alimentación 60W 24V DC 0-10V
3090572	IP66 Power supply 150W 24V DC 0-10V	Fuente alimentación 150W 24V DC 0-10V
3090573	IP66 Power supply 360W 24V DC 0-10V	Fuente alimentación 360W 24V DC 0-10V



IP66 BLUETOOTH POWER SUPPLIES FUENTE ALIMENTACIÓN IP66 BLUETOOTH



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
120W 24V DC	120W	191 x 63 x 37,5 mm	0,97 kg	90-305V AC 127-431V DC	PF >0,96 / 240V AC	-25° C to +80° C	90%

7150929	IP66 Power supply 120W 24V DC V Bluetooth	Fuente alimentación 120W 24V DC Bluetooth
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POWER BOX

To connect elevated quantities of luminaires you can choose between single-phase or three-phase with neutral Power Box for easy installation Plug&Play.

The Power Box has 960W power consumption. For example we can connect 60 meters Linear Flex Ultra Plus 72W White.

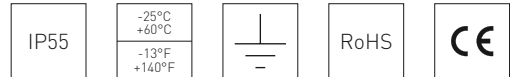
Power Box components:
Painted steel box (RAL 7035), circuit breaker protection and two 480W power supplies. Made in Europe

Para concentración elevada de luminarias, disponemos de un Power Box monofásico o trifásico con neutro para rápida instalación Plug&Play.

El Power Box dispone de una potencia de 960W. Por ejemplo podemos conectar 60m de Linear Flex Ultra Plus 72W Blanco.

El Power Box está compuesto por:
Caja de acero pintada (RAL 7035), magnetotérmico de protección y 2 fuentes de alimentación de 480W.
Todos los componentes del Power Box están fabricados en Europa.

SPECIFICATIONS ESPECIFICACIONES



	960W SINGLE-PHASE	960W THREE-PHASE
Power consumption	2 x 480W	
Measures	400 x 300 x 200 mm	
Weight	5,5 kg	6,5 kg
Housing	Painted steel Acero pintado	
Input voltage	90-265V AC / 90-250V DC	300-415V AC
Temperature range	-25° C to +60° C / -13° F to +140° F	
Efficiency	93,8%	



REFERENCES REFERENCIAS

3091204	Power Box 960W 24V DC	Power Box 960W 24V DC
3091205	Three-phase Power Box 960W 24V DC	Power Box 960W 24V DC trifásica

DATA BOX

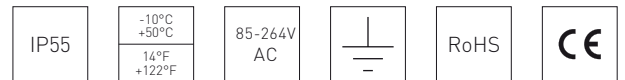
To connect elevated quantities of luminaires which require DMX control, Data Box for easy installation Plug&Play is available.

Each Data Box can connect up to 192 DMX receptors.
Data Box components: Halogen free flame retardant technopolymer box, multi-voltage PSU, splitter 6 outputs and/or fiber optic converter to DMX (depending on type).

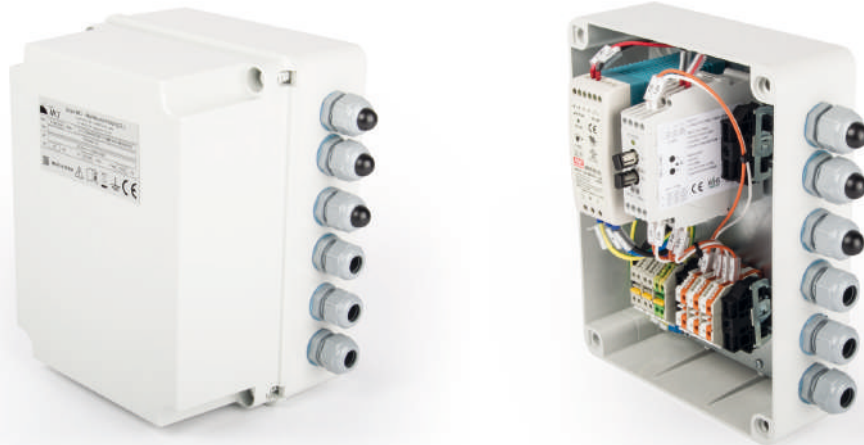
Para concentración elevada de luminarias que precisan DMX, disponemos de Data Box para rápida instalación Plug&Play.

Cada Data Box puede enlazar hasta 192 receptores DMX.
Está compuesto por caja de tecnopolímero autoextinguible libre de halógenos, una fuente de alimentación multi-voltaje, un splitter de 6 salidas y/o un convertor de fibra óptica a DMX (según modelo).

SPECIFICATIONS ESPECIFICACIONES



	DATA BOX CONVERTER	DATA BOX SPLITTER	DATA BOX CONVERTER + SPLITTER	DATA BOX CONVERTER DMX / EMISER
Power consumption	10W			
Measures	200 x 254 x 167,5 mm			
Weight	1,2 kg	1,2 kg	1,4 kg	1,4 kg
Housing	Halogen free flame retardant technopolymer Tecnopolímero autoextinguible libre de halógenos			
Input voltage	85-264V AC / 120-370V DC			
Temperature range	-10° C to +50° C / 14° F to +122° F			
Efficiency	88%			



REFERENCES REFERENCIAS

3091210	Data Box - fiber optic converter	Data Box - convertidor fibra óptica
3091211	Data Box - 6 outputs Splitter	Data Box - Splitter 6 salidas
3091212	Data Box - fiber optic converter + 6 output Splitter	Data Box - convertidor fibra óptica + Splitter 6 salidas
3091213	Data Box - 2 converter DMX / optica fiber emitter	Data Box - 2 convertidor DMX / emisor fibra óptica
3091214	Data Box - 4 outputs Splitter DMX-RDM	Data Box - Splitter 4 salidas DMX-RDM

Note:

The information provided in this catalog, doesn't constitute legal guarantee in terms of properties and/or functionality of the products application. Also, GRUPO MCI reserves the right to change at any time and without notice, the technical specifications of our products illustrated in this catalogue, without this affecting the basic characteristics of the product.

All the dimmable luminaries (DMX, DALI, 0-10V) manufactured by GRUPO MCI use PDM technology (Pulse Density Modulation).

Nota:

Los datos facilitados en el presente catálogo, en ningún caso constituyen garantía jurídica en cuanto a propiedades y/o funcionalidad de la aplicación de los productos. Además GRUPO MCI se reserva el derecho de modificar en cualquier momento y sin previo aviso, las características técnicas de los elementos ilustrados en el presente catálogo, sin que estos afecten a las características básicas del producto.

Todas las luminarias regulables (DMX, DALI, 0-10V) fabricadas por GRUPO MCI utilizan la tecnología PDM (Pulse Density Modulation).



O.E.M.
ORIGINAL
EQUIPMENT
MANUFACTURERS



Cámara de Comercio Alemana
para España
Deutsche Handelskammer
für Spanien

HEADQUARTERS

GRUPO MCI - MUNDOCOLOR HOLDING, S.L.

C/ DELS OFICIS, N° 25
08850 · GAVÀ
BARCELONA · SPAIN
T. (+34) 93 630 28 00
F. (+34) 93 630 29 66
M. EXPORT@GRUPO-MCI.COM

SUBSIDIARIES

GRUPO MCI MIDDLE EAST FZE

TECHNOHUB 2, 2ND FLOOR,
OFFICE 232
DUBAI SILICON OASIS,
DUBAI (U.A.E)
P.O.: 342053
T. +971 56 826 5544
M. DUBAI@GRUPO-MCI.COM

GRUPO MCI LATAM

LIMA · PERÚ
T. (+51) 915 335 989
M. LATAM@GRUPO-MCI.COM

mcilight.com