

24
—
25 | ARCHITECTURAL
OUTDOOR
& INDOOR
LED LIGHTING

SECOND EDITION

||| = |
MCI LIGHT



M C I L I G H T

24 | 25



>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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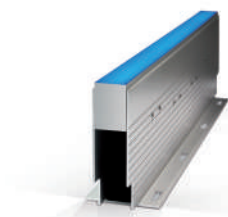
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NEW Novelties

UPDATE Updated models

+RANGE Wider range

GRUPO MCI TIMELINE

1972



Company foundation

1978



Creation of the Alurapid's machine

1993



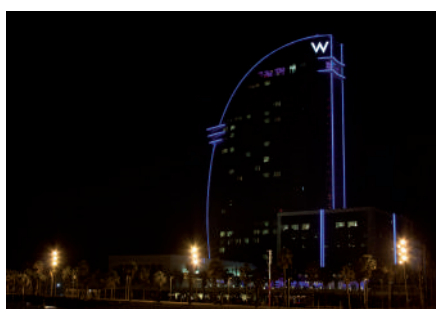
Commercialization of christmas figures

2014



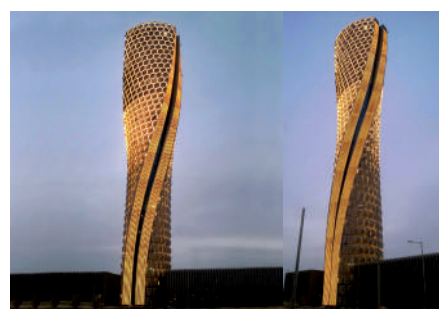
Qatar Handball Stadium illuminated with Square Grazer®

2016



W Hotel illumination with SmartLedFlex® RGB

2017



Doha Port control tower illuminated with LedFloodStrip®

1998



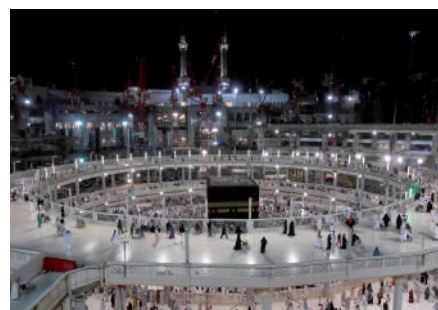
We started to manufacture step & aisles profiles for cinemas

2003



Transfer to the Gava warehouse (8000m²)

2014



Makkah Haram expansion project in Saudi Arabia with custom made fixtures

2018



Rebranding of MCI LIGHT

2019



HOFFLIGHTS is born, a new brand of GRUPO MCI

2024



700 Caixabank offices illuminated with Downito®





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 over 50 years of 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 más 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.

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, electronical 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.

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.

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, ISO 14001 for environmental 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 la calidad, ISO 14001 de gestión ambiental 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 50 countries and offers technical assistance and after-sales service through a network of distributors based 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.



1 Edificio Gran Vía
Madrid, SPAIN

Lighting project: Saltoki



1 Puerta del Carmen
Zaragoza, SPAIN

Lighting project: Saltoki



1 Ayuntamiento
Zaragoza, SPAIN

Lighting project: Saltoki



2 W Barcelona Hotel
Barcelona, SPAIN



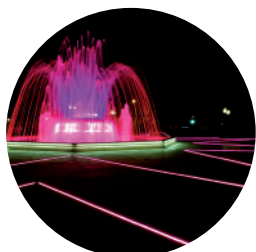
17 Chicago Riverwalk
Chicago, USA



16 Hospital Manta
ECUADOR



15 Palacio de la Justicia
PARAGUAY

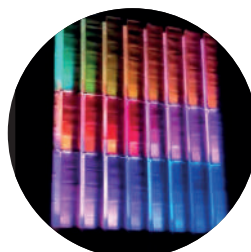


14 Bolívar Square
Maracay, VENEZUELA



13 CC Mega Plaza
Independencia, PERU

Lighting project:
Claudia Paz Lighting Studio



12 The Oriente tunnel
Medellin, COLOMBIA



GRUPO MCI está presente en más de 50 países, ofreciendo a sus clientes un servicio con prestaciones de garantía y apoyo técnico, a través de sus distribuidores repartidos en los 5 continentes.

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.



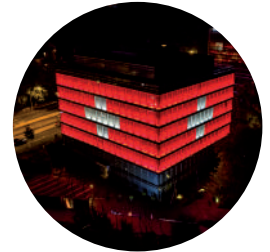
3 URBO Business Center
Matosinhos, PORTUGAL



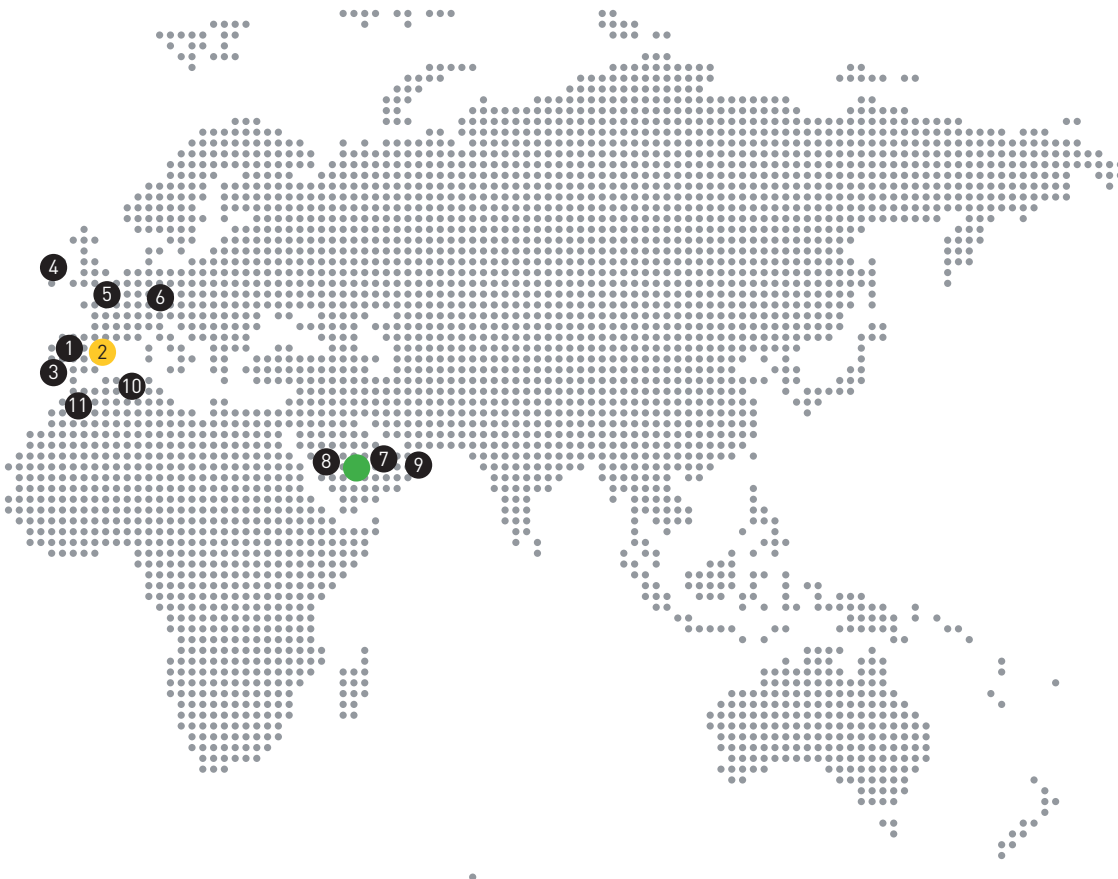
4 CC Blanchard
IRELAND



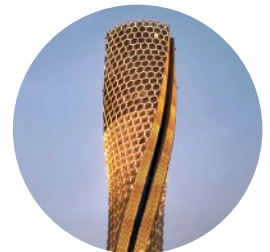
5 Eglise Sainte Madeleine
FRANCE



6 Amandolier Building
SWITZERLAND



7 Qatar Handball
Doha, QATAR



7 Doha Port
Doha, QATAR

Lighting project: Visual Energy



11 Underpasses
Tangier, MOROCCO



10 Royal Walls of Ceuta
Ceuta, SPAIN



9 Expo Dubai 2020
Dubai, EAU



8 Empire Cinemas
SAUDI ARABIA

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.

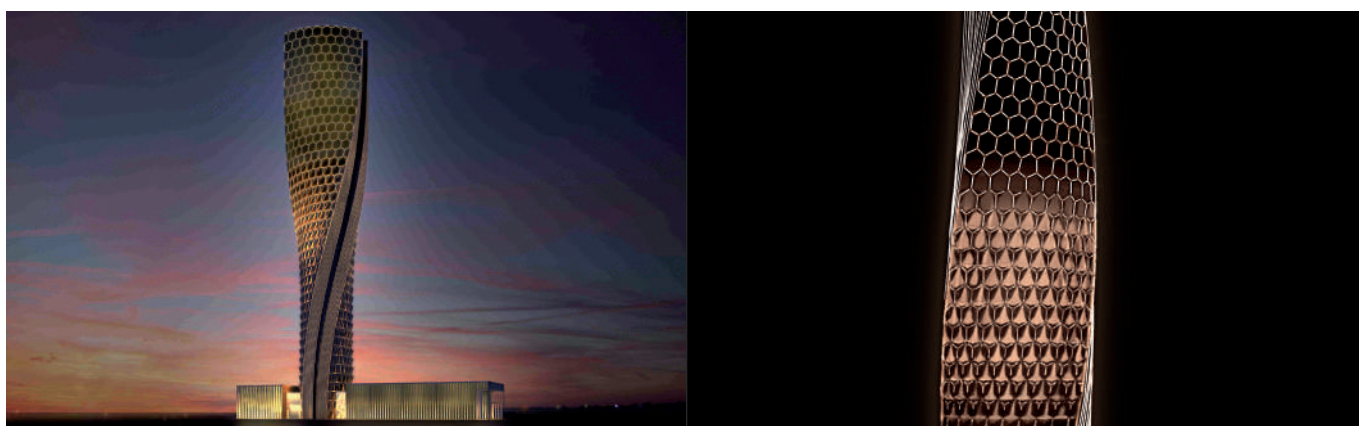
Nos gusta ofrecer soluciones únicas para que el resultado final sea todo un éxito. El éxito de los clientes es nuestro éxito.

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



Amandolier Building
Geneva, SWITZERLAND



Doha Port,
Doha, QATAR.



Qatar Handball Association Complex,
Doha, QATAR.

Façade lighting enhancement both in the technological and environmental aspects of the emblematic offices building "Amandolier Building" in Geneva.

Was developed a custom made lighting such as wall washers, fully controllable, in RGBW, with asymmetrical beam for a better light control, perfectly matched with the existing spaces left by the former devices being replaced.

The production includes 320 linear lights of around 1200mm and 20 corner lights in total, inspired by the Line Grazer Plus in RGBW to lighten the 5 floors of the building.

Actualización de la iluminación de la fachada tanto en sus aspectos tecnológicos como ambientales, del emblemático edificio de oficinas "Amandolier Building" en Ginebra.

Se desarrolló una luminaria custom made tipo wall washer, controlable punto a punto, en RGBW, con óptica asimétrica para un mejor control de la luz, que se acoplara perfectamente en los huecos existentes que dejaba la luminaria a reemplazar.

En total se fabricaron 320 luminarias lineales a medida de 1200mm aprox. y 20 luminarias en forma de esquina, inspiradas en el Line Grazer Plus en RGBW para iluminar las 5 plantas que se han iluminado del edificio.



Linear fixture controlled by DMX/RDM each 2 PIXEL (2 Multichip RGBW):

22 Multichip RGBW LEDs | LED Cree | 48° x 24° LEDiL lens | 24V | 60W

20 fixed and 2 adjustable 15° (at both ends)

320 units

Corner fixture controlled by DMX/RDM each 2 PIXEL (2 Multichip RGBW)

16 Multichip RGBW LEDs | LED Cree | 48° x 24° LEDiL lens | 24V | 44W

20 units

Architect

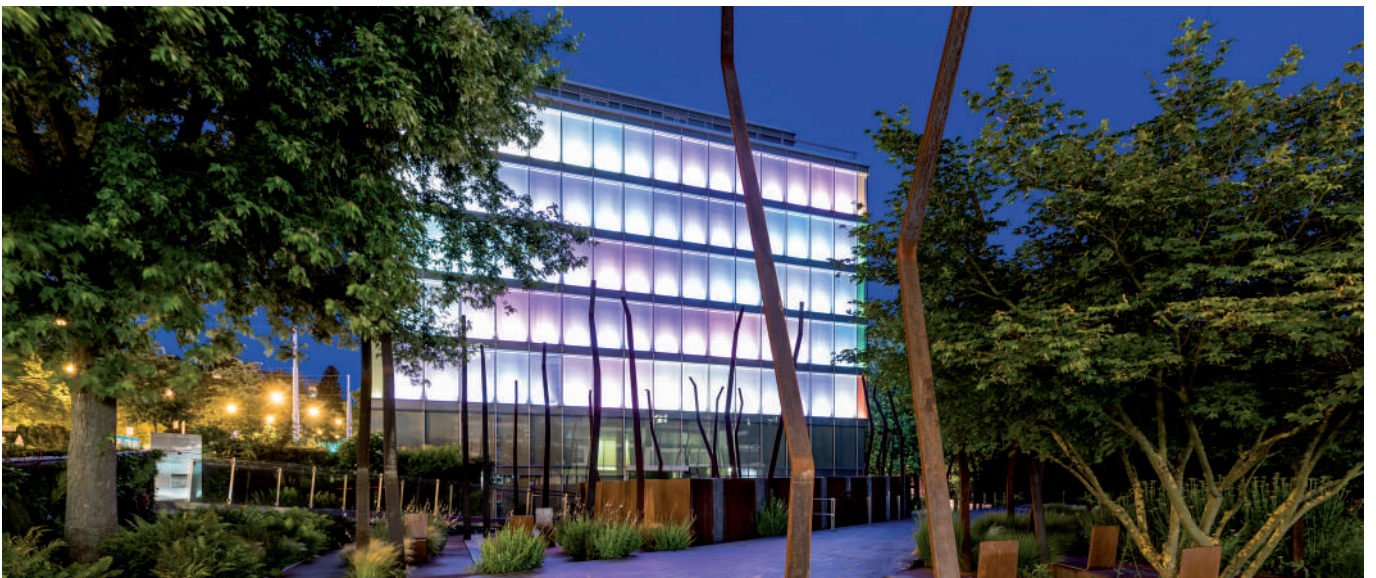
Fabio Fossati – Architects S.A

Lighting Designer

LDC Lighting Design Collective, 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.

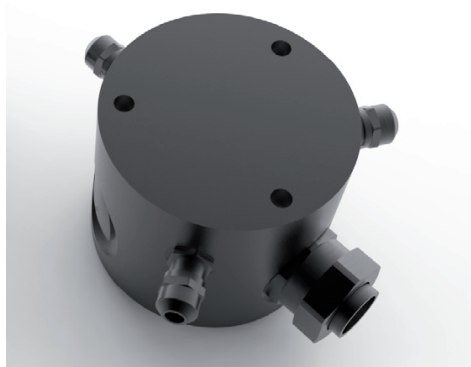
La forma y silueta del edificio se ajusta con los giros y vueltas de la torre, que también se refleja en la forma en la que se tiene que iluminar el edificio. Para ello el proyecto lumínico se ha estructurado en diferentes partes.

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®.

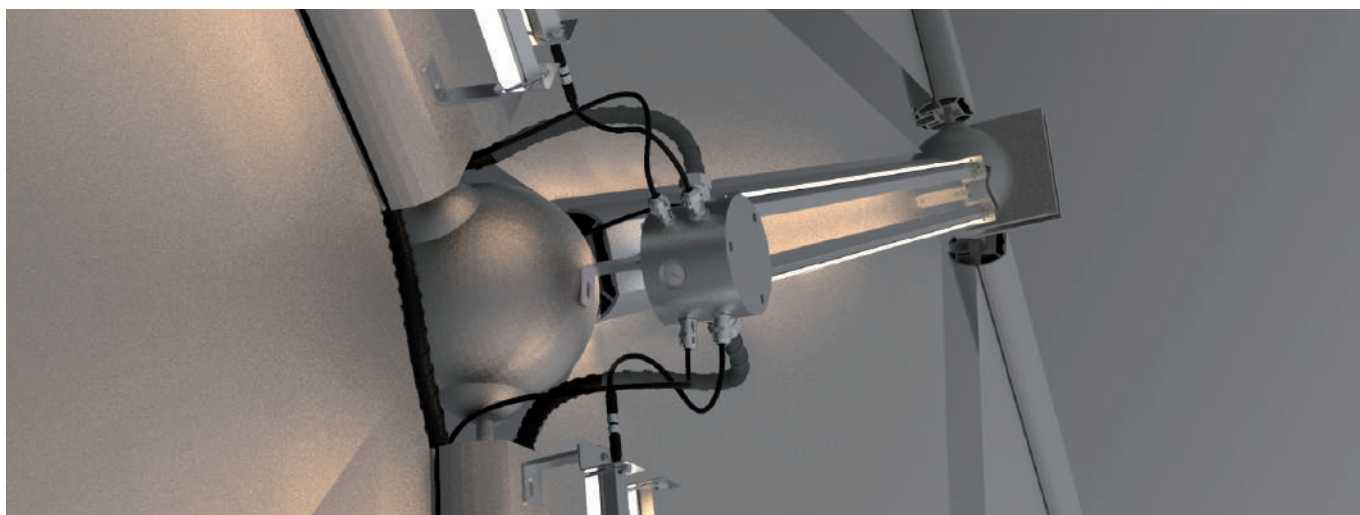
Tanto SmartLedFlex® como LedFloodStrip® Dotfree son dos soluciones lumínicas perfectas para proyectos de iluminación arquitectural decorativa ya que proporcionan una luz homogénea de alto rendimiento para la iluminación de edificios de manera impactante.

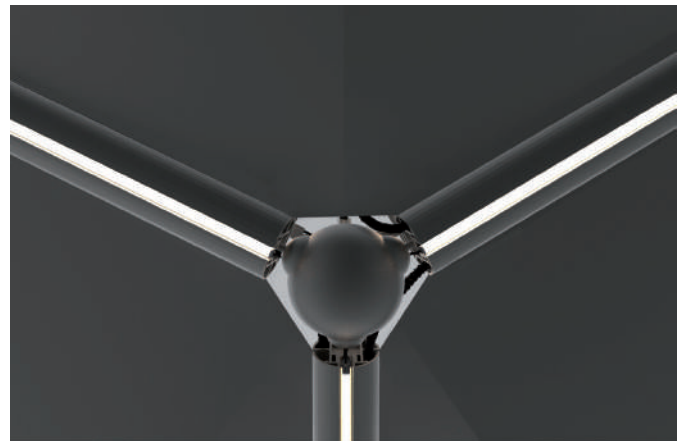


Junction Box
Type 1



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

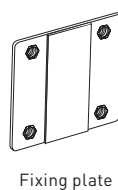
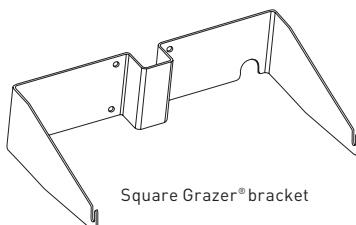
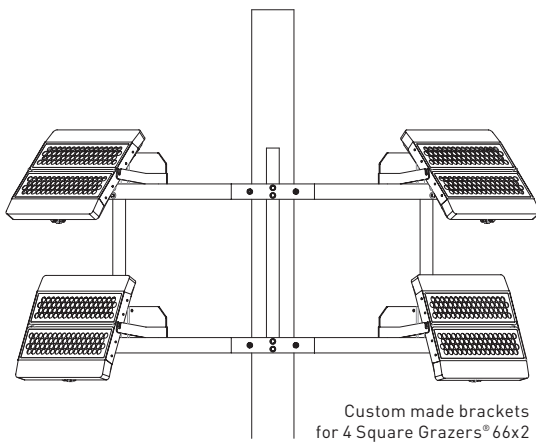
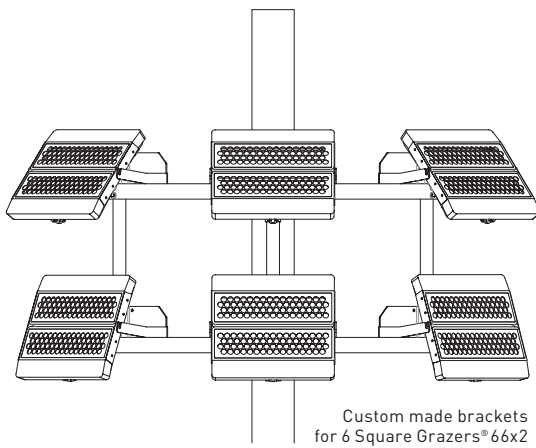


MCI LIGHT offered personalized technical support before, during, and after the execution of the project, to ensure correct installation of the entire system. This includes:

- 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







SMARTLEDFLEX®

3D Gen 2

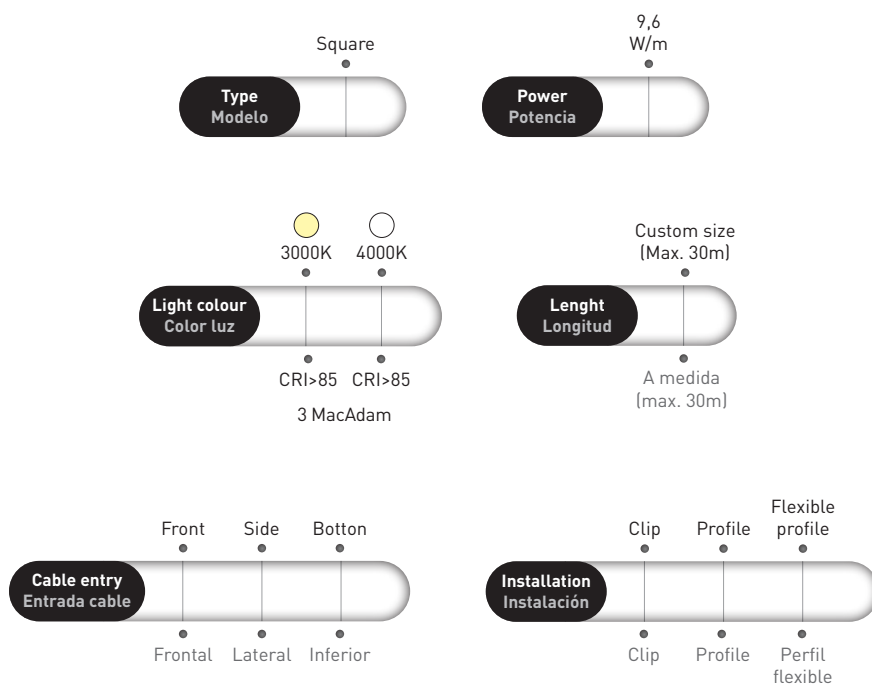
30m RUN | TOP & SIDEFLEX



SMARTLED FLEX® 3D Gen 2

30m RUN | TOP & SIDE FLEX

- Light to highlight architecture
 - Homogenous and comfortable light
 - Max run 30m without power drop (constant current)
 - 3D Flexible linear body (Vertical&horizontal bending)
 - Up to 520 lm/m
 - Cuttable each 6,2cm
 - 3 step MacAdam for chromatic stability control
 - Dimming by PWM
- Luz para dibujar la arquitectura
 - Luz uniforme y confortable
 - Longitud máxima 30m sin caída de tensión (corriente constante)
 - Cuerpo lineal flexible 3D (doblado horizontal&vertical)
 - Hasta 520 lm/m
 - Se puede cortar cada 6,2cm
 - 3 Step Mac Adam para estabilidad del color
 - Dimerizable por PWM



*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

	24V DC	IP67	IK10	CRI>85	3-step MacAdam	 PWM	Silicone	HEAT SHOCK tested	Saltwater resistant	UV protected	L80 B10 >50.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	CB Test	CE
---	-----------	------	------	--------	-------------------	---	----------	-------------------------	------------------------	-----------------	---------------------------------	--	------------	----

SmartLedFlex® 3D 30m run		
Power (1 m)	9,6 W / 96 LEDs	9,6 W / 96 LEDs
Color temperatures	3000K	4000K
Lumens output (1 m)	500 lm	520 lm
Luminaire efficiency	52 lm/W	54 lm/W
Cutting unit	62,5mm	
Measures / Weight	16x17mm 30m reel 14,50 Kg	



Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

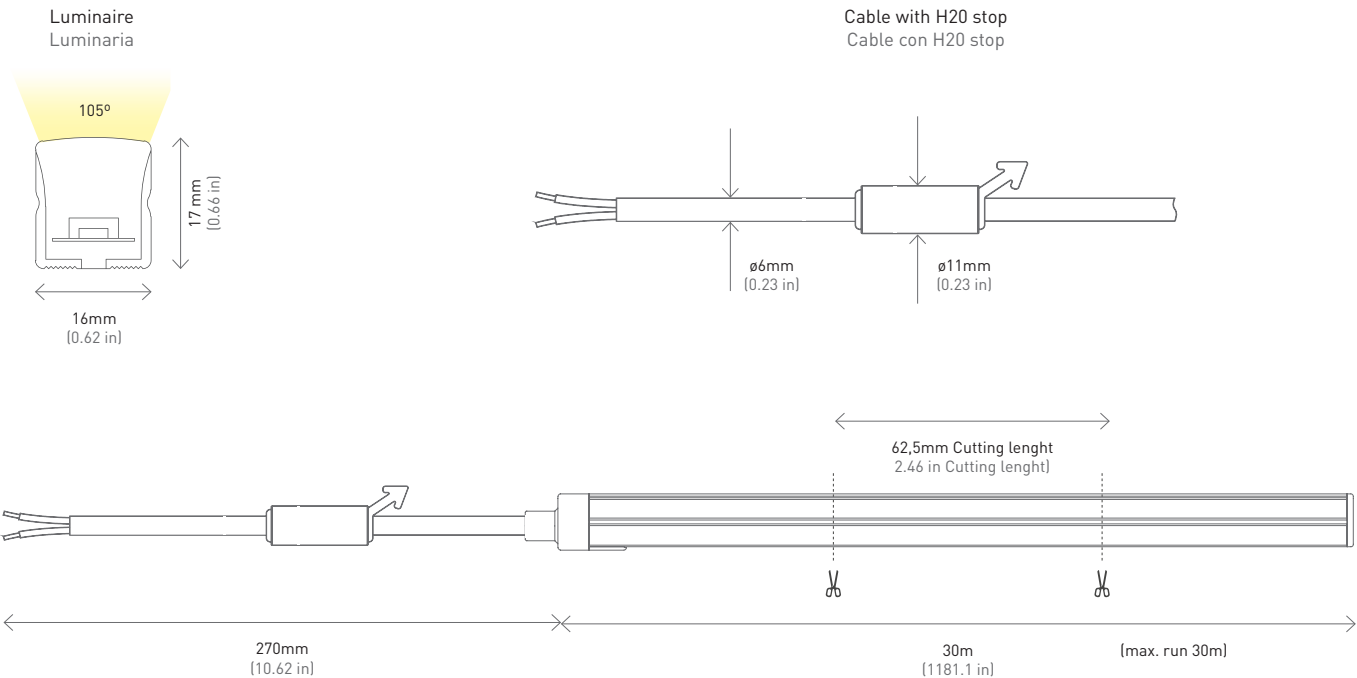
SMARTLED FLEX® 3D Gen 2

30m RUN | TOP & SIDE FLEX

MEASURES
MEDIDAS

SmartLedFlex® 3D Gen 2
30m run | Top & Sideflex

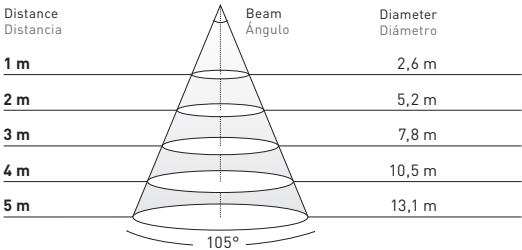
Full scale.
Escala real.



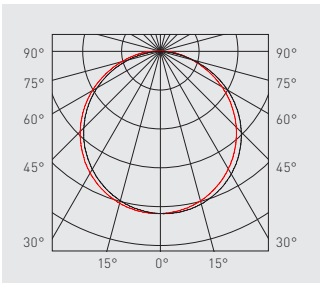
LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

SLF® 3D Gen 2
Top & Sideflex

9,6W



3000K	4000K
WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
58 lux	60 lux
15 lux	15 lux
6 lux	7 lux
4 lux	4 lux
2 lux	2 lux



Data calculated with **SmartLedFlex® 3D Gen 2 Top & Sideflex** (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® 3D Gen 2 Top & Sideflex** (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



Front cable silicone endcap.
Tapa final de silicona con salida de cable frontal.



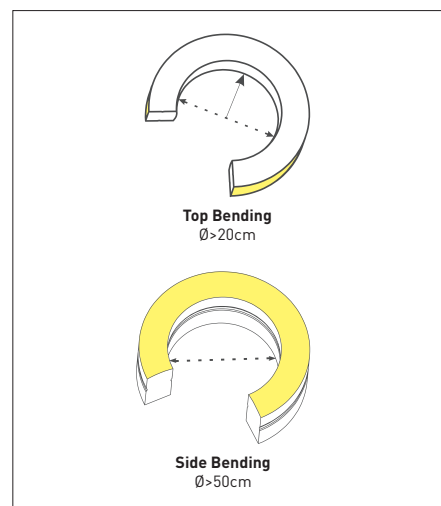
30 m reel.
Bobina de 30 m.



End cap with silicone.
Tapa final con silicona.



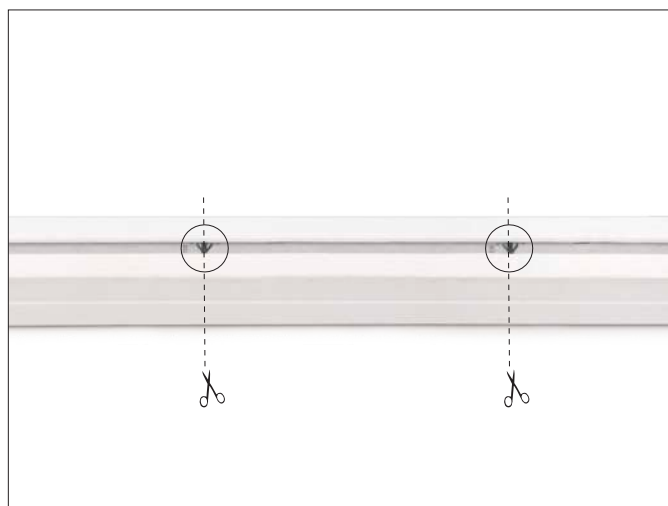
Injected end cap.
Tapa final inyectada.



Bending diameter
Diámetro de curvatura

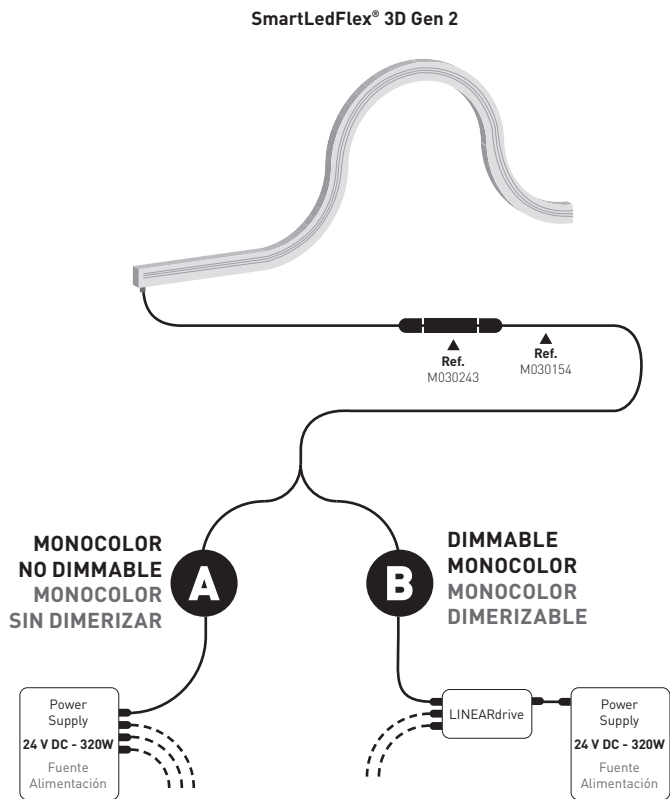


Wire with H2O stop.
Cable con H2O stop.



Cutting marks (each 62,5 mm.)
Marcas de corte (cada 62,5 mm.)

MONOCOLOR CONNECTIONS
CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR

9,6 W/m



Maximum 1 reels of 30 m connection to PSU 24 V DC - 320W (max. 30 m).

Máximo 1 bobina de 30 m. conectadas a fuente de alimentación de 24 V DC - 320W (máx. 30 m).

B

DIMMABLE WITH LINEARdrive 720
DIMERIZABLE CON LINEARdrive 720

9,6 W/m



Maximum 1 reel of 30 m in connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 30 m).

Máximo 1 bobina de 30 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24V DC - 320W) (máx. 30 m).

REFERENCES
REFERENCIAS

7320 0 0 0 /XX/XX

COLOR COLOR

/85/3K 3000K
/85/4K 4000K

LENGTH LONGITUD

0 30m
9 Custom made

FINISHES ACABADOS

0 White Blanco

OPTIONS
OPCIONES

Also available on request in 2K7, 3K5, 4K5 and 6K.
También disponible bajo demanda en 2K7, 3K5, 4K5 y 6K.

Also available on request with entry cable side or bottom.
También disponible bajo demanda con cable de entrada lateral o inferior.

The standard version is delivered with front cable entry, H20 stop and 0,27 m wire.
La versión estándar se suministra con entrada de cable frontal, H20 stop y cable de 0,27 m.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	62,5mm	9,6W	30 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

1

2

3

4

5

6








M134006	Aluminum clip (35mm)	Clip aluminio (35mm)	1
M131002/C12	Aluminum profile (2m)	Perfil aluminio (2m)	2
M131004	Flexible stainless steel profile (1m)	Perfil flexible inox (1m)	3
M200233	Silicone front cap (1u.)	Tapa frontal silicona (1u.)	4
M200234	Silicone side & bottom cap (1u.)	Tapa lateral e inferior silicona (1u.)	5
M200232	Silicone end cap (1u.)	Tapa final silicona (1u.)	6
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles) (monocolor)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos) (monocolor)	
M030154	3 x 1,5 mm² H07RN-F cable (m) (monocolor)	Cable 3 x 1,5 mm² H07RN-F (m) (monocolor)	
M030456	2 x 1,5 mm² Monocolor cable (0,30m)	Cable 2 x 1,5 mm² Monocolor (0,30m)	

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

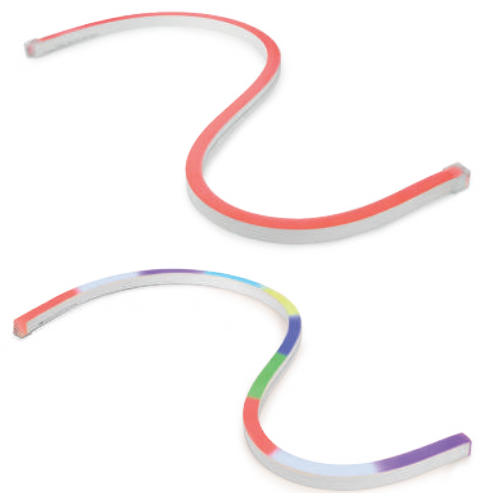
 Power supplies page 342
Fuentes de alimentación página 342





SMARTLED FLEX® **RGBW & RGBW PIXEL**

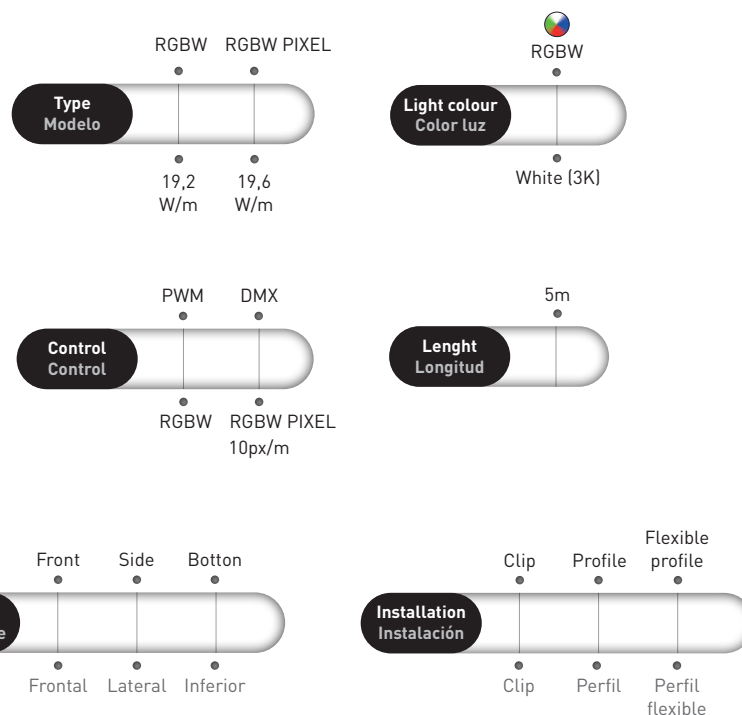
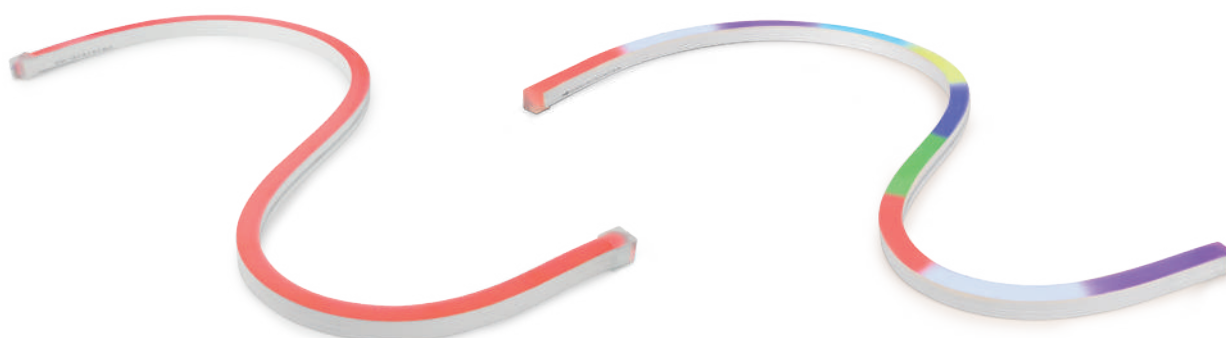
SIDE FLEX



SMARTLEDFLEX® RGBW & RGBW PIXEL

SIDEFLEX

- Light to highlight architecture
 - Flexible lineal fixture for media applications
 - RGBW model controllable by PWM
 - RGBW PIXEL model controllable 10 pixel/m by DMX
 - Homogenous and comfortable light
 - Up to 475 Lm/m
 - Beam angle 105°
 - Up to 5 meters per line
- Luz para dibujar la arquitectura
 - Luminaria lineal flexible para aplicaciones interactivas
 - Modelo RGBW controlable by PWM
 - Modelo RGBW PIXEL controlable 10 pixel/m by DMX
 - Luz uniforme y confortable
 - Hasta 475 lm/m
 - Ángulo de apertura 105°
 - Hasta 5 metros por línea



*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



24V
DC

IP67

IK08



DMX

Silicone

HEAT
SHOCK
tested

Saltwater
resistant

UV
protected

L80 B10
>50.000h
Ta +25°C

Ta min -25°C
-13°F
Ta max +50°C
+122°F

CB
Test

CE

RGBW

RGBW-Pixel

Smartledflex RGBW

Power (1 m)	19,2 W / 84 LEDs				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output (1 m)	64 lm	185 lm	44 lm	204 lm	475 lm
Luminaire efficiency (RGBW)	25 lm/W				
Cutting unit	71 mm				
Measures / Weight	16x17x5000mm 1,39 Kg				

Smartledflex RGBW PIXEL

Power (1 m)	19,6 W / 60 LEDs / 10 pixel/m				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output (1 m)	54 lm	134 lm	32 lm	154 lm	350 lm
Luminaire efficiency (RGBW)	18 lm/W				
Cutting unit	100 mm				
Measures / Weight	16x17x5000mm 1,35 Kg				



Epsilon,
Euskadi, Spain

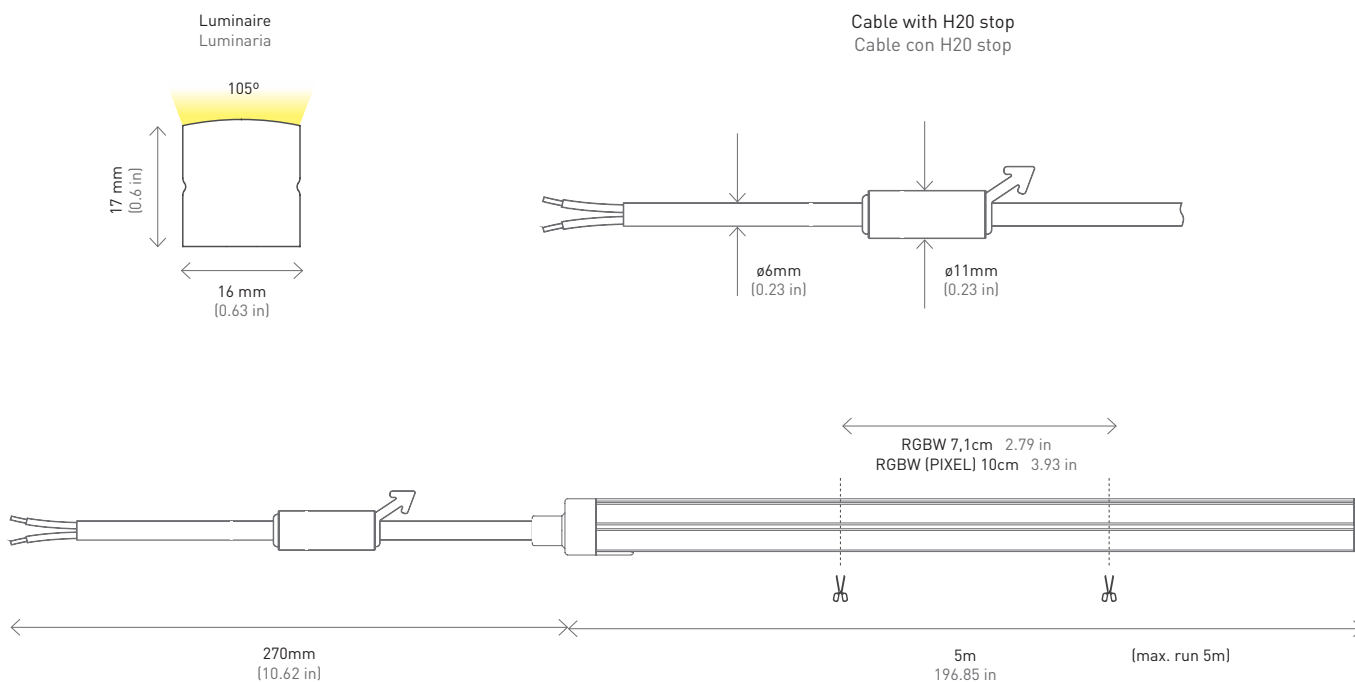
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

SMARTLED FLEX® RGBW & RGBW PIXEL

SIDE FLEX

MEASURES MEDIDAS

SmartLedFlex® RGBW & RGBW PIXEL Sideflex

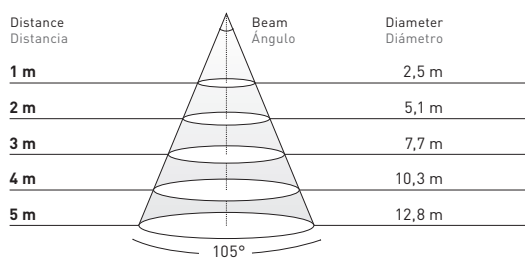


LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

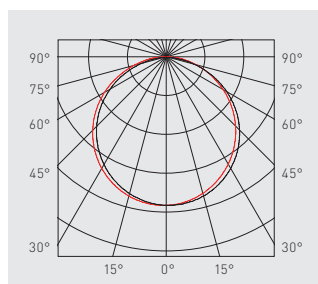
SLF® RGBW

19,2W

R+G+B+W



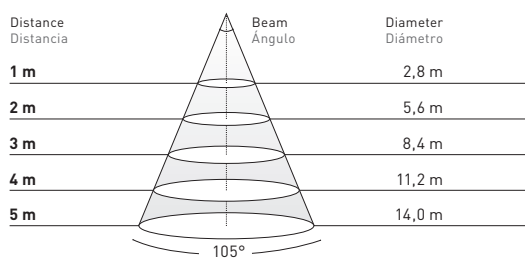
56 lux
14 lux
6 lux
3 lux
2 lux



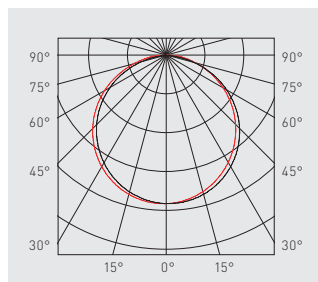
SLF® RGBW Pixel

19,6W

R+G+B+W



38 lux
9 lux
4 lux
2 lux
1 lux



Data calculated with SmartLedFlex® RGBW & RGBW Pixel (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® RGBW & RGBW Pixel (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



Front or side cable silicone endcap.
Tapa final de silicona con salida de cable frontal o lateral.



Front cable silicone endcap.
Tapa final de silicona con salida de cable frontal.



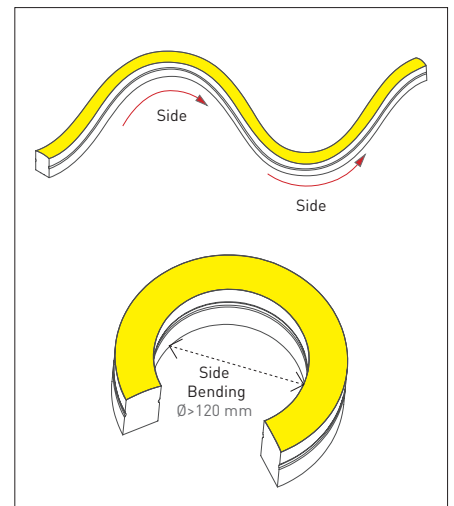
Wire with H20 stop.
Cable con H20 stop.



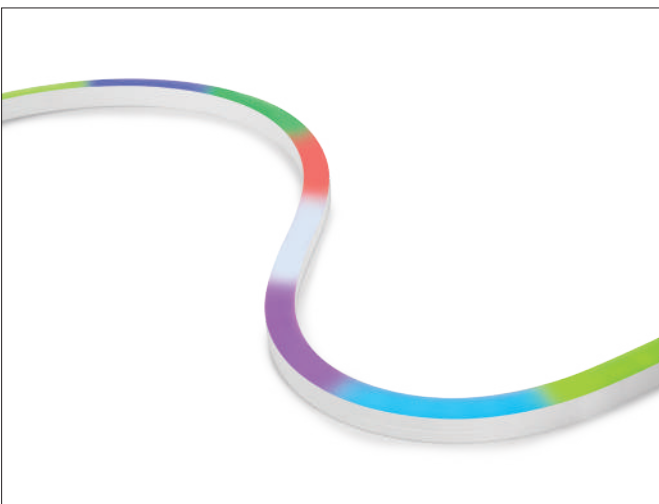
Side cable injected endcap.
Tapa final inyectada con salida de cable lateral.



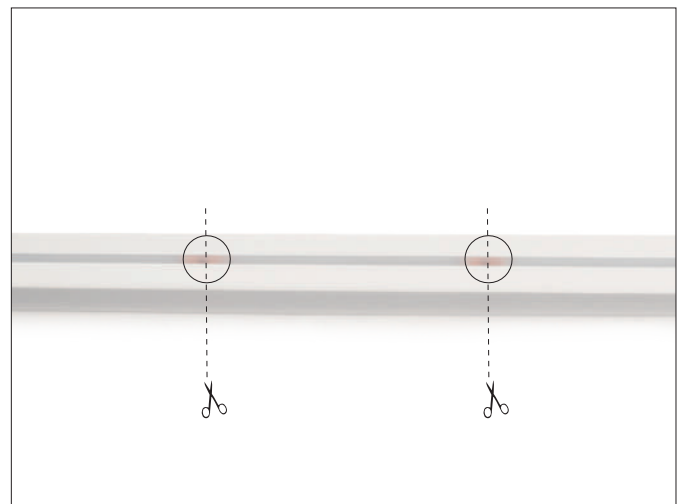
Closed injected endcap.
Tapa final inyectada.



Bending diameter 120 mm.
Diámetro de curvatura 120 mm.



RGBW PIXEL (10 pixel/m)
RGBW PIXEL (10 pixel/m).

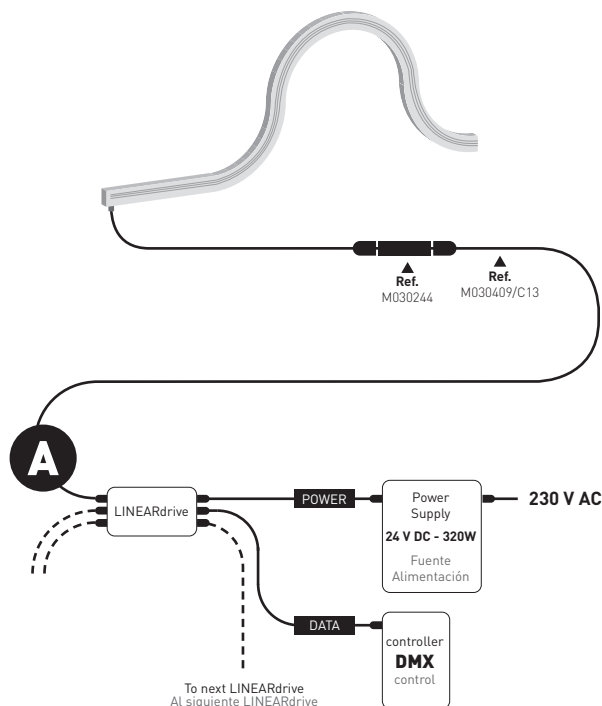


Cutting marks each 71 mm RGBW & 100 mm RGBW Pixel
Marcas de corte cada 71 mm.RGBW y 100mm RGBW Pixel.

SMARTLED FLEX® RGBW & RGBW PIXEL

SIDE FLEX

RGBW CONNECTIONS CONEXIONES RGBW



A

RGBW RGBW

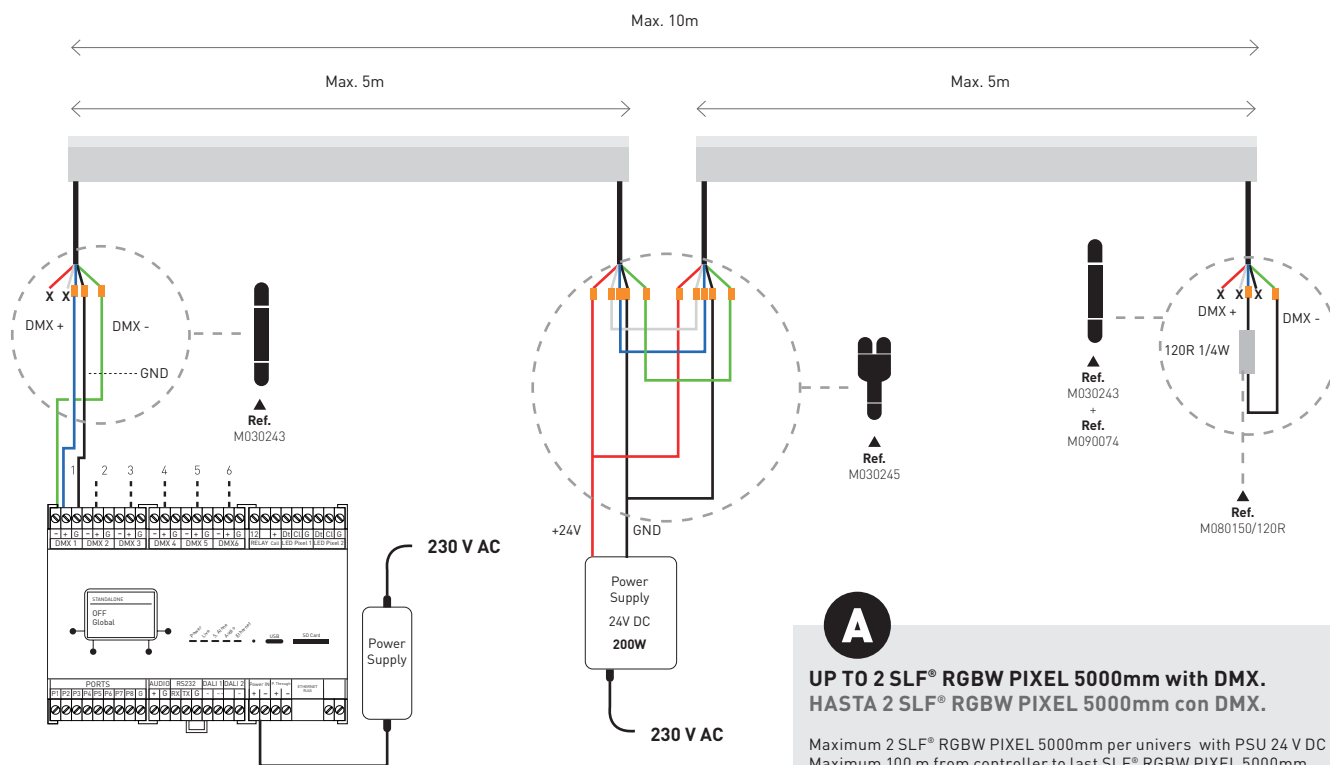
19,2 W/m



Maximum 3 reels of 5 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 15 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. 15m).
Máximo 5 m desde la fuente de alimentación a la primera bobina.

RGBW PIXEL FOR DMX CONNECTIONS CONEXIONES DMX PARA RGBW PIXEL



A

UP TO 2 SLF® RGBW PIXEL 5000mm with DMX. HASTA 2 SLF® RGBW PIXEL 5000mm con DMX.

Maximum 2 SLF® RGBW PIXEL 5000mm per univers with PSU 24 V DC 200W.
Maximum 100 m from controller to last SLF® RGBW PIXEL 5000mm.

Máximo 2 SLF® RGBW PIXEL 5000 mm por universo con fuente de alimentación de 24 V DC - 200W.
Máximo 100 m del controlador al último SLF® RGBW PIXEL 5000 mm.

REFERENCES REFERENCIAS

732	X	0	0	5	/11/3K	
						COLOR COLOR
						/11-3K RGBW (3000K)
						LENGTH LONGITUD
						5 5m
						FINISHES ACABADOS
						0 White Blanco
						CABLE ENTRY ENTRADA CABLE
						0 Front Frontal
						TYPE MODELO
						1 RGBW
						2 RGBW Pixel

The luminaire is delivered with 0,30 m wire.
La luminaria se suministra con cable de 0,30 m.

OPTIONS OPCIONES

Also available on request with entry cable side or bottom.
También disponible bajo demanda con cable de entrada lateral o inferior.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.	Lengths must be compatible with cutting units. Las longitudes tienen que ser compatibles con las unidades de corte.
 RGBW	71 mm	19,2 W	5 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.
 RGBW Pixel	100 mm	19,6 W	5 m	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

1	2	3	4	5	6
					
M134006	Aluminium clip (35mm)		Clip aluminio (35mm)		1
M131002/C12	Aluminium profile (2m)		Perfil aluminio (2m)		2
M131004	Flexible stainless steel profile (1m)		Perfil flexible inox (1m)		3
M200233	Silicone front cap (1u.)		Tapa frontal silicona (1u.)		4
M200234	Silicone side & bottom cap (1u.)		Tapa lateral e inferior silicona (1u.)		5
M200232	Silicone end cap (1u.)		Tapa final silicona (1u.)		6
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles) (monocolor)		Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos) (monocolor)		
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)		Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)		
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)		Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)		
M030409/C13	5 x 0,75 mm² PUR cable		Cable PUR 5 x 0,75 mm²		
M090074	Tee tube plug		Tapón Tee Tube		
M080150/120R	Resistance 120R 1/4W		Resistencia 120R 1/4W		
M030457	5 x 0,34 mm² RGBW cable (0,30m)		Cable 5 x 0,34 mm² RGBW (0,30m)		

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

 Power supplies page 342
Fuentes de alimentación página 342





SMARTLEDFLEX® **RGBW**

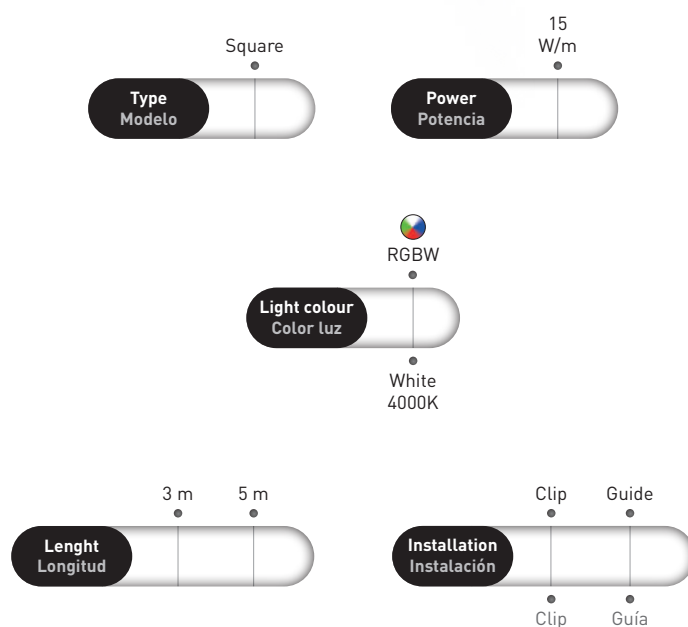
TOPFLEX



SMARTLED FLEX® RGBW

TOPFLEX

- Light to highlight architecture
 - Homogenous light without visible dots
 - 1 bin: High RGBW color quality and chromatic stability control
 - Beam angle 110°
 - Up to 430 lm/m
 - Flexible linear body
 - Up to 5 meters per line
- Luz para dibujar la arquitectura
 - Luz uniforme sin puntos visibles
 - 1 bin: Gran calidad y estabilidad del color RGBW
 - Ángulo de apertura 110°
 - Hasta 430 lm/m
 - Cuerpo lineal flexible
 - Hasta 5 metros por línea

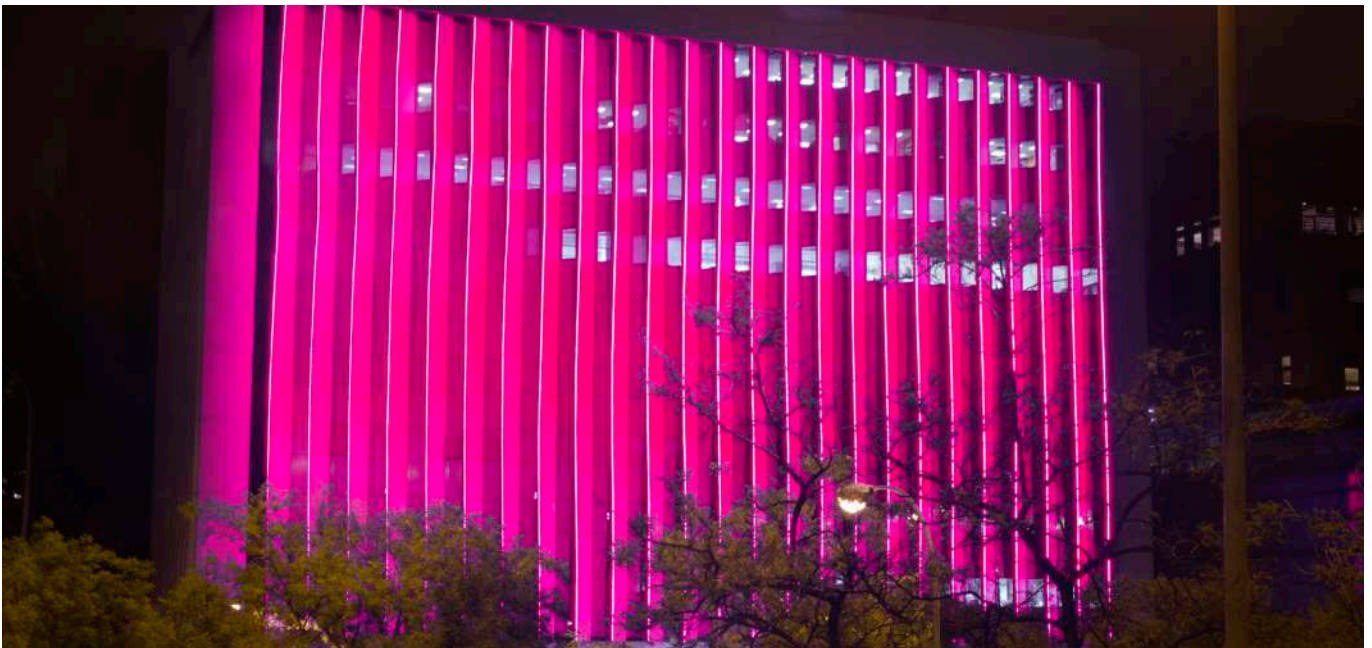


*Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.*

SPECIFICATIONS
CARACTERÍSTICAS

	24V DC	IP67	IK08	CRI>80 white	ONE BIN color consistency	 Dimmable	Silicone	HEAT SHOCK tested	Saltwater resistant	UV protected	L80 B10 >50.000h Ta +25°C	<table><tr><td>Ta min</td><td>-25°C -13°F</td></tr><tr><td>Ta max</td><td>+50°C +122°F</td></tr></table>	Ta min	-25°C -13°F	Ta max	+50°C +122°F	
Ta min	-25°C -13°F																
Ta max	+50°C +122°F																

Power (1 m)	15 W / 96 LEDs				
Color temperatures	RGBW				
	Red	Green	Blue	4000K	R+G+B+W
Lumens output (1 m)	46 lm	142 lm	42 lm	217 lm	430 lm
Luminaire efficiency (RGBW)	29 lm/W				
Cutting unit	125 mm				
Measures / Weight	15x16x1000mm 1,05 Kg				



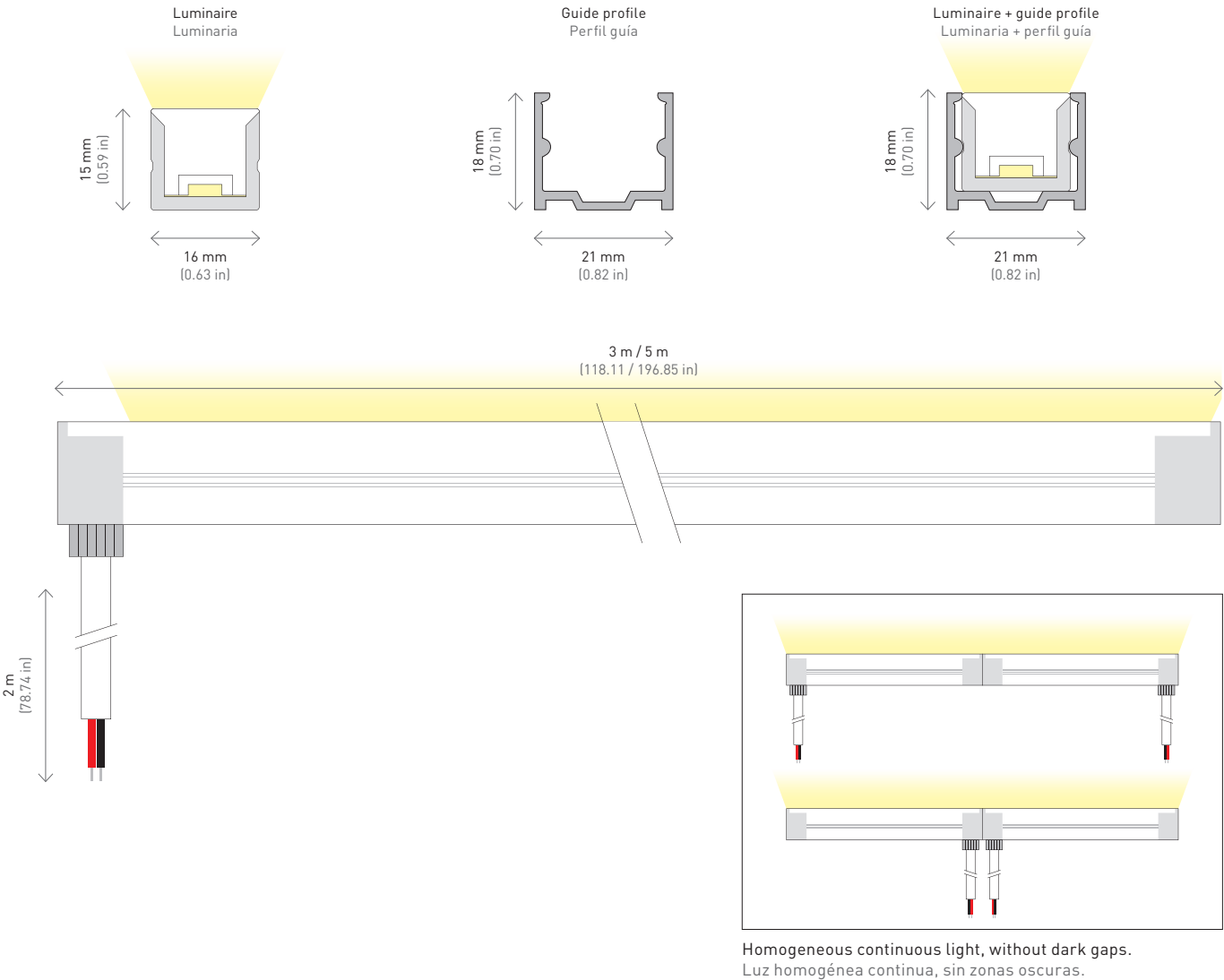
Mutua Madrileña,
Madrid, Spain

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

MEASURES
MEDIDAS

SmartLedFlex® RGBW
Topflex

Full scale.
Escala real.



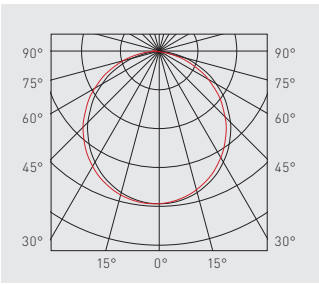
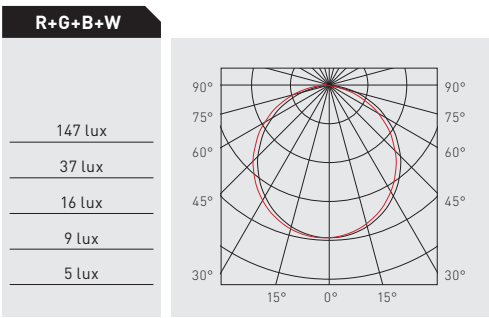
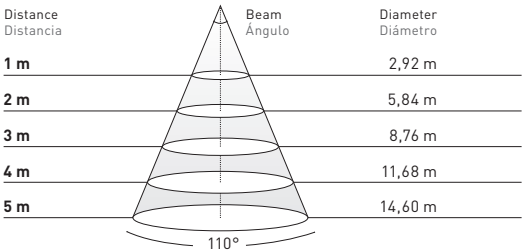
Homogeneous continuous light, without dark gaps.
Luz homogénea continua, sin zonas oscuras.

LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

SLF® RGBW Topflex

15W

R+G+B+W



Data calculated with SmartLedFlex® RGBW 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® RGBW 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



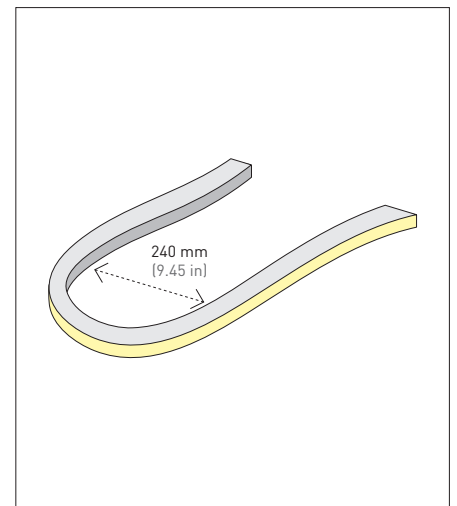
Bottom cable injected endcap.
Tapa final inyectada con salida de cable hacia abajo.



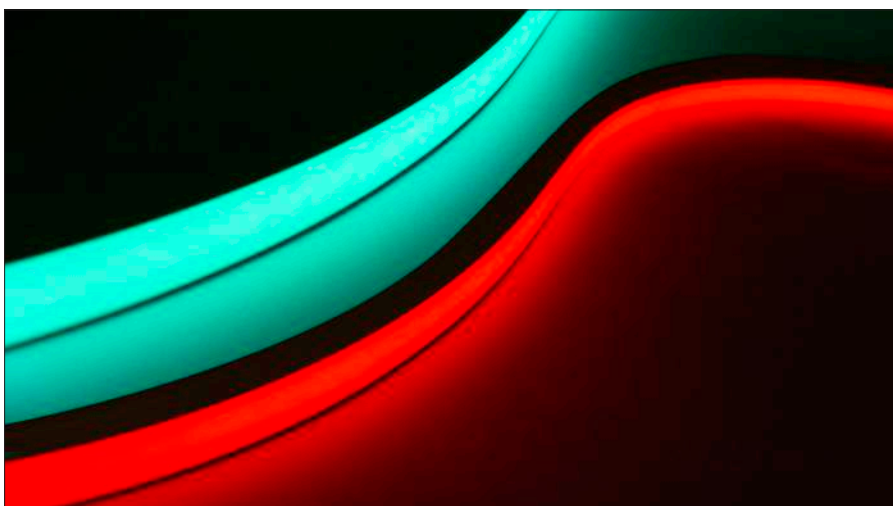
Closed injected endcap.
Tapa final inyectada.



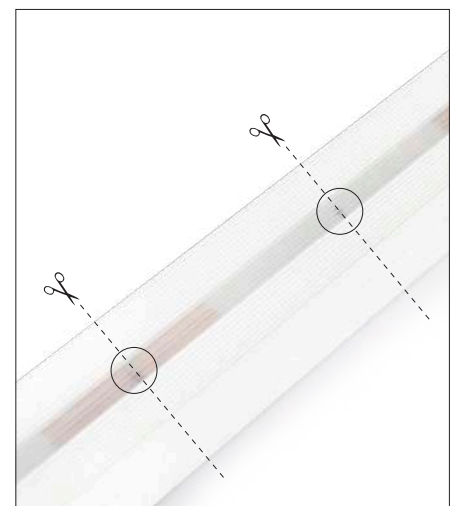
Due to tolerances of the production process the total lengths could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.



Bending diameter 240 mm.
Diámetro de curvatura 240 mm.

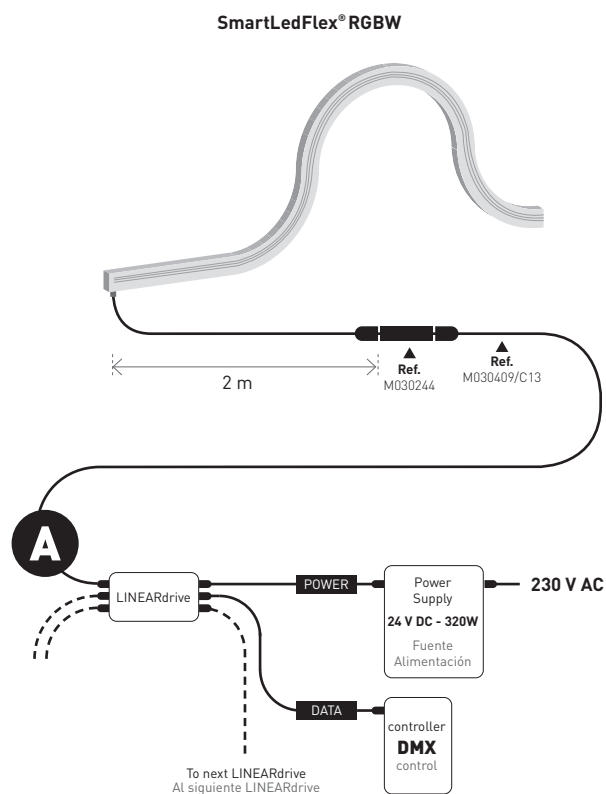


RGBW.
RGBW.



Cutting marks (each 125 mm.)
Marcas de corte (cada 125 mm.)

RGBW CONNECTIONS CONEXIONES RGBW



A

RGBW RGBW

15 W/m



Maximum 4 reels 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 4 bobinas 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.

REFERENCES REFERENCIAS

723	2	0	0	X	/11-4K		
						COLOR	COLOR
						/11-4K	RGBW (4000K)
						TYPE	MODELO
						3	3 m
						5	5 m
						FINISHES	ACABADOS
						0	White Blanco
						BEAM	ÁNGULO
						0	110°
						CABLE ENTRY	ENTRADA CABLE
						2	Bottom Abajo

The luminaire is delivered with 2m white wire.
La luminaria se suministra con cable blanco de 2m.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	125 mm	15 W	5 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.

OPTIONS OPCIONES

Also available on request in RGBW (2K7) and RGBW (5K3).
También disponible bajo demanda en RGBW (2K7) y RGBW (5K3).

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M130074/C12	Aluminium profile (2m)	Perfil aluminio (2m)	1
M134001	Stainless steel 316 mounting clips (2u.)	Clips montaje acero inoxidable 316 (2u.)	2
M200230	Silicone end cap (1u.)	Tapa final silicona (1u.)	3
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)	4
M030409/C13	5 x 0,75 mm ² PUR cable (RGB)	Cable PUR 5 x 0,75 mm ² (RGB)	

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

 Power supplies page 342
Fuentes de alimentación página 342



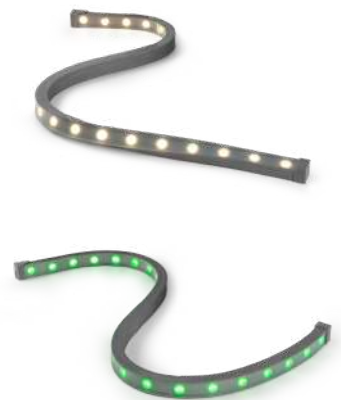


SMARTLEDFLEX® **LENS 3D** Gen 2

CUTTABLE

TOP & SIDEFLEX (MONOCOLOR)

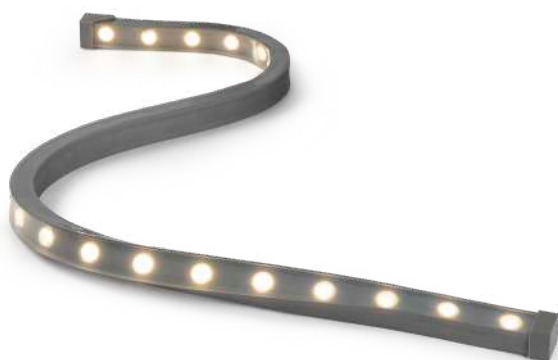
TOPFLEX (RGBW)



SMARTLED FLEX® LENS 3D Gen 2

CUTTABLE | TOP & SIDEFLEX (MONOCOLOR) | TOPFLEX (RGBW)

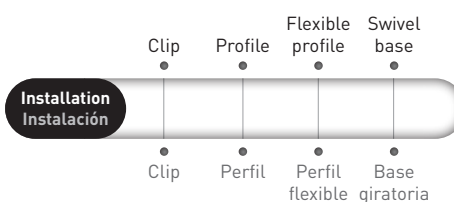
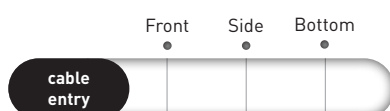
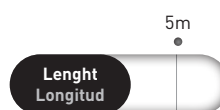
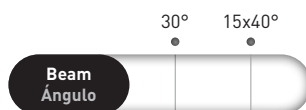
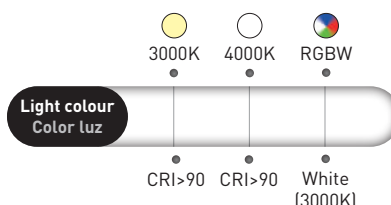
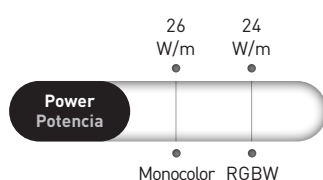
- Light to highlight organic architecture
 - Ideal for curved architecture, arches, bridges, trees, etc.
 - Flexible wall washer fixture up to 5m
 - Up to 1800lm/m (monocolor)
 - Top&side bending (monocolor) and top bending (RGBW)
 - Cuttable each 4cm (monocolor) and 25cm (RGBW)
 - 2 beam angles: 30° and 15x40°
 - End cap with front, side or bottom cable entry
 - Installation accessories for complex architectures
- Luz para iluminar arquitectura orgánica
 - Ideal para arquitectura curvada, arcos, puentes, arboles, etc.
 - Bañador de pared flexible hasta 5m
 - Hasta 1800lm/m (monocolor)
 - Doblado vertical & horizontal (monocolor) y vertical (RGBW)
 - Se puede cortar cada 4cm (monocolor) y 25cm (RGBW)
 - 2 ópticas diferentes: 30° y 15x40°
 - Tapa final con entrada de cable frontal, lateral o hacia abajo
 - Accesorios de instalación para arquitecturas complejas



1 LED | 1 Cut
MONOCOLOR



6 LED | 1 Cut
RGBW



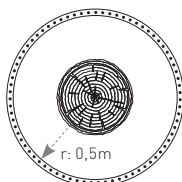
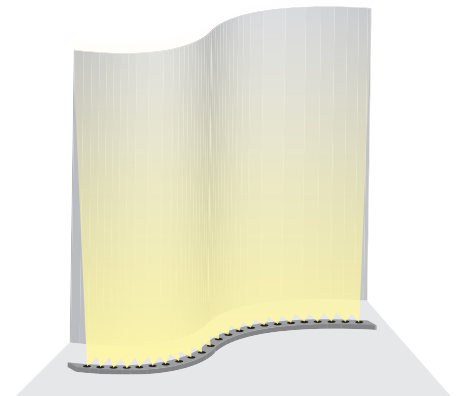
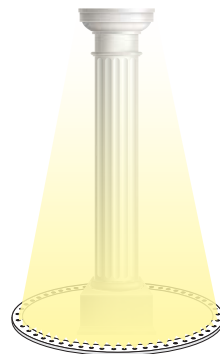
*Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.*

SPECIFICATIONS
CARACTERÍSTICAS

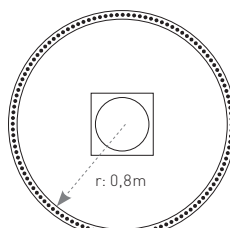
	24V DC	IP67	IK08	CRI>90		Silicone	HEAT SHOCK tested	Saltwater resistant	UV protected	L80 B10 >50.000h Ta +25°C	Ta -25°C min -13°F Ta +50°C max +122°F	CB Test	CE
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SmartLedFlex® Lens 3D Gen 2 Monocolor		
Power (1 m)	26 W/m / 24 LEDs/m	26 W/m / 24 LEDs/m
Color temperatures	3000K	4000K
Lumens output (1 m)	30° - 1655 lm 15°x40° - 1590 lm	30° - 1800 lm 15°x40° - 1660 lm
Luminaire efficiency	63 lm/W	69 lm/W
Cutting unit	42mm (1 module LED)	
Measures / Weight	24x18mm 5m reel 2,3 Kg	

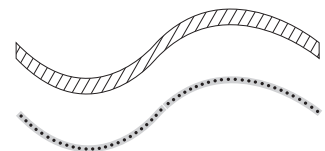
SmartLedFlex® Lens 3D Gen 2 RGBW					
Power (1 m)	24 W/m / 24 LEDs/m				
Color temperatures	R	G	B	W:3000K	R+G+B+W
Lumens output (1 m)	30° - 187 lm 15°x40° - 155 lm	30° - 572 lm 15°x40° - 473 lm	30° - 143 lm 15°x40° - 118 lm	30° - 380 lm 15°x40° - 305 lm	30° - 1280 lm 15°x40° - 1050 lm
Luminaire efficiency	8 lm/W	24 lm/W	6 lm/W	16 lm/W	53 lm/W
Cutting unit	250mm (6 modules LED)				
Measures / Weight	24x18mm 5m reel 2,3 Kg				



1 luminaire of 3 meters (Ø1m)
1 luminaria de 3 metros (Ø1m)



1 luminaire of 5 meters (Ø1,6m)
1 luminaria de 5 metros (Ø1,6m)



1 luminaire of 2 meters
1 luminaria de 2 metros

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

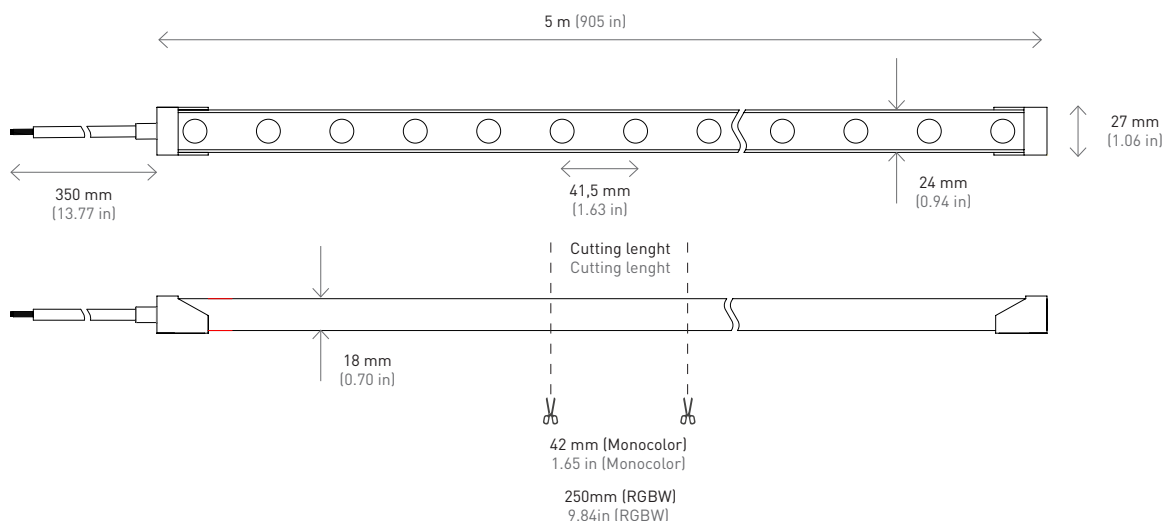
SMARTLED FLEX® LENS 3D Gen 2

CUTTABLE | TOP & SIDE FLEX (MONOCOLOR) | TOP FLEX (RGBW)

MEASURES MEDIDAS

SmartLedFlex® Lens 3D Gen 2

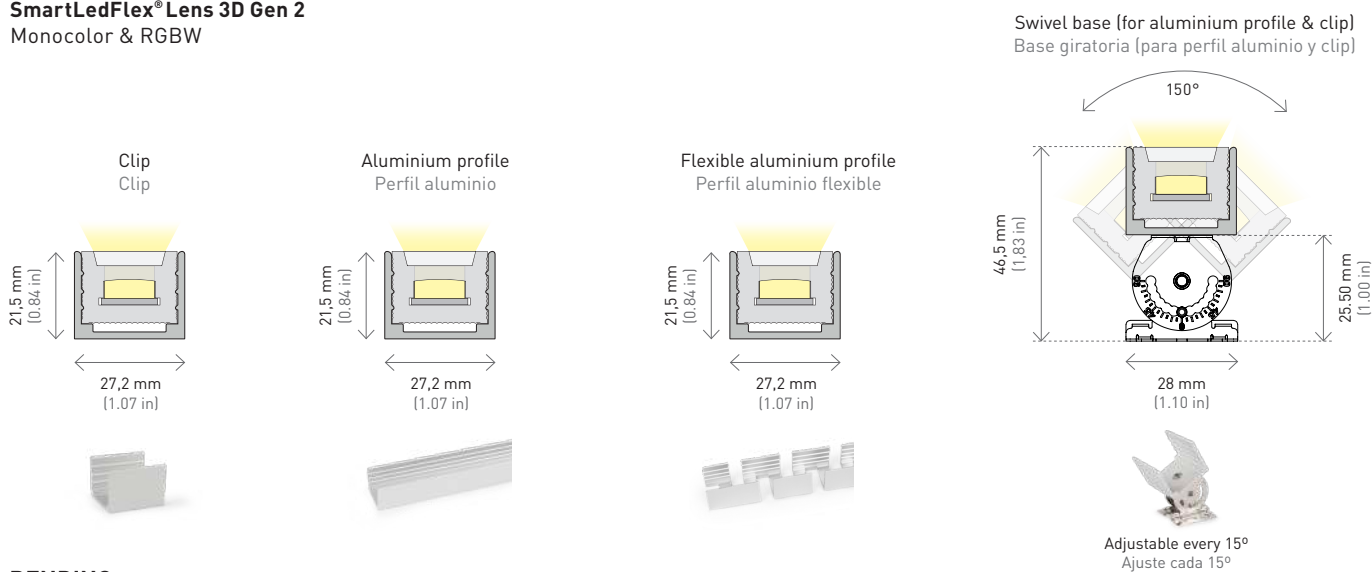
Monocolor & RGBW



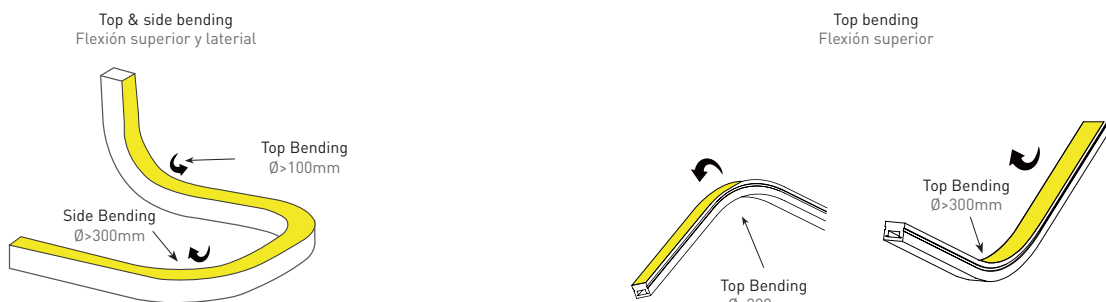
BRACKETS SOPORTES

SmartLedFlex® Lens 3D Gen 2

Monocolor & RGBW



BENDING CURVATURA



SmartLedFlex® Lens 3D Gen 2 | Monocolor

SmartLedFlex® Lens 3D Gen 2 | RGBW

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

SLF® 3D Lens 3D Monocolor

Distance
Distancia

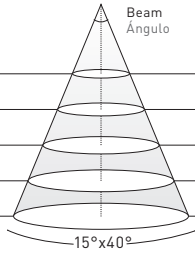
1 m

2 m

3 m

4 m

5 m



Beam
Ángulo

26W

Diameter
Diámetro

0,7 m

1,4 m

2,1 m

2,8 m

3,5 m

3000K

WARM WHITE
BLANCO CÁLIDO

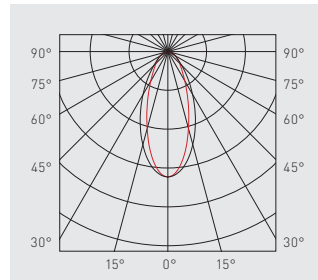
920 lux

230 lux

102 lux

58 lux

37 lux



Data calculated with **SmartLedFlex® 3D Gen 2 Top & Sideflex** (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® 3D Gen 2 Top & Sideflex** (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.



SMARTLED FLEX® LENS 3D Gen 2

CUTTABLE | TOP & SIDE FLEX (MONOCOLOR) | TOP FLEX (RGBW)

DETAILS DETALLES



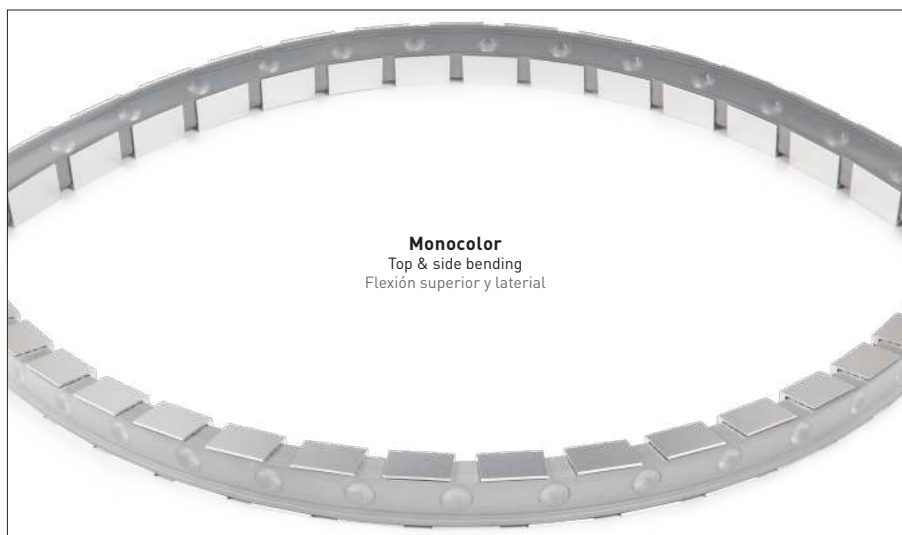
Aluminium mounting clip accessory.
Accesorio clip montaje aluminio.



Aluminium profile accessory.
Accesorio perfil aluminio.



Swivel base accessory ($\pm 75^\circ = 150^\circ$)
Accesorio base giratoria ($\pm 75^\circ = 150^\circ$)



Monocolor
Top & side bending
Flexión superior y lateral

Aluminium flexible profile accessory (Monocolor).
Accesorio perfil flexible aluminio (Monocolor).



Bottom cable entry. Cable lenght 30 cm.
Entrada de cable inferior. Longitud del cable 30 cm.



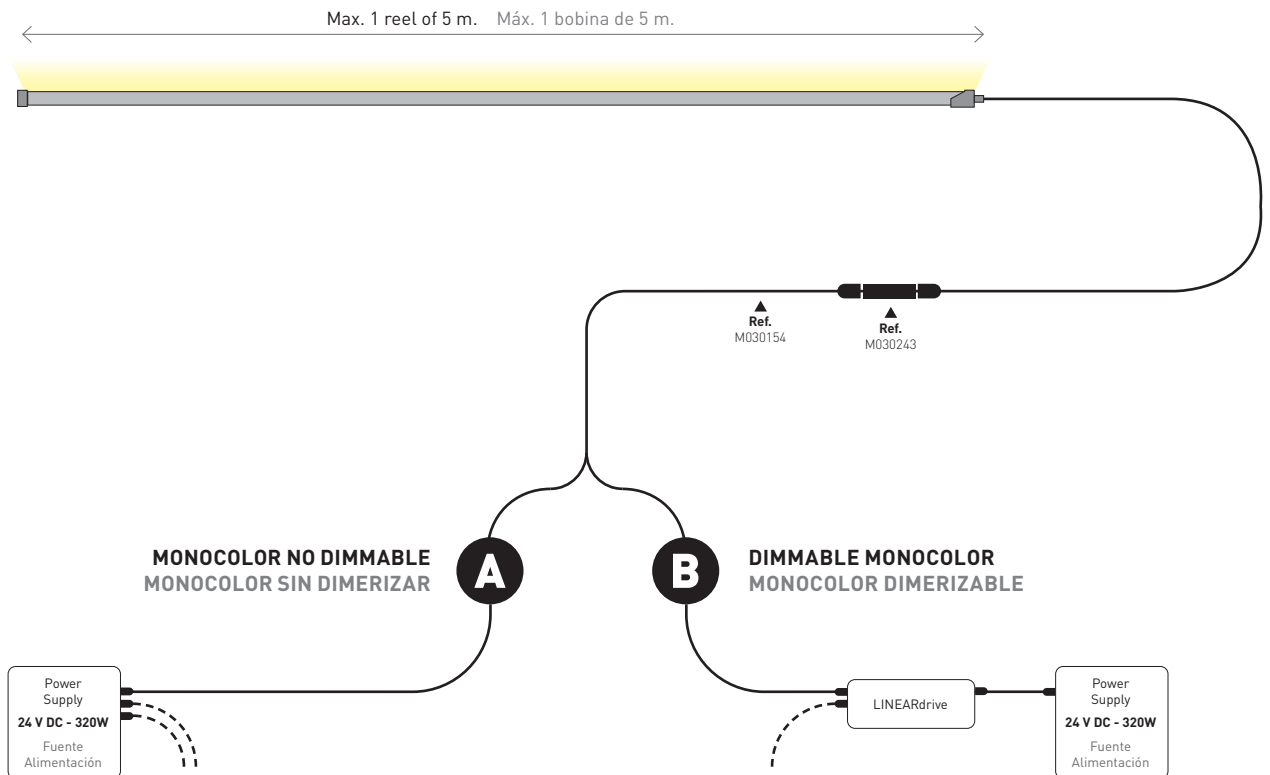
RGBW
Top bending
Flexión superior

Aluminium flexible profile accessory (RGBW).
Accesorio perfil flexible aluminio (RGBW).



Front cable entry. Stainless steel ring.
Entrada de cable frontal. Aro metal inox.

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

26 W/m



Maximum 2 reels of 5 m in parallel connection to PSU 24 V DC - 320W (max. 10 m).
Maximum 5 m from the power supply to the first SmartLedFlex®3D Top & Sideflex.

Máximo 2 bobinas de 5 m. en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 10 m).
Máximo 5 m. desde la fuente de alimentación al primer SmartLedFlex®3D Top & Sideflex.

B

DIMMABLE WITH LINEARdrive 720 DIMERIZABLE CON LINEARdrive 720

26 W/m



Maximum 2 reels of 5 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 10 m).
Maximum 5 m from the power supply to the first reel connection.

Máximo 2 bobinas de 5 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24V DC - 320W) (máx. 10 m).
Máximo 5 m desde la fuente de alimentación a la primera bobina.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	42 mm	26 W	5 m

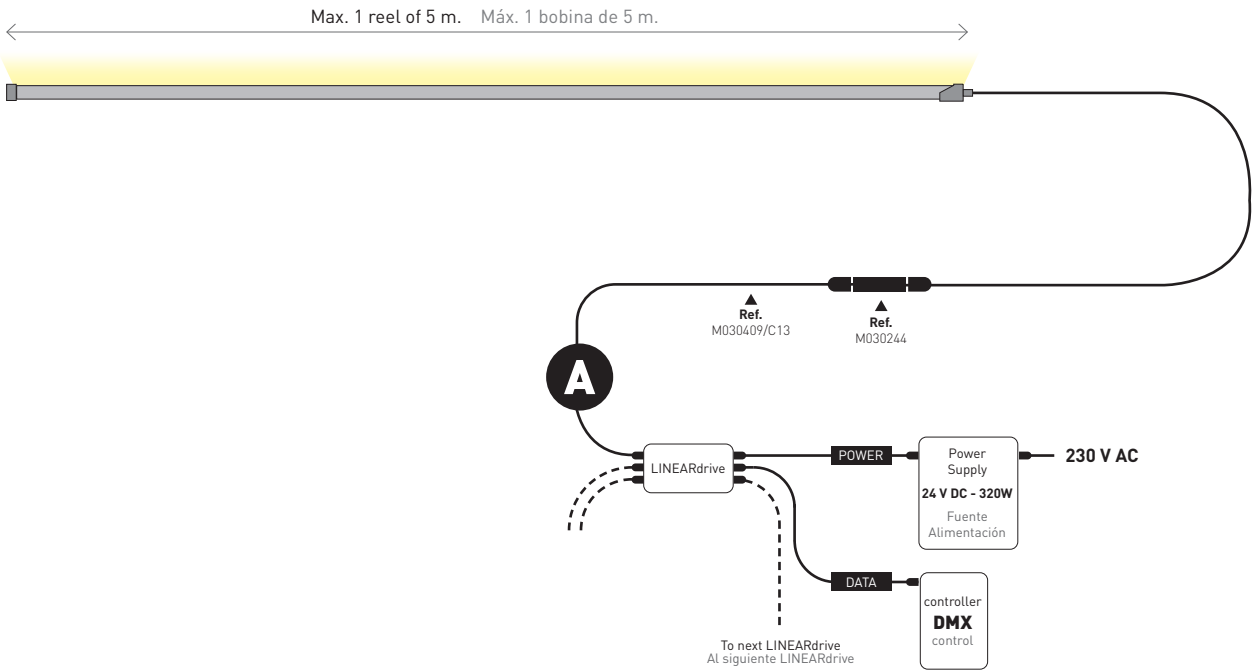
Lengths must be compatible with cutting units.
Las longitudes tienen que ser compatibles con las unidades de corte.

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.

RGBW CONNECTIONS

CONEXIONES RGBW



A

RGBW
RGBW

24 W/m



Maximum 2 reels of 5 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 10 m).
Maximum 5 m from the power supply to the first reel connection.

Máximo 2 bobinas de 5 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W) (máx. 10 m).
Máximo 5 m desde la fuente de alimentación a la primera bobina.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	250 mm	24 W	5 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 lenghts could change slightly.
Debido a las tolerancias del proceso de producción las longitudes totales pueden cambiar ligeramente.

REFERENCES REFERENCIAS

732	X	0	X	5	/XX/XX
		COLOR		COLOR	
		/90/3K		3000K	
		/90/4K		4000K	
		/11-3K		RGBW (3000K)	
		LENGTH		LONGITUD	
		5		5m	
		BEAM		ÁNGULO	
		0		30°	
		1		15°x40°	
		CABLE ENTRY		ENTRADA CABLE	
		0		Front Frontal	
		TYPE		MODELO	
		5		Monocolor	
		6		RGBW	

The standard version is delivered with front cable entry and 0,30 m wire.
La versión estándar se suministra con entrada de cable frontal y cable de 0,30 m.

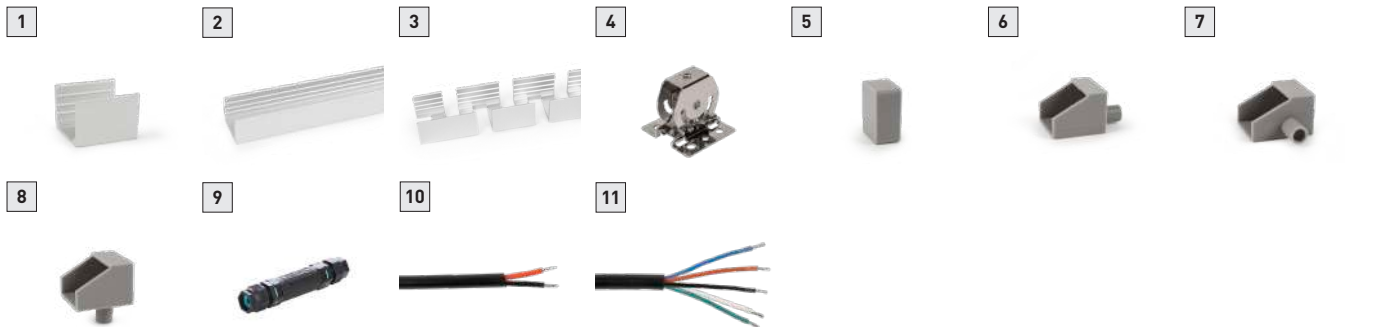
OPTIONS OPCIONES

Also available on request in :
Monochrome: 2700K and 6000K
RGBW: White 4000K
También disponible bajo demanda en:
Monocolor: 2700K y 6000K
RGBW: Blanco 4000K

Also available on request in 20° and 40°.
También disponible bajo demanda en 20° y 40°.

Also available on request with entry cable side or bottom.
También disponible bajo demanda con cable de entrada lateral o inferior.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M134007	Aluminum clip (35mm)	Clip aluminio (35mm)	1
M131003/C12	Aluminum profile (2m)	Perfil aluminio (2m)	2
M131005/C12	Flexible aluminium profile (1m)	Perfil flexible aluminio (1m)	3
M134008	Swivel base (for aluminium profile & clip)	Base giratoria Base giratoria (para perfil aluminio y clip)	4
M200235	Silicone end cap (1u)	Tapa final silicona (1u)	5
M200236	Silicone front end cap (1u)	Tapa final frontal silicona (1u)	6
M200237	Silicone side end cap (1u)	Tapa final lateral silicona (1u)	7
M200238	Silicone bottom end cap (1u)	Tapa final inferior silicona (1u)	8
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles) (monocolor)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos) (monocolor)	9
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)	
M030154	3 x 1,5 mm² H07RN-F cable (m) (monocolor)	Cable 3 x 1,5 mm² H07RN-F (m) (monocolor)	
M030458	2 x 0,75 mm² Monocolor cable (0,35m)	Cable 2 x 0,75 mm² Monocolor (0,35m)	10
M030459	5 x 0,3 mm² RGBW cable (0,35m)	Cable 5 x 0,3 mm² RGBW (0,35m)	11
M030409/C13	5 x 0,75 mm² PUR cable (RGBW)	Cable PUR 5 x 0,75 mm² (RGBW)	

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Power supplies page 342
Fuentes de alimentación página 342





SMARTLEDFLEX® MODULE LENS

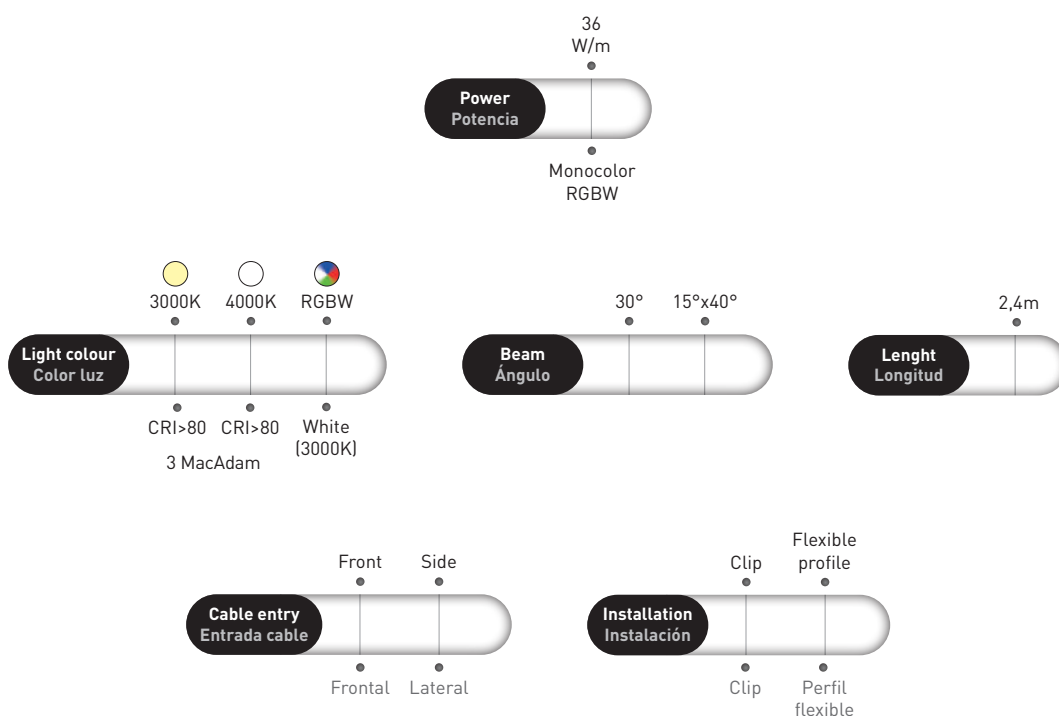
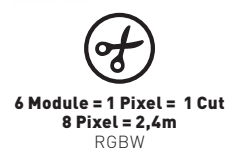
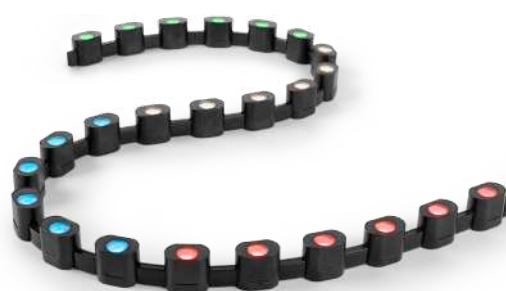
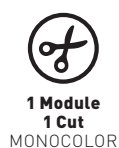
CUTTABLE | SIDEFLEX



SMARTLED FLEX® MODULE LENS

CUTTABLE | SIDE FLEX

- Light to highlight organic architecture
 - Ideal for curved architecture, arches, bridges, trees, etc.
 - Powerful flexible wall washer up to 7m height
 - Up to 2500 lm/m (monocolor)
 - Cuttable each 5cm (monocolor) and 30cm (RGBW)
 - 2 beam angles: 30° and 15x40°
 - End cap with front or side cable entry
 - Installation accessories for complex architectures
- Luz para iluminar arquitectura orgánica
 - Ideal para arquitectura curvada, arcos, puentes, arboles, etc.
 - Bañador flexible de paredes potente hasta 7m de altura
 - Hasta 2500lm/m (monocolor)
 - Se puede cortar cada 5cm (monocolor) y 30cm (RGBW)
 - 2 ópticas diferentes: 30° y 15x40°
 - Tapa final con entrada de cable frontal o lateral
 - Accesorios de instalación para arquitecturas complejas

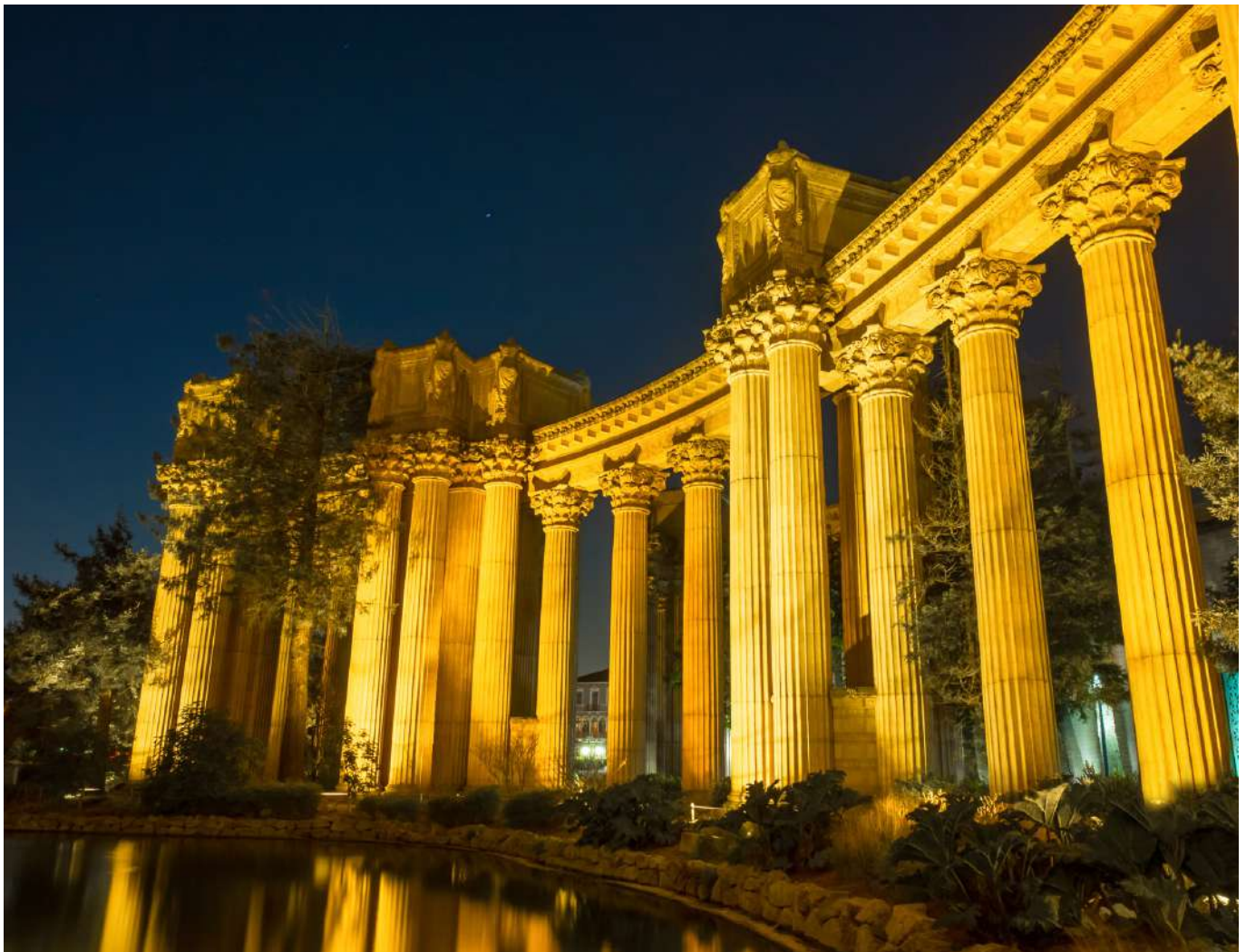


SPECIFICATIONS CARACTERÍSTICAS

	24V DC	IP67	IK06	CRI>80	3-step MacAdam	 Dimmable Monocolor	DMX RGBW	8PX 2,4m RGBW	AL Housing	Security GLASS Cover	L80 B10 >50.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	CB Test	CE
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SmartLedFlex® MODULE LENS Monocolor		
Power (1 m)	36 W/m / 20 LEDs	36 W/m / 20 LEDs
Color temperatures	3000K	4000K
Lumens output (1 m)	30° - 2290 lm 15°x40° - 2200 lm	30° - 2535 lm 15°x40° - 2445 lm
Luminaire efficiency	64 lm/W	70 lm/W
Cutting unit	50mm (1 module LED)	
Measures / Weight	30x21mm 2,4m reel 1,4 Kg	

SmartLedFlex® MODULE LENS RGBW					
Power (1 m)	36 W/m / 20 LEDs				
Color temperatures	R	G	B	W	R+G+B+W
Lumens output (1 m)	30° - 170 lm 15°x40° - 120 lm	30° - 365 lm 15°x40° - 250 lm	30° - 110 lm 15°x40° - 75 lm	30° - 295 lm 15°x40° - 205 lm	30° - 940 lm 15°x40° - 650 lm
Luminaire efficiency	22 lm/W	55 lm/W	16 lm/W	43 lm/W	26 lm/W
Cutting unit	300mm (6 modules LED)				
Measures / Weight	30x21mm 2,4m reel (8 pixel) 1,4 Kg				



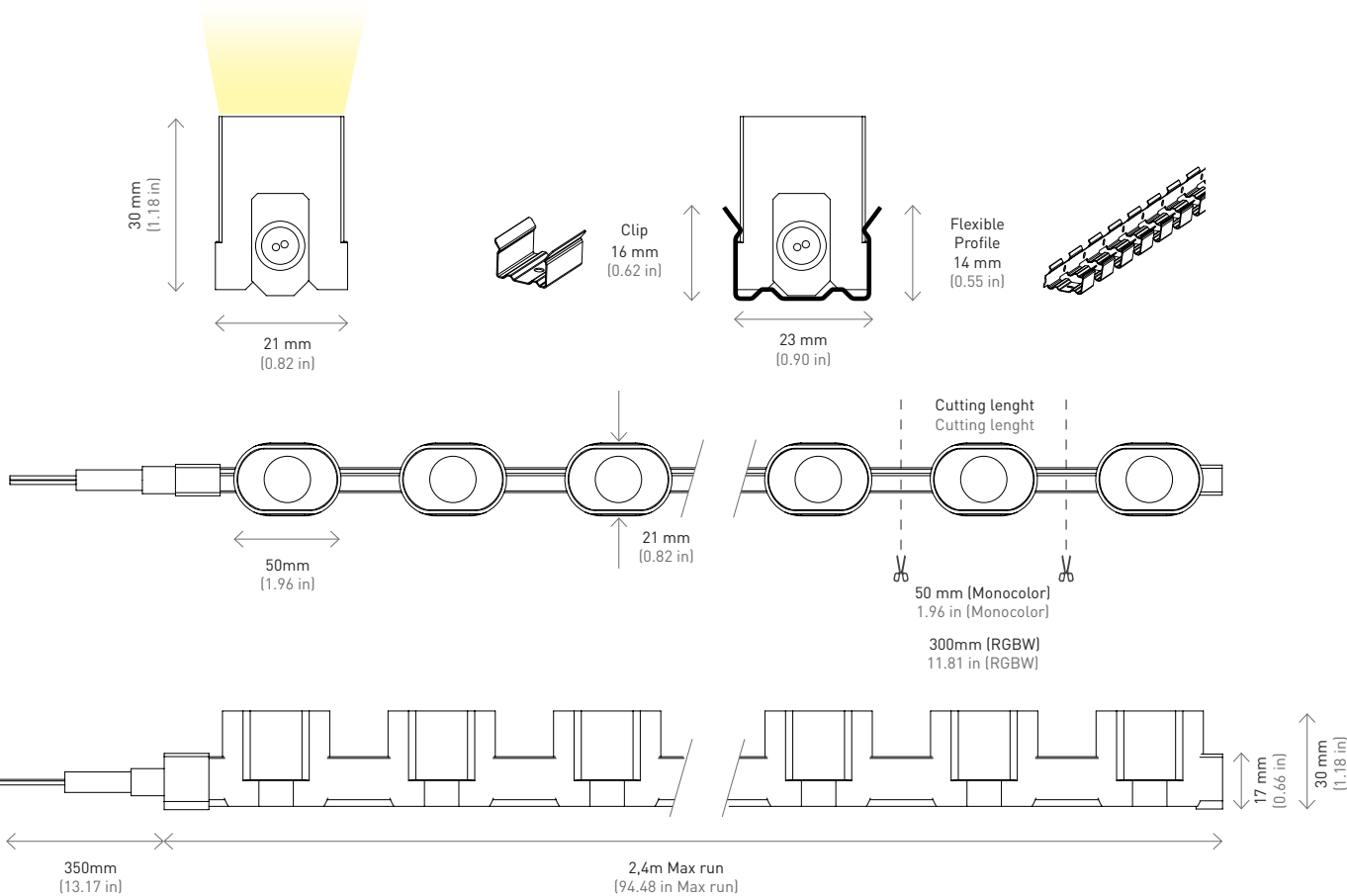
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

SMARTLED FLEX® MODULE LENS

CUTTABLE | SIDE FLEX

MEASURES MEDIDAS

SmartLedFlex® Module Lens Sideflex & Cuttable

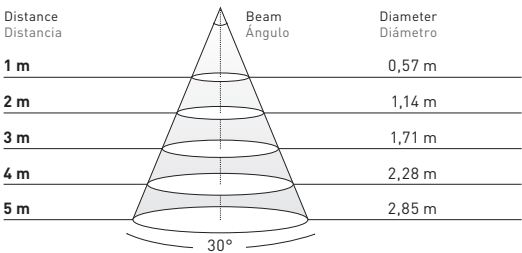


LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

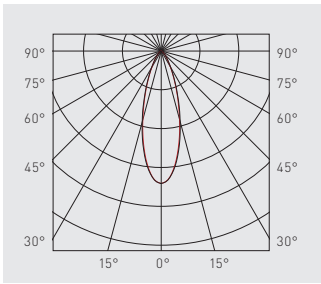
SLF® Module Lens

36W

4000K



3990 lux
997 lux
443 lux
249 lux
160 lux



Data calculated with SmartLedFlex® Module Lens (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 SmartLedFlex® 3D Module Lens (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.

DETAILS
DETALLES



Aluminium mounting clip accessory.
Accesorio clip montaje aluminio.



Flexible stainless steel profile accessory.
Accesorio perfil flexible inox.



Bending diameter 200 mm.
Diámetro de curvatura 200 mm.



Flexible linear body side bending.
Cuerpo lineal flexible lateralmente.



Side cable entry. Cable lenght 35 cm.
Entrada de cable lateral. Longitud del cable 35 cm.



RGBW (1pixel=6 LEDs).
RGBW (1pixel=6 LEDs).

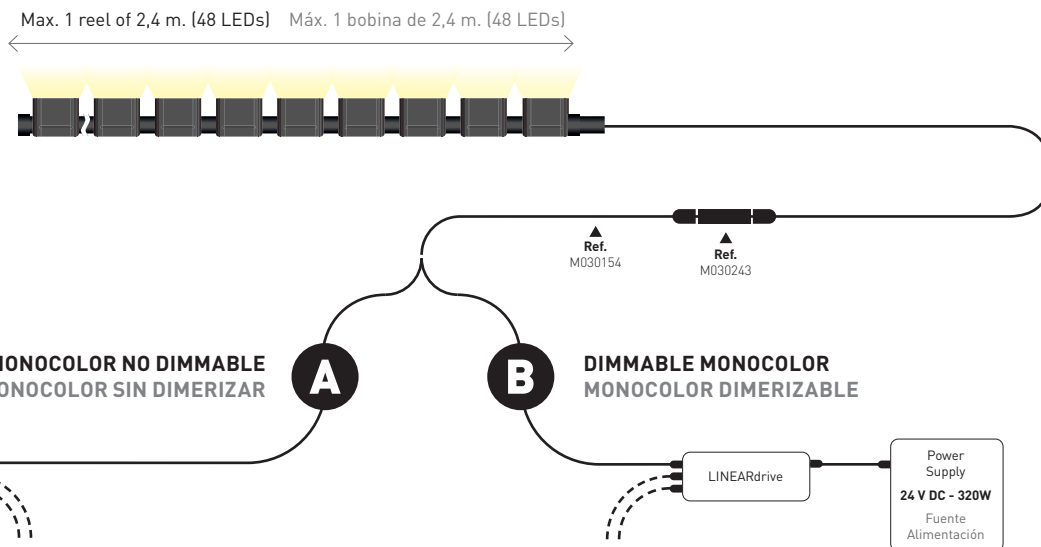


Front cable entry. Stainless steel ring.
Entrada de cable frontal. Aro metal inox.

SMARTLED FLEX® MODULE LENS

CUTTABLE | SIDE FLEX

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



A

MONOCOLOR NO DIMMABLE MONOCOLOR SIN DIMERIZAR

36 W/m



Maximum 3 reels of 2,4 m in parallel connection to PSU 24 V DC - 320W (max. 7,2 m).
Maximum 2,4 m from the power supply to the first SmartLedFlex® Module Lens.

Máximo 3 bobinas de 2,4 m. en paralelo conectadas a fuente de alimentación de 24 V DC - 320W (máx. 7,2 m).
Máximo 2,4 m. desde la fuente de alimentación al primer SmartLedFlex® Module Lens.

B

DIMMABLE WITH LINEARdrive 720 DIMERIZABLE CON LINEARdrive 720

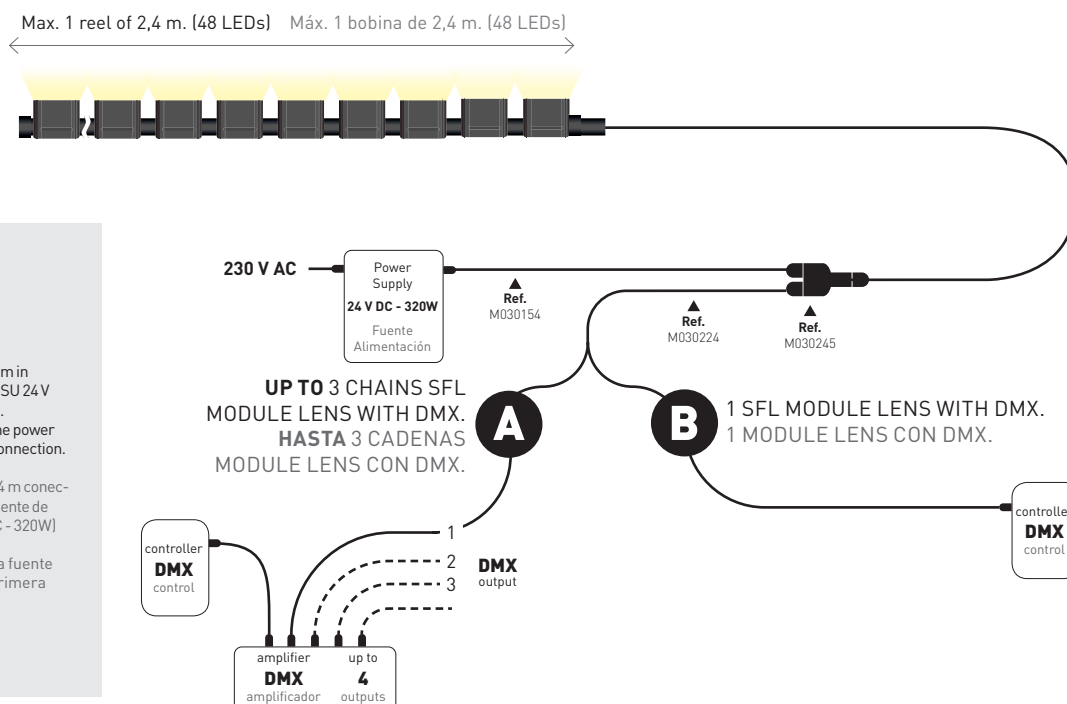
36 W/m



Maximum 3 reels of 2,4 m in parallel connection to LINEARdrive 720 (PSU 24 V DC - 320W) (max. 7,2 m).
Maximum 2,4 m from the power supply to the first reel connection.

Máximo 3 bobinas de 2,4 m conectadas en paralelo al LINEARdrive 720 (fuente de alimentación de 24V DC - 320W) (máx. 7,2 m).
Máximo 2,4 m desde la fuente de alimentación a la primera bobina.

RGBW DMX CONNECTIONS CONEXIONES RGBW DMX



A

RGBW
RGBW

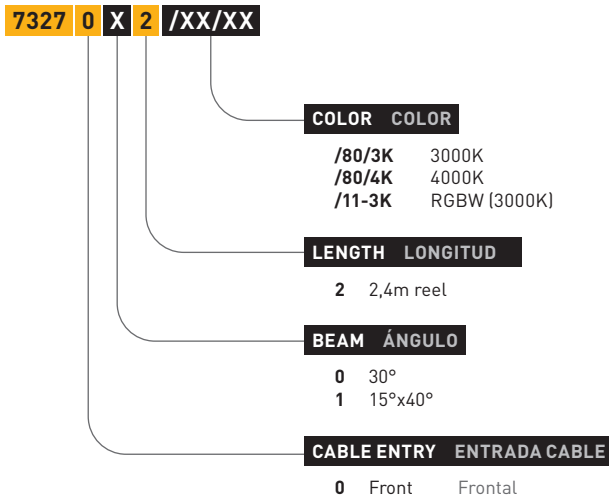
36 W/m



Maximum 3 reels of 2,4 m in parallel connection to PSU 24 V DC - 320W (max. 7,2 m).
Maximum 2,4 m from the power supply to the first reel connection.

Máximo 3 bobinas de 2,4 m conectadas en paralelo a la fuente de alimentación de 24 V DC - 320W (máx. 7,2 m).
Máximo 2,4 m desde la fuente de alimentación a la primera bobina.

REFERENCES REFERENCIAS



The standard version is delivered with front cable entry and 0,35 m wire.
La versión estándar se suministra con entrada de cable frontal y cable de 0,35 m.

	CUTTING SIZE UNIDAD DE CORTE	POWER (1m) POTENCIA(1m)	MAX. LENGHT LONGITUD MÁX.
	50 mm	36 W	2,4 m
	300 mm	36 W	2,4 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.*

OPTIONS OPCIONES

Also available on request in :
Monochrome: 2700K and 5000K
RGBW: White 4000K
También disponible bajo demanda en:
Monocolor: 2700K y 5000K
RGBW: Blanco 4000K

Also available on request in 20° and 40°.
También disponible bajo demanda en 20° y 40°.

Also available on request with entry cable side.
También disponible bajo demanda con cable de entrada lateral.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M134009	Aluminium clip	Clip aluminio	1
M131007	Flexible stainless steel profile (1,2m)	Perfil flexible inox (1,2m)	2
M200239	Silicone end cap (1u)	Tapa final silicona (1u)	3
M200240	Silicone front end cap (1u)	Tapa final frontal silicona (1u)	4
M200241	Silicone side end cap (1u)	Tapa final lateral silicona (1u)	5
M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles) (monocolor)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos) (monocolor)	6
M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	
M030154	3 x 1,5 mm² H07RN-F cable (m) (monocolor)	Cable 3 x 1,5 mm² H07RN-F (m) (monocolor)	
M030409/C13	5 x 0,75 mm² PUR cable (RGBW)	Cable PUR 5 x 0,75 mm² (RGBW)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
M030458	2 x 0,75 mm² Monocolor cable (0,35m)	Cable 2 x 0,75 mm² Monocolor (0,35m)	
M030460	2 x 0,75 mm² + 3 x 0,3 mm² RGBW cable (0,35m)	Cable 2 x 0,75 mm² + 3 x 0,3 mm² RGBW (0,35m)	

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

 Power supplies page 342
Fuentes de alimentación página 342





LEDFLOODSTRIP DOTFREE®

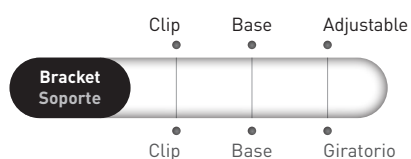


LED FLOOD STRIP® DOTFREE

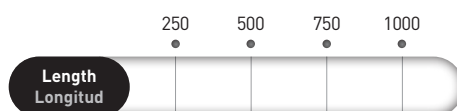
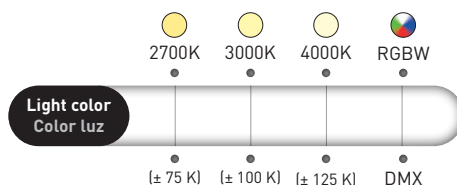
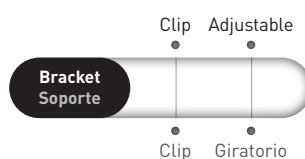
- Homogenous light without visible dots
- Adjustable and not adjustable types
- Powers up to 24 W/m
- Small dimensions
- Easy installation and dimmable
- Easy serial connection, up to 10 m
- Luz uniforme sin puntos visibles
- Modelos fijos y orientables
- Potencias hasta 24 W/m
- Reducidas dimensiones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



LedFloodStrip® I Dotfree



LedFloodStrip® II Dotfree



SPECIFICATIONS
CARACTERÍSTICAS
24V
DC

IP66

Anodized
AL
HousingPMMA
DiffuserL90 B10
>60.000h
Ta +25°CTa
min -20°C
-4°F
Ta
max +50°C
+122°F

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


 Kabuxia Restaurant,
 San Sebastián, Spain

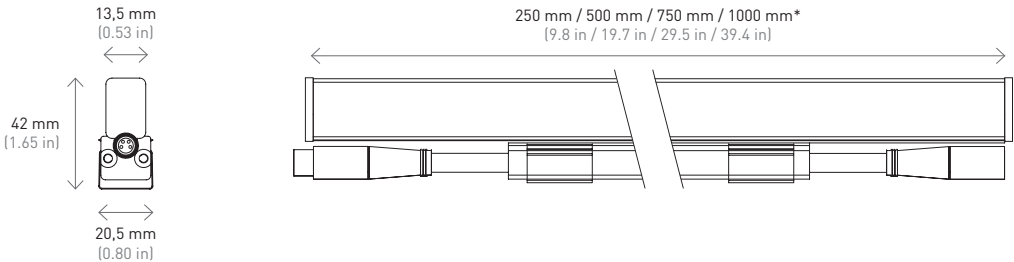
 Color temperature conform to **ANSI C78.377A**.
 Temperatura de color según normativa **ANSI C78.377A**.

LED FLOOD STRIP® DOTFREE

MEASURES MEDIDAS

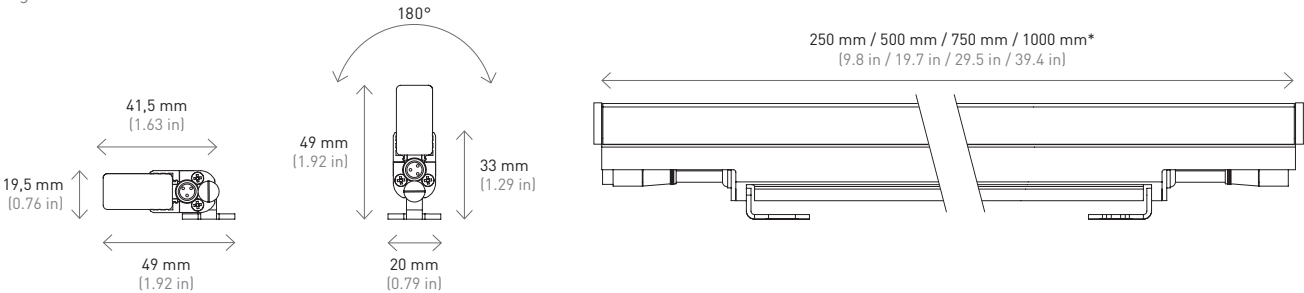
LedFloodStrip® I Dotfree (Not adjustable)

with clip
con clip



LedFloodStrip® II Dotfree (Adjustable)

with swivel base
con base giratoria

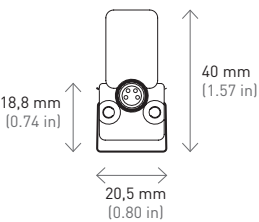


*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

BRACKETS SOPORTES

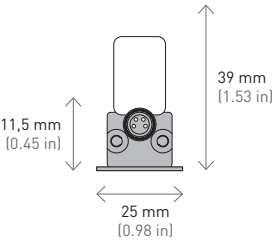
LedFloodStrip® I Dotfree

clip
clip



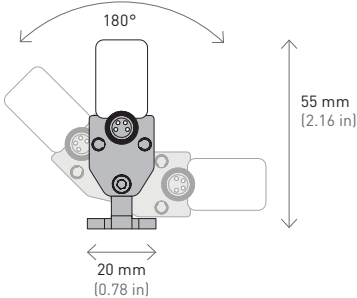
LedFloodStrip® I Dotfree

not adjustable base
base fija



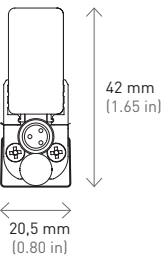
LedFloodStrip® I Dotfree

swivel base
base giratoria



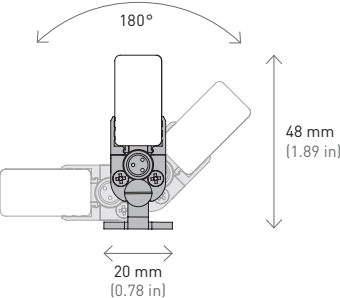
LedFloodStrip® II Dotfree

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.

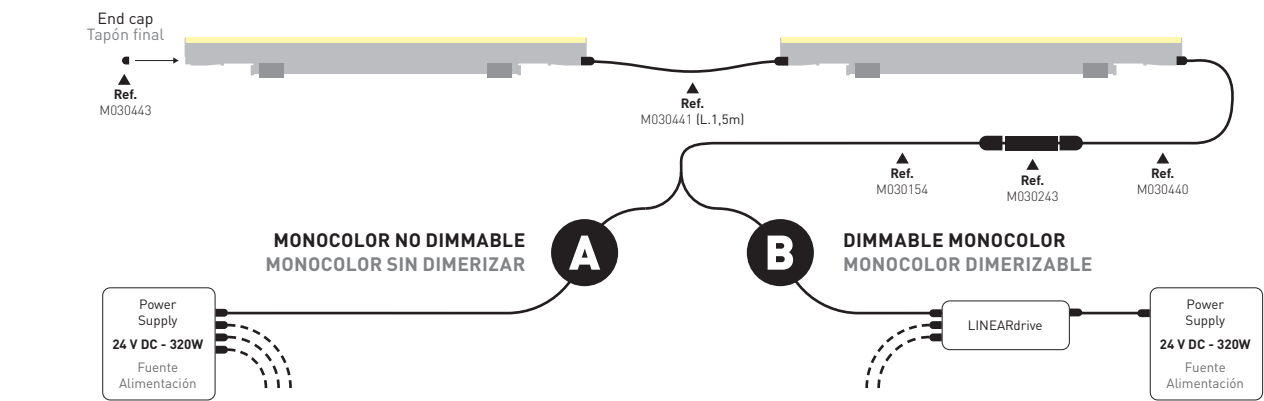


LedFloodStrip® II Dotfree with swivel base.
LedFloodStrip® II Dotfree con base giratoria.



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.

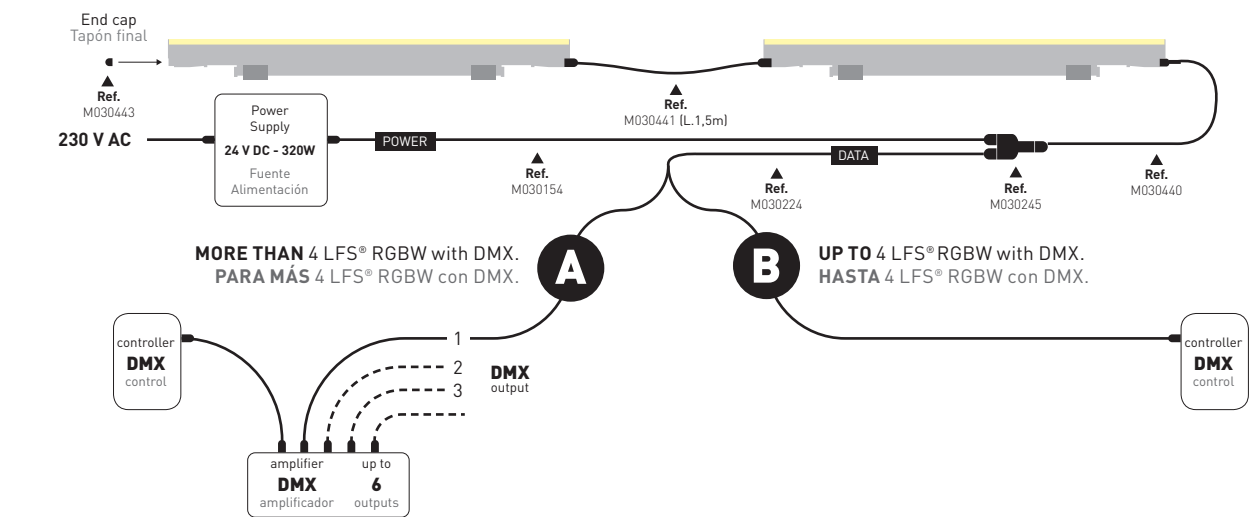
Ver tabla adjunta para número máximo de LFS® Dotfree 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W). Máximo 5 m. desde la fuente de alimentación al primer LFS® Dotfree 1000 mm.

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.*

RGBW FOR DMX CONNECTIONS
CONEXIONES DMX PARA RGBW



A

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

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

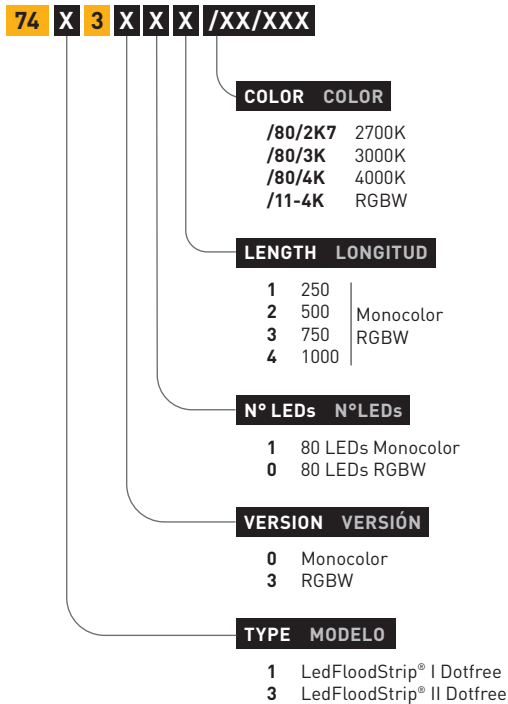
B

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

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

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

REFERENCES REFERENCIAS



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 338

Para controlar las luminarias vía Bluetooth consultar página 338



Power supplies page 342

Fuentes de alimentación página 342

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS



M030440	Power cable 70 cm	Cable alimentación 70 cm	1
M030441	Extension cable 1,50 m	Cable extensión 1,50 m	2
M030443	End cap	Tapón final	
	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 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
	For RGBW installation.	Para instalación RGBW.	
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 mm² PUR cable (RGB Slave)	Cable PUR 5 x 0,75 mm² (RGB Slave)	

A'Barra restaurant,
Madrid , Spain





LEDFLOODSTRIP® PLUS

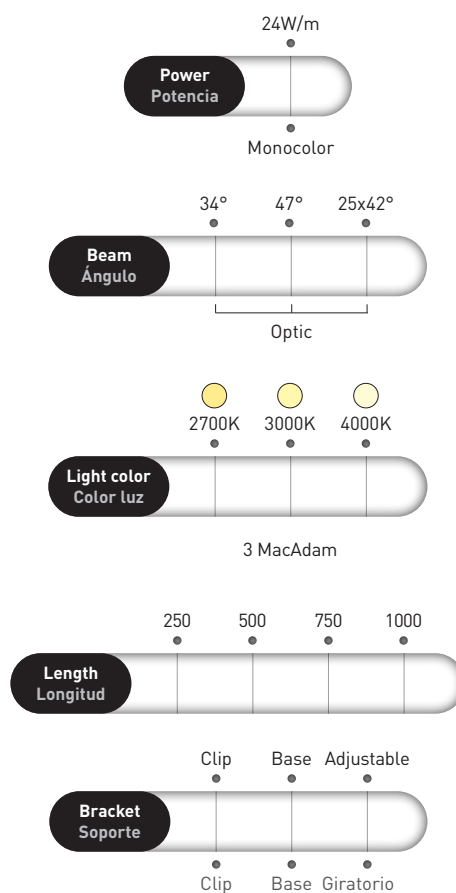
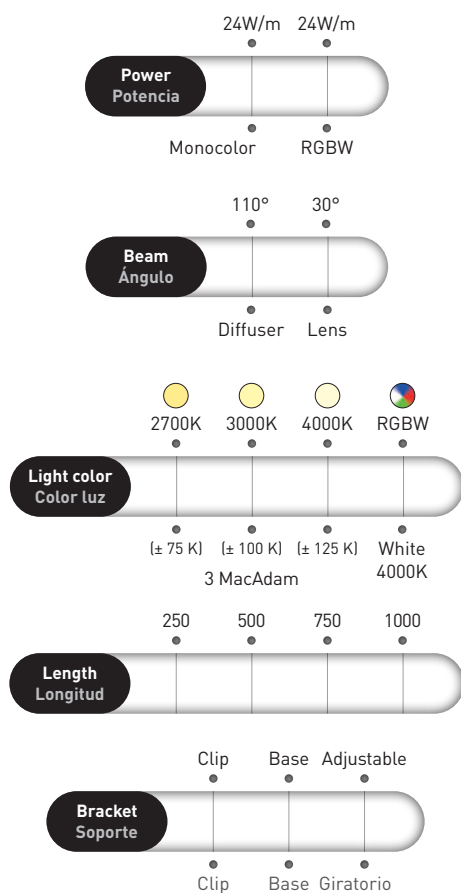
Gen2



LED FLOOD STRIP® PLUS Gen 2

24V

- Uniform light for wall washing applications
- Lumens output up to 2.200 lm
- 24V DC Slim wall washer fixture (19x35mm)
- 5 beam angles: 30°, 34°, 47°, 25x42° and 110°
- 4 Light colors: 2700K, 3000K, 4000K and RGBW
- Not adjustable and adjustable versions
- Anodized aluminium body and PMMA diffuser
- Luz lineal uniforme para bañar paredes
- Lumens output hasta 2.200 lm
- Bañador de pared muy pequeño (19x35mm) a 24V DC
- 5 ángulos de apertura: 30°, 34°, 47°, 25x42° y 110°
- 4 temperaturas de color: 2700K, 3000K, 4000K 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

	24V DC	IP66	CRI 80		DMX RDM	Anodized AL Housing	PMMA Clear	L90 B10 >60.000h Ta +25°C	L80 B10 >70.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	
					RGBW			Monocolor	RGBW		

LedFloodStrip® PLUS - Monocolor - 110° | 24V

	1000			750			500			250		
Power	24W (72 LEDs)			18W (54 LEDs)			12W (36 LEDs)			6W (18 LEDs)		
Color temperature	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens output	1960 lm	2090 lm	2200 lm	1470 lm	1567 lm	1650 lm	980 lm	1045 lm	1100 lm	490 lm	522 lm	550 lm
Luminaire efficiency	82 lm/W	87 lm/W	92 lm/W	82 lm/W	87 lm/W	92 lm/W	82 lm/W	87 lm/W	92 lm/W	82 lm/W	87 lm/W	92 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 - 30° | 24V

	1000			750			500			250		
Power	24W (72 LEDs)			18W (54 LEDs)			12W (36 LEDs)			6W (18 LEDs)		
Color temperature	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens output	1414 lm	1510 lm	1590 lm	1060 lm	1132 lm	1192 lm	707 lm	755 lm	795 lm	353 lm	377 lm	397 lm
Luminaire efficiency	59 lm/W	63 lm/W	66 lm/W	59 lm/W	63 lm/W	66 lm/W	59 lm/W	63 lm/W	66 lm/W	59 lm/W	63 lm/W	66 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 - RGBW - 110° - 24V

	1000					750					500					250				
Power	24W (48 LEDs)					18W (36 LEDs)					12W (24 LEDs)					6W (12 LEDs)				
Color temperature	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W
Lumens output	170 lm	560 lm	106 lm	598 lm	1.207 lm	127 lm	420 lm	79 lm	448 lm	905 lm	85 lm	280 lm	53 lm	299 lm	603 lm	42 lm	140 lm	26 lm	150 lm	301 lm
Luminaire efficiency	50 lm/W					50 lm/W					50 lm/W					50 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 - RGBW - 30° - 24V

	1000					750					500					250				
Power	24W (48 LEDs)					18W (36 LEDs)					12W (24 LEDs)					6W (12 LEDs)				
Color temperature	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W	R	G	B	4K	R+G+B+W
Lumens output	118 lm	390 lm	74 lm	417 lm	841 lm	89 lm	292 lm	55 lm	313 lm	631 lm	59 lm	195 lm	37 lm	208 lm	421 lm	30 lm	98 lm	18 lm	104 lm	210 lm
Luminaire efficiency	35 lm/W					35 lm/W					35 lm/W					35 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				

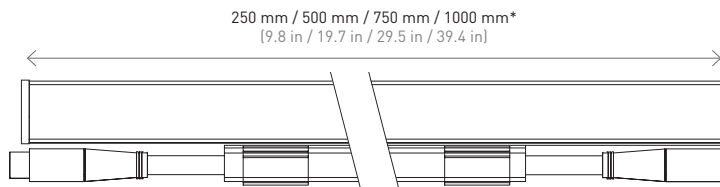
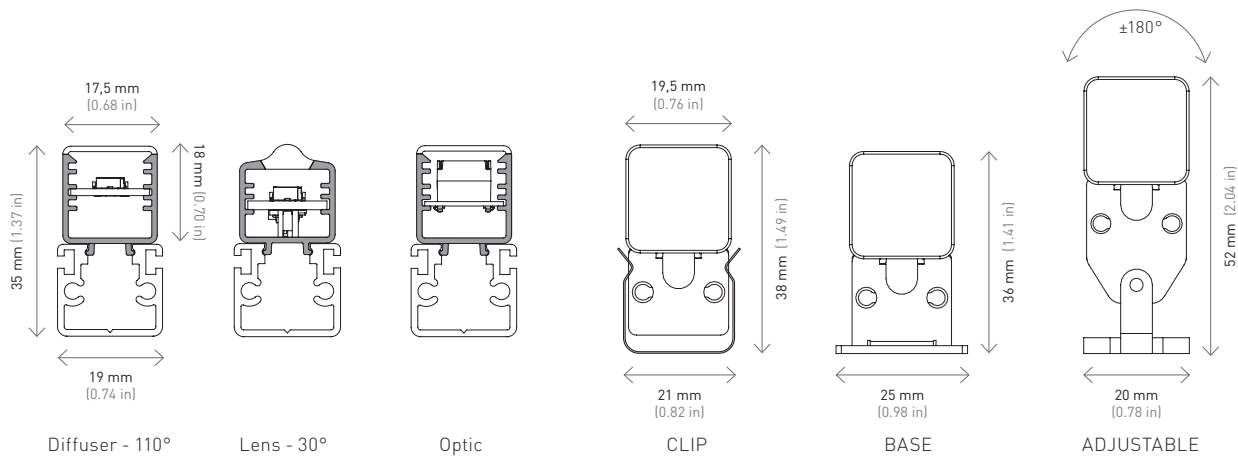
LedFloodStrip® PLUS - Optic - 24V

	1000			750			500			250		
Power	24W (24 LEDs)			18W (18 LEDs)			12W (12 LEDs)			6W (6 LEDs)		
Color temperature	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K	2700K	3000K	4000K
Lumens output 34°	1666 lm	1776 lm	1869 lm	1249 lm	1332 lm	1401 lm	833 lm	888 lm	934 lm	416 lm	444 lm	467 lm
Lumens output 47°	1724 lm	1838 lm	1934 lm	1293 lm	1378 lm	1450 lm	862 lm	919 lm	967 lm	431 lm	459 lm	483 lm
Lumens output 25x42°	1476 lm	1574 lm	1656 lm	1107 lm	1180 lm	1242 lm	738 lm	787 lm	828 lm	369 lm	393 lm	414 lm
Luminaire efficiency	71 lm/W	77 lm/W	81 lm/W	71 lm/W	77 lm/W	81 lm/W	71 lm/W	77 lm/W	81 lm/W	71 lm/W	77 lm/W	81 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		

LED FLOOD STRIP® PLUS

Gen 2

MEASURES MEDIDAS

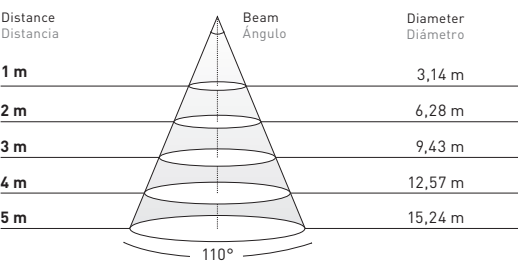


*Measures without end caps. The end cap thickness is 5 mm each one.
*Medidas sin tapas finales. El grosor de cada tapa es de 5 mm.

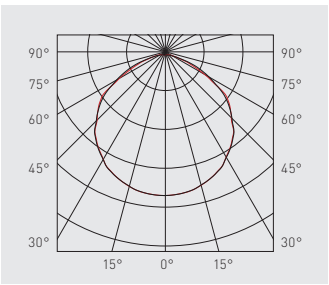
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

LedFloodStrip® Plus

1 m 110°



2700K	3000K	R+G+B+W
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	
131 lux	156 lux	112 lux
33 lux	39 lux	28 lux
15 lux	17 lux	12 lux
8 lux	10 lux	7 lux
5 lux	6 lux	4 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.



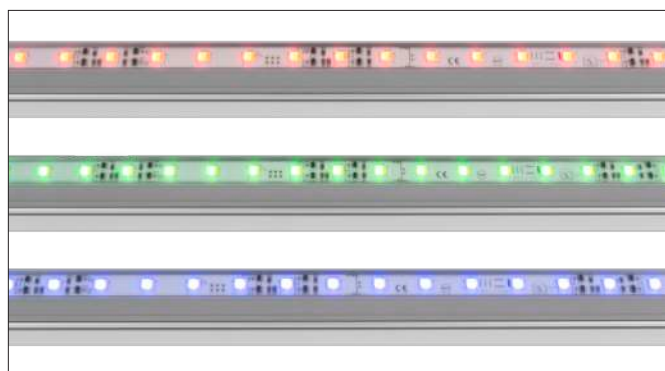
Not adjustable base.
Base no ajustable.



Swivel base.
Base giratoria.

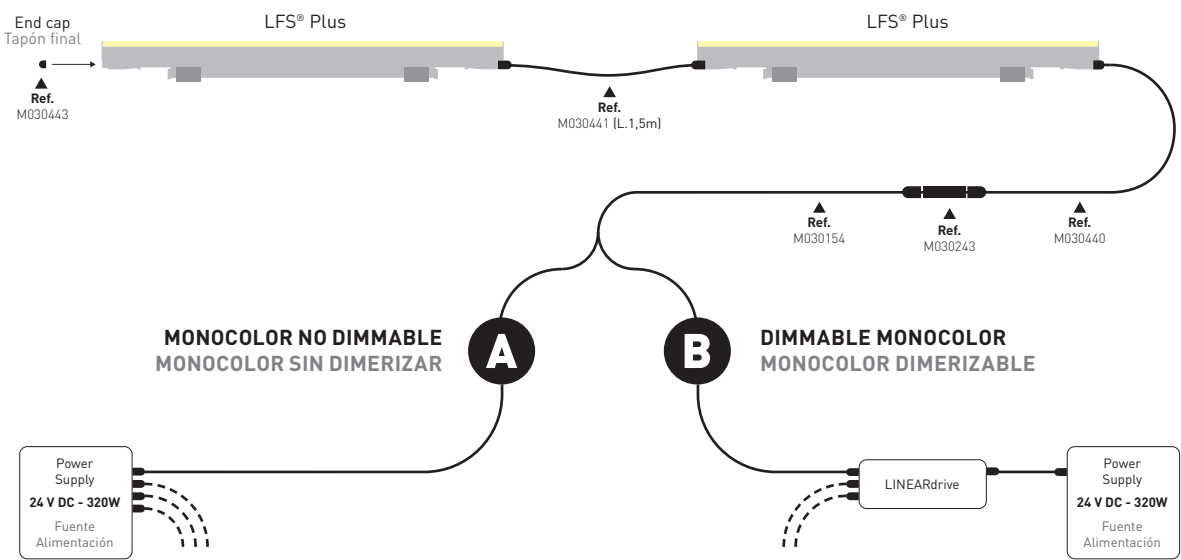


RGBW LED multichip.
LED RGBW multichip.



LedFloodStrip® Plus RGBW.
LedFloodStrip® Plus RGBW.

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.

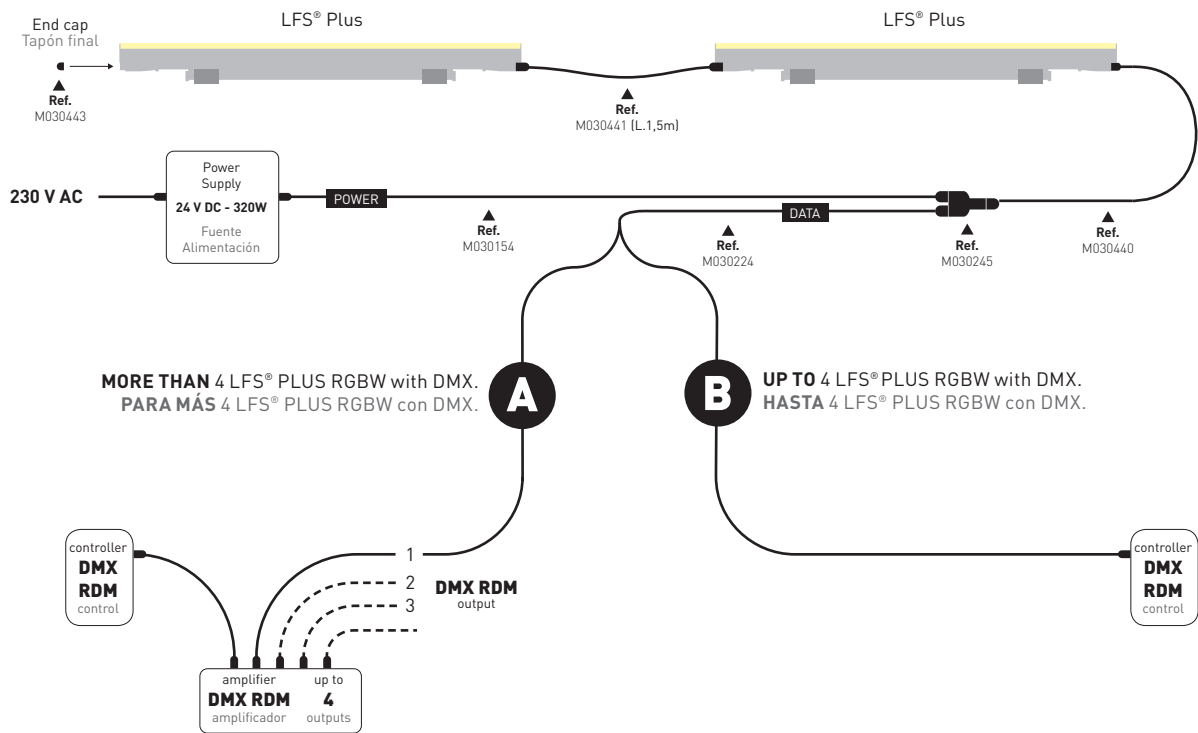
Ver tabla adjunta para número máximo de LFS® Plus 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 [fuente de alimentación de 24 V DC - 320W].
Máximo 5 m. desde la fuente de alimentación al primer LFS® Plus 1000 mm.

LED FLOODSTRIP® PLUS 1000 mm CONNECTION TABLE.
TABLA DE CONEXIONES DE LED FLOODSTRIP® PLUS 1000 mm.

	24W
Power	320 W
Luminaires per chain*	4
Max. chain quantity	3

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

RGBW FOR DMX CONNECTIONS
CONEXIONES DMX PARA RGBW



A

MORE THAN 4 LFS® PLUS RGBW 1000mm with DMX RDM.
PARA MÁS DE 4 LFS® PLUS RGBW 1000mm con DMX RDM.

Maximum 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 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 4 LFS® PLUS RGBW 1000mm with DMX RDM.
HASTA 4 LFS® PLUS RGBW 1000mm con DMX RDM.

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

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

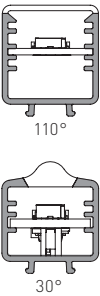
	24W
Power	320 W
Luminaires per chain*	4
Max. chain quantity	3

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

LED FLOOD STRIP® PLUS

Gen 2

REFERENCES REFERENCIAS



LedFloodStrip® Plus 24V Gen 2
Diffuser 110° | Lens 30°

74510 X X X /XX/XXX

COLOR COLOR

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

LENGTH LONGITUD

1 250
2 500
3 750
4 1000

VERSION VERSIÓN

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

CONTROL CONTROL

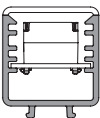
0 On-Off
5 DMX

OPTIONS OPCIONES

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



LedFloodStrip® Plus 24V Gen 2
Optic

74515 0 X X /XX/XXX

COLOR COLOR

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

LENGTH LONGITUD

1 250
2 500
3 750
4 1000

BEAM ÁNGULO

1 34°
2 47°
3 25x42°

CONTROL CONTROL

0 On-Off

OPTIONS OPCIONES

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



	To do extensions cables	Para hacer extensiones de cables	
M030440	Power cable 70 cm	Cable alimentación 70 cm	1
M030441	Extension cable 1,50 m	Cable extensión 1,50 m	2
M030443	End cap	Tapón final	
	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 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
	For RGBW installation	Para instalación RGBW	
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



To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338



Power supplies page 342
Fuentes de alimentación página 342



Disfrutar Restaurant,
Barcelona, Spain

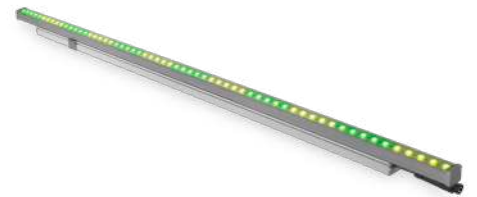
DAMAC Heights,
Dubai, UAE





LEDFLOODSTRIP® PLUS PIXEL

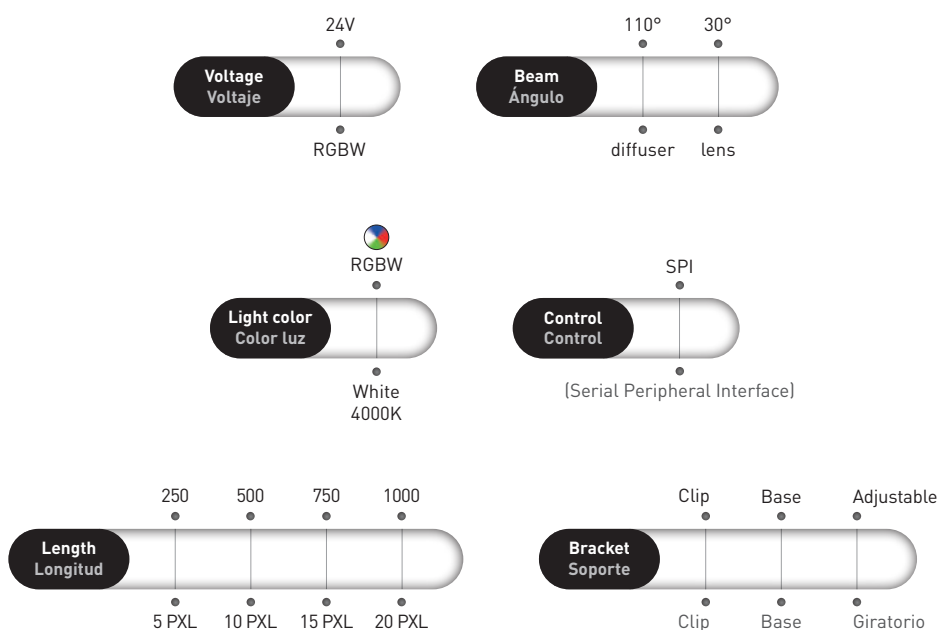
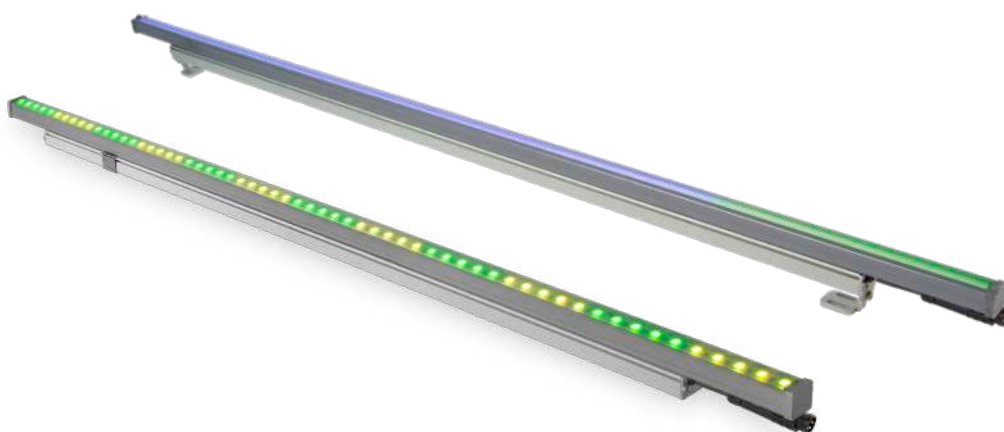
Gen2



LEDFLOODSTRIP® PLUS PIXEL Gen 2

24V RGBW

- Lineal fixture controllable pixel by pixel for media applications (1PX=5LEDs)
- 2 beam angles: 30° and 110°
- Not adjustable and adjustable versions
- Anodized aluminium body and PMMA diffuser
- Luminaria lineal controlable píxel a píxel para aplicaciones interactivas (1PX=5LEDs)
- 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

	24V DC	IP66	CRI 80	SPI protocol	20 PX/m		Anodized AL Housing	PMMA Clear	L80 B10 >70.000h Ta=25°C	Ta min -20°C -4°F Ta max +50°C +122°F	
--	-----------	------	--------	-----------------	------------	--	---------------------------	---------------	--------------------------------	--	--

RGBW

LedFloodStrip® PLUS PIXEL - RGBW - 30° - 24V

	1000					750				
	24 W (20 PXL)					18 W (15 PXL)				
Power										
Color temperature	R	G	B	4000K	R+G+B+W	R	G	B	4000K	R+G+B+W
Lumens output	89 lm	203 lm	44 lm	121 lm	389 lm	67 lm	152 lm	33 lm	91 lm	292 lm
Luminaire efficiency	16 lm/W					16 lm/W				
Measures / Weight	1010 x 35 x 19 mm / 660 gr					760x 35 x 19 mm / 540 gr				

	500					250				
	12 W (10 PXL)					6 W (5 PXL)				
Power										
Color temperature	R	G	B	4000K	R+G+B+W	R	G	B	4000K	R+G+B+W
Lumens output	45 lm	102 lm	22 lm	61 lm	195 lm	22 lm	51 lm	11 lm	30 lm	97 lm
Luminaire efficiency	16 lm/W					16 lm/W				
Measures / Weight	510 x 35 x 19 mm / 405 gr					260x 35 x 19 mm / 280 gr				

LedFloodStrip® PLUS PIXEL - RGBW - 110° - 24V

	1000					750				
	24 W (20 PXL)					18 W (15 PXL)				
Power										
Color temperature	R	G	B	4000K	R+G+B+W	R	G	B	4000K	R+G+B+W
Lumens output	128 lm	291 lm	63 lm	174 lm	558 lm	96 lm	218 lm	47 lm	131 lm	419 lm
Luminaire efficiency	23 lm/W					23 lm/W				
Measures / Weight	1010 x 35 x 19 mm / 660 gr					760x 35 x 19 mm / 540 gr				

	500					250				
	12 W (10 PXL)					6 W (5 PXL)				
Power										
Color temperature	R	G	B	4000K	R+G+B+W	R	G	B	4000K	R+G+B+W
Lumens output	65 lm	146 lm	32 lm	88 lm	280 lm	32 lm	73 lm	16 lm	43 lm	139 lm
Luminaire efficiency	23 lm/W					23 lm/W				
Measures / Weight	510 x 35 x 19 mm / 405 gr					260x 35 x 19 mm / 280 gr				



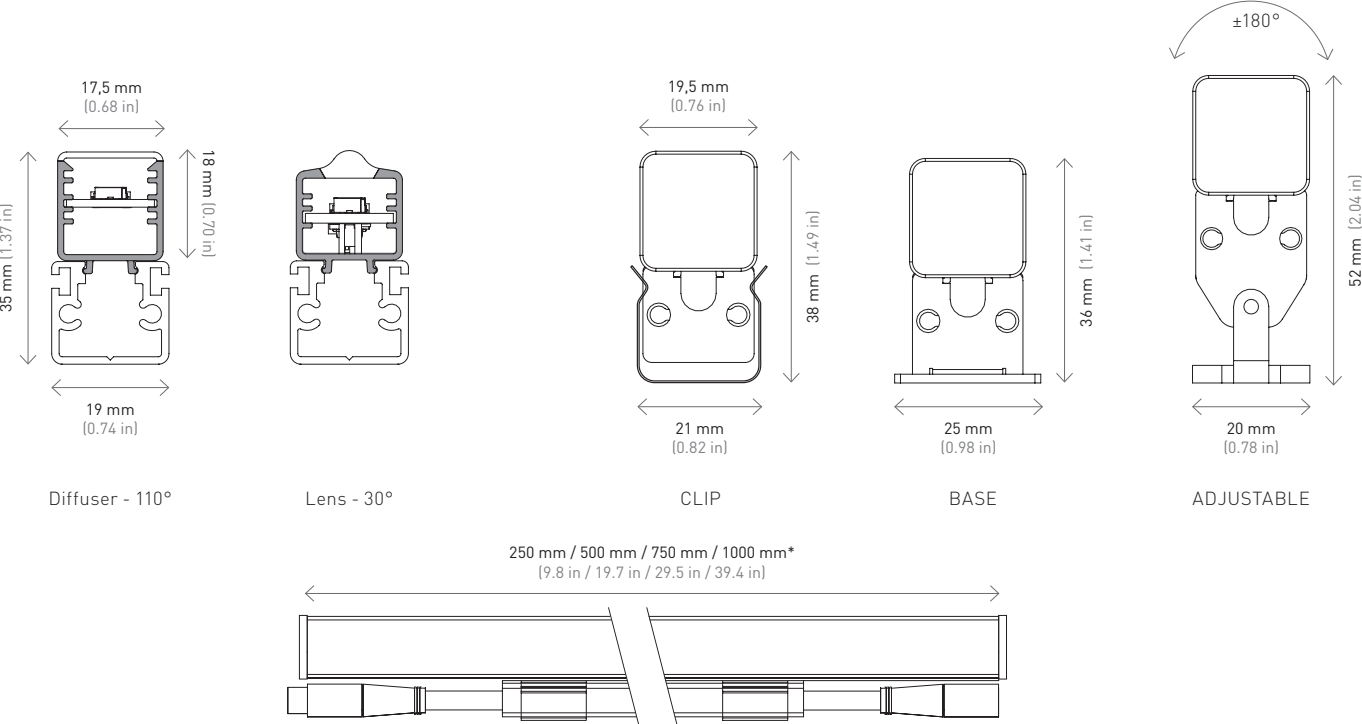
Controllable pixel by pixel (1PX=5LEDs).
Controlable píxel a píxel (1PX=5LEDs).

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

LED FLOOD STRIP® PLUS PIXEL

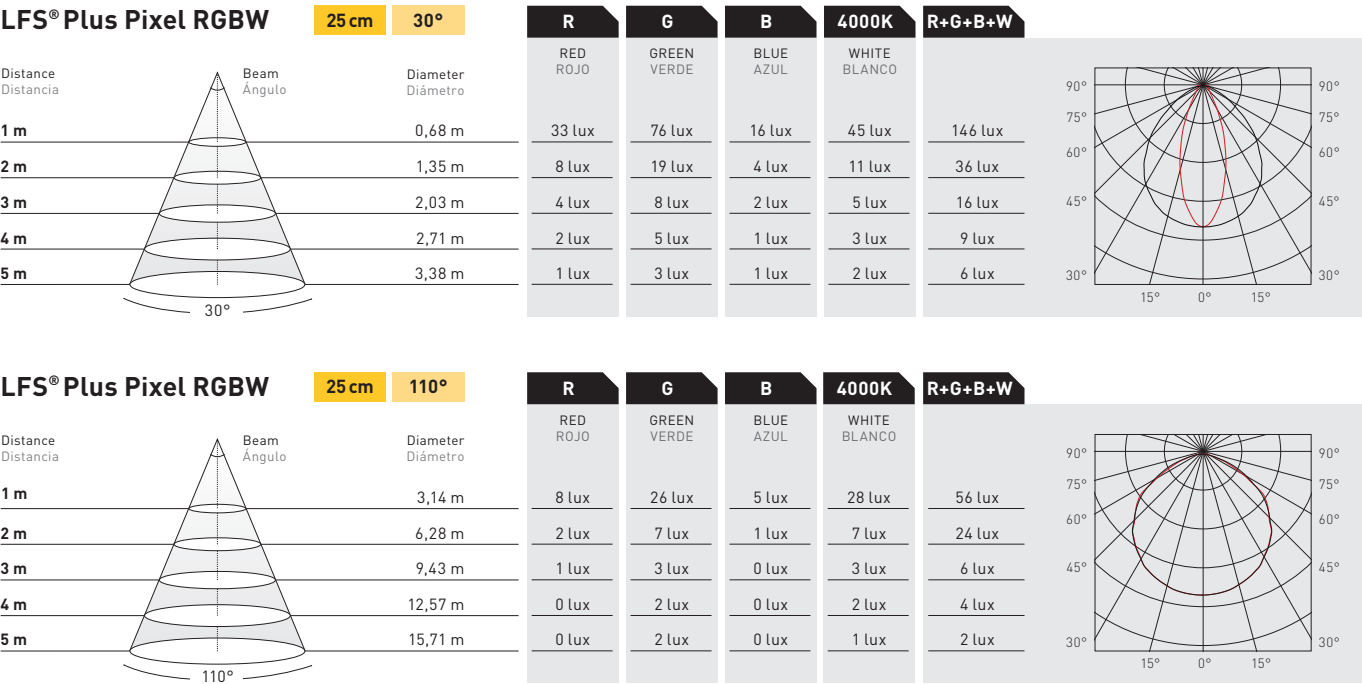
Gen 2

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



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.

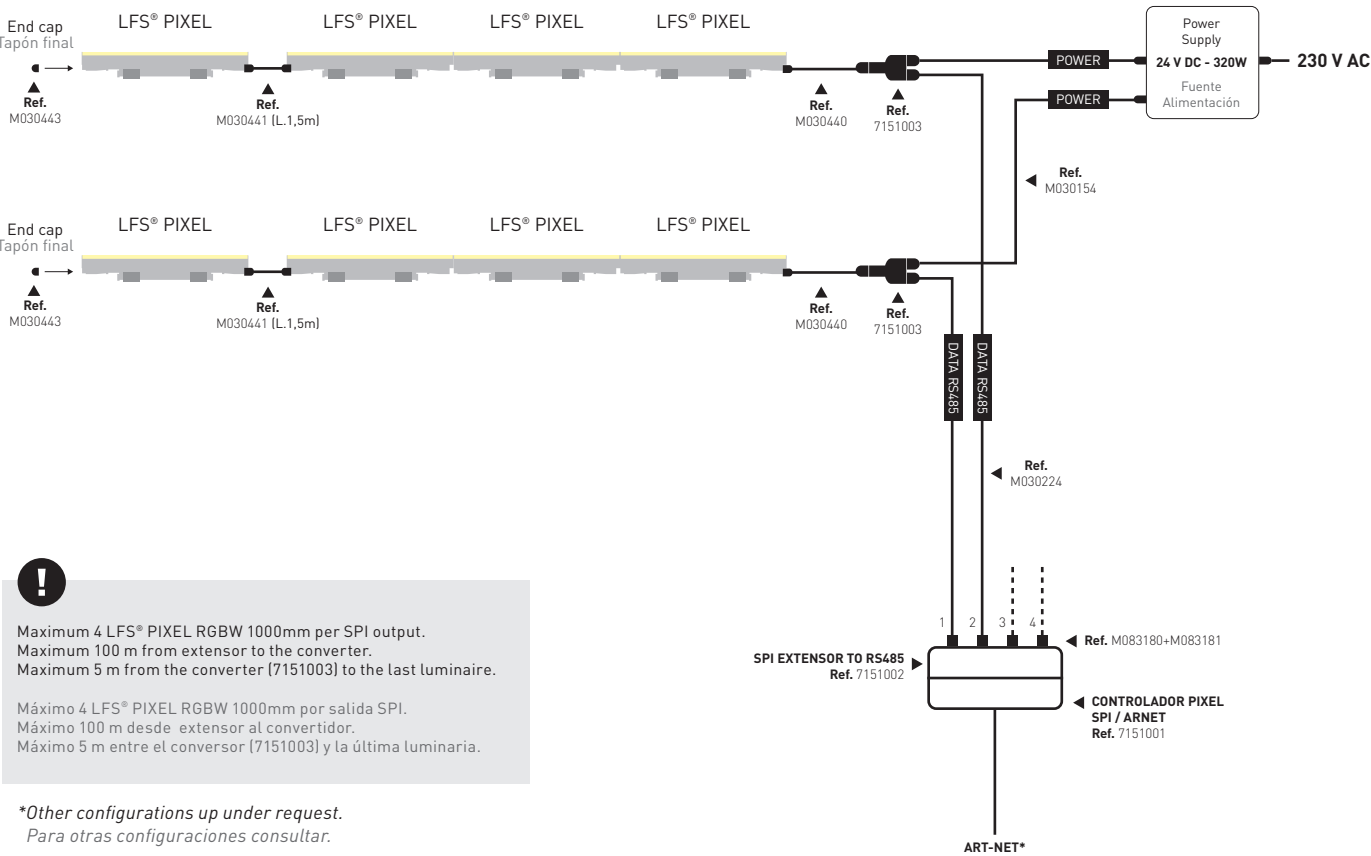


Swivel base.
Base giratoria.

LEDFLOODSTRIP® PLUS PIXEL

Gen 2

RGBW SPI CONNECTIONS CONEXIONES SPI PARA RGBW

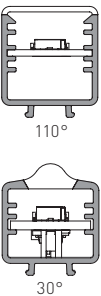


CONTROLLERS REFERENCES REFERENCIAS CONTROLADORES



7151001	Pixel SPI 8 universes extensible controller	Controlador Píxel 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	Capuchón para RJ45 nivel 5 gris	5

REFERENCES
REFERENCIAS



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

74510 X X X /XX/XXX

COLOR COLOR

/11-4K RGBW (4000K)

LENGTH LONGITUD

1 250
2 500
3 750
4 1000

VERSION VERSIÓN

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

CONTROL CONTROL

4 SPI-PX

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



M030440	Power cable 70 cm	Cable alimentación 70 cm	1
M030441	Extension cable 1,50 m	Cable extensión 1,50 m	2
M030443	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 338
Para controlar las luminarias vía Bluetooth consultar página 338



Power supplies page 342
Fuentes de alimentación página 342





MICRO LINE GRAZER



MICRO LINE GRAZER

24V

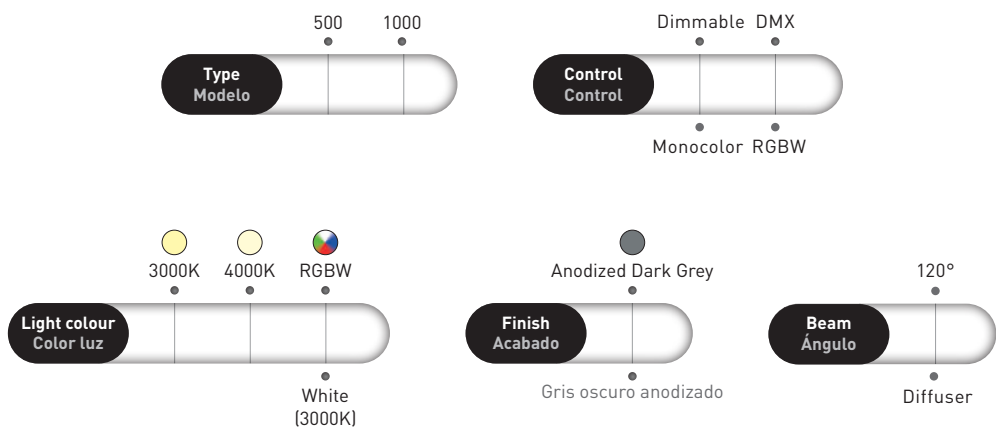
- Uniform light for wall washing applications
 - Lumens output up to 1.000 lumens
 - Micro wall washer fixture (26x26mm)
 - 24V monocolor and RGBW DMX types (1 pixel)
 - Dimmable monocolor types and RGBW controllabile by DMX512
 - Easy serial connection, up to 14m.
 - Dark grey anodized aluminum body and tempered glass
- Luz lineal uniforme para bañar paredes
 - Lumens output hasta 1.000 lumens
 - Bañador de pared muy pequeño (26x26mm)
 - Modelos 24V monocolor y RGBW DMX (1 pixel)
 - Modelos monocolor dimerizables y RGBW controlable con DMX512
 - Fácil conexión en serie, hasta 14m.
 - Cuerpo de aluminio anodizado en color gris oscuro y cristal templado



MONOCOLOR



RGBW (1px)



SPECIFICATIONS CARACTERÍSTICAS



24V
DC

IP66

IK08

CRI>80



Dimmable
Monocolor

DMX

AL
Housing

Security
GLASS
Cover

L80 B10
>60.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +50°C
max +122°F

CB
Test

CE

Micro Line Grazer Monocolor 500

Power	6 W	
Color temperatures	3000K	4000K
Lumens output	490 lm	515 lm
Luminaire efficiency	82 lm/W	86 lm/W
Measures	500 x 26 x 64 mm	
Weight	0,5 kg	

Micro Line Grazer RGBW 500 (1 px)

Power	6 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output	32 lm	82 lm	20 lm	118 lm	252 lm
Luminaire efficiency	42 lm/W				
Measures	500 x 26 x 64 mm				
Weight	0,5 kg				

Micro Line Grazer Monocolor 1000

Power	12 W	
Color temperatures	3000K	4000K
Lumens output	980 lm	1030 lm
Luminaire efficiency	82 lm/W	86 lm/W
Measures	1000 x 26 x 64 mm	
Weight	1 kg	

Micro Line Grazer RGBW 1000 (1 px)

Power	12 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output	65 lm	165 lm	40 lm	235 lm	505 lm
Luminaire efficiency	42 lm/W				
Measures	1000 x 26 x 64 mm				
Weight	1 kg				



Client: Costa Biler, S.L.
Architecture: Rafael Moneo



Edificio La Mundial,
Málaga, Spain

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

MICRO LINE GRAZER

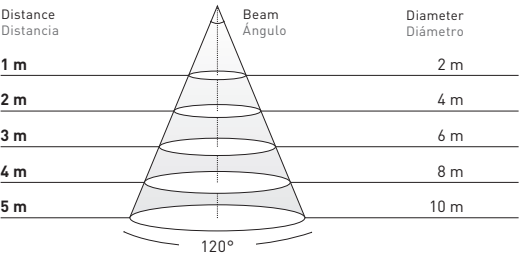
24V

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Micro Line Grazer 1m

12W

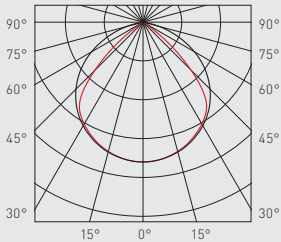
120°



4000K

NEUTRAL WHITE
BLANCO NEUTRO

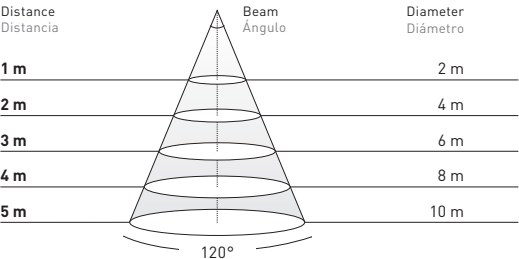
142 lux
35 lux
16 lux
9 lux
6 lux



Micro Line Grazer 1m

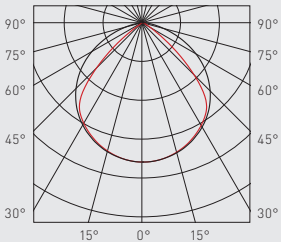
12W

120°



R+G+B+W

60 lux
15 lux
7 lux
4 lux
2 lux



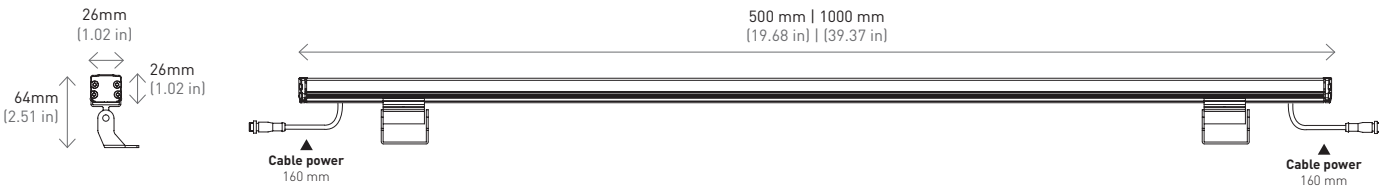
Data calculated with **Micro Line Grazer**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Micro Line Grazer**.
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.

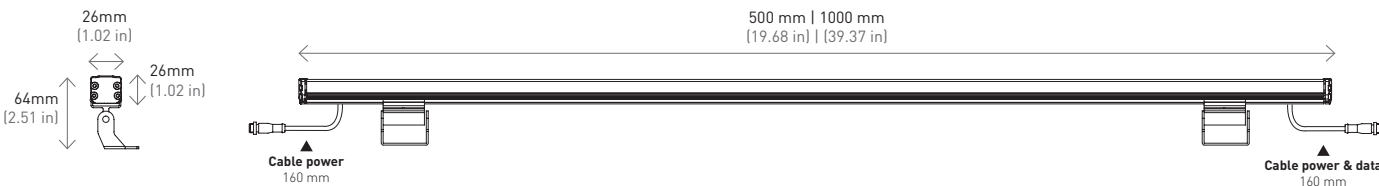


MEASURES MEDIDAS

Micro Line Grazer Monocolor



Micro Line Grazer RGBW



DETAILS DETALLES



Anodized Dark Grey (RAL 7037).
Gris oscuro anodizado (RAL 7037).



Power cable and end cap included.
Cable de alimentación y tapón final incluido.



Swivel base (180°)
Base giratoria (180°)

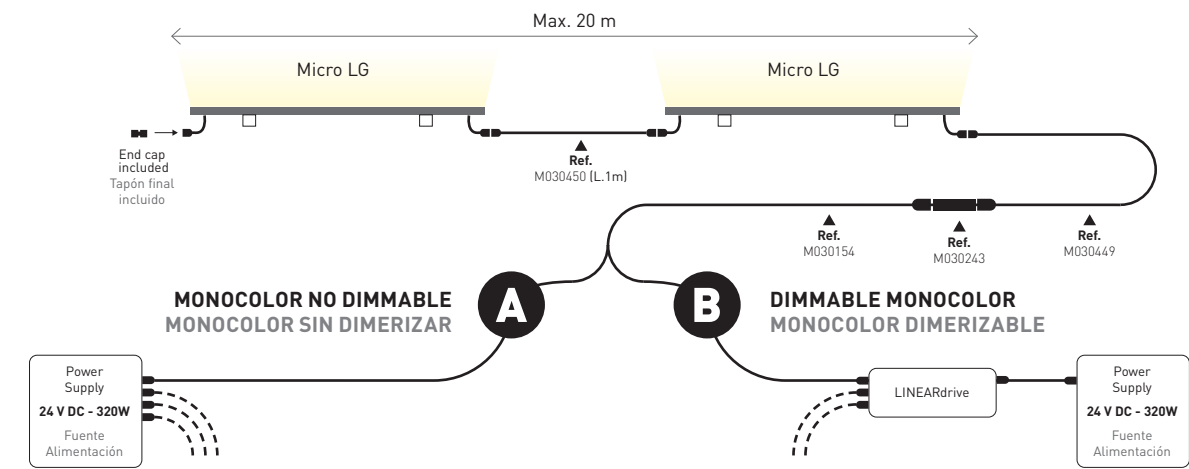


RGBW model
Modelo RGBW

MICRO LINE GRAZER

24V

MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR



A

**MONOCOLOR NO DIMMABLE
MONOCOLOR SIN DIMERIZAR**

Below you see the maximum Micro LG 1000 mm which can be connected in chain and maximum chains' number connected to the PSU 24 V DC - 320W.
Maximum 20 m from the power supply to the first Micro LG 1000 mm.

Ver tabla adjunta para número máximo de Micro LG 1000 mm conectados en cadena y máximo de cadenas conectadas a fuente de alimentación de 24 V DC - 320W.

B

**DIMMABLE with LINEARdrive 720
DIMERIZABLE con LINEARdrive 720**

Below you see the maximum Micro LG 1000 mm which can be connected in chain and maximum chains' number connected to the LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 20 m from the power supply to the first Micro LG 1000 mm.

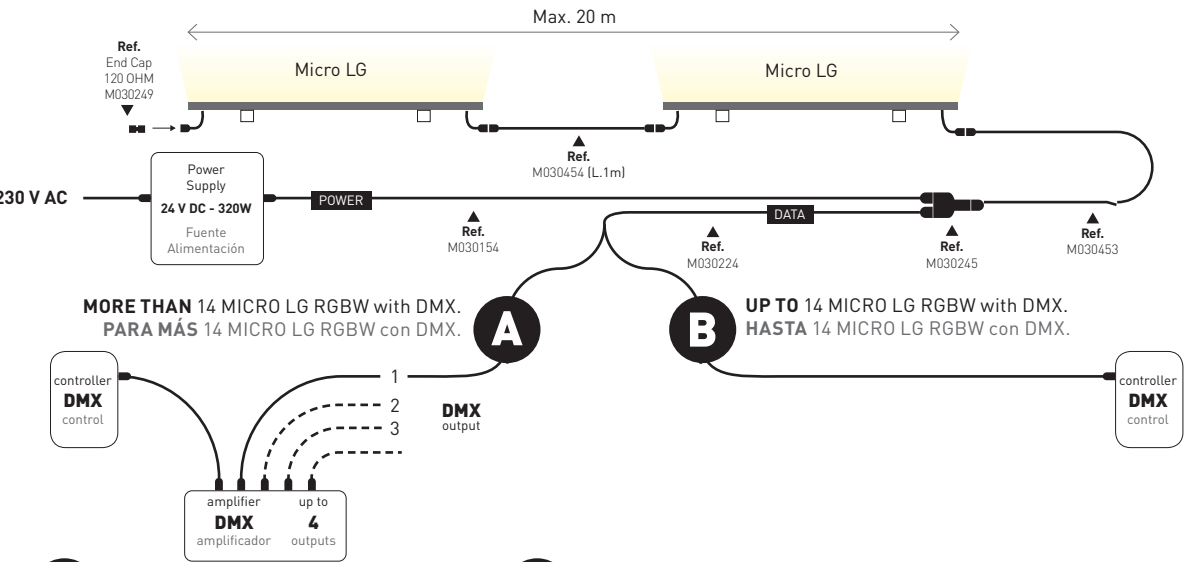
Ver tabla adjunta para número máximo de Micro LG 1000 mm conectados en cadena y máximo de cadenas conectadas a LINEARdrive 720 (fuente de alimentación de 24 V DC - 320W).

**MICRO LINE GRAZER 1000 mm
CONNECTION TABLE.
TABLA DE CONEXIONES DE
MICRO LINE GRAZER 1000 mm.**

	12W
Power	320 W
Luminaires per chain*	14
Max. chain quantity	1

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

CONNECTIONS RGBW CONEXIONES RGBW



A

**MORE THAN 14 MICRO LINE GRAZER RGBW
1000mm with DMX.
PARA MÁS DE 14 MICRO LINE GRAZER
RGBW 1000mm con DMX.**

Maximum 14 Micro Line Grazer RGBW 1000mm per DMX output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last Micro Line Grazer 1000 mm.

Máximo 14 Micro Line Grazer RGBW por salida DMX.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último Micro Line Grazer 1000 mm.

B

**UP TO 14 MICRO LINE GRAZER RGBW
1000mm with DMX.
HASTA 14 MICRO LINE GRAZER RGBW
PLUS 1000mm con DMX.**

Maximum 14 Micro Line Grazer RGBW 1000mm per DMX controller with PSU 24 V DC 320W.
Maximum 100 m from controller to last Micro Line Grazer 1000 mm.

Máximo 14 Micro Line Grazer 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.

**MICRO LINE GRAZER 1000 mm
CONNECTION TABLE.
TABLA DE CONEXIONES DE
MICRO LINE GRAZER 1000 mm.**

	12W
Power	320 W
Luminaires per chain*	14
Max. chain quantity	1

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

REFERENCES REFERENCIAS

74101	X	0	X	/XX/XXX
		COLOR	COLOR	
		/80/3K	3000K	
		/80/4K	4000K	
		/11-3K	RGBW (3000K)	
		TYPE	MODELO	
		2	500	
		4	1000	
		BEAM	ÓPTICAS	
		0	120° (Without lens)	
		VERSION	VERSIÓN	
		0	On-Off (Monocolor)	
		5	DMX (RGBW)	

OPTIONS OPCIONES

Also available on request in :

Monochrome: 2700K and 6000K

RGBW: White 2700K, 4000K, 5700K and 6500K

También disponible bajo demanda en:

Monocolor: 2700K y 6000K

RGBW: Blanco 2700K, 4000K, 5700K y 6500K

The antiglare shield must be ordered on request together with the lighting fixture.

La visera antideslumbrante debe pedirse bajo demanda junto con la luminaria.



ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



For installation monocolor.

Para instalación monocolor

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	1
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030449	1m power cable with female IP66 connector (2 poles)	Cable de alimentación con conector hembra IP66 (2 polos)	3
M030450	Extension power cable 1m (2 poles)	Extensión de cable de alimentación 1m (2 polos)	4

For installation RGBW.

Para instalación RGBW

M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	1
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)	
M030453	1m power & DATA cable with female IP66 connector (5 poles)	Cable de alimentación & DATA con conector hembra IP66 (5 polos)	3
M030454	Extension power & DATA cable 1m (5 poles)	Extensión de cable de alimentación & DATA 1m (5 polos)	4
M030249	End cap 120 OHM (5 poles-female)	Tapón final 120 OHM (5 polos-hembra)	2

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias via Bluetooth consultar página 338

Power supplies page 342
Fuentes de alimentación página 342



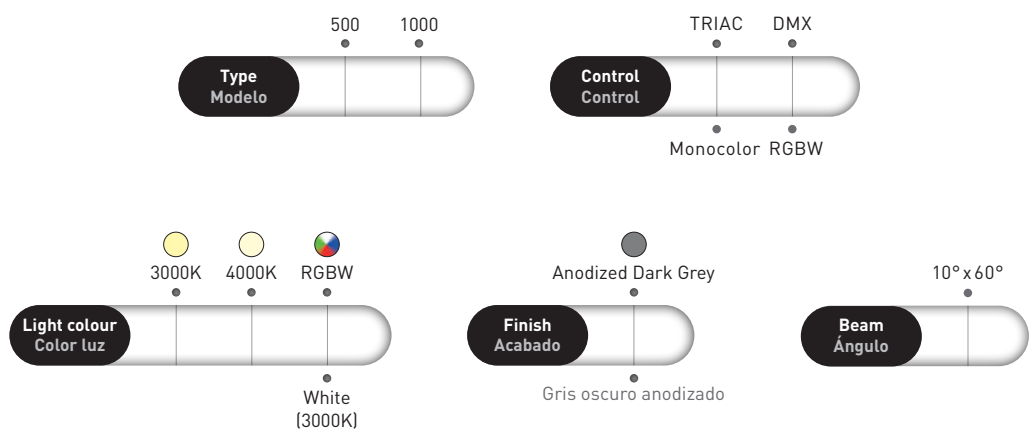


MINI LINE GRAZER



MINI LINE GRAZER

- Uniform light for wall washing applications
 - Lumens output up to 2.280 lumens
 - Slim wall washer fixture (31x66mm) monocolor & (41x66mm) RGBW
 - 100-240V monocolor and RGBW types (1 pixel)
 - TRIAC dimmable monocolor types and RGBW controllable by DMX512
 - Easy serial connection, up to 20m.
 - Dark grey anodized aluminum body and tempered glass
- Luz lineal uniforme para bañar paredes
 - Lumens output hasta 2.280 lumens
 - Bañador de pared muy pequeño (31x66mm) monocolor (41x66mm) RGBW
 - Modelos 100-240V monocolor y RGBW (1 pixel)
 - Modelos monocolor dimerizables TRIAC y RGBW controlable con DMX512
 - Fácil conexión en serie, hasta 20m.
 - Cuerpo de aluminio anodizado en color gris oscuro y cristal templado



SPECIFICATIONS CARACTERÍSTICAS



100-240V
AC

IP66

IK08

CRI>80



Monocolor

DMX

AL
Housing

Security
GLASS
Cover

L80 B10
>60.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +50°C
max +122°F

CB
Test

CE

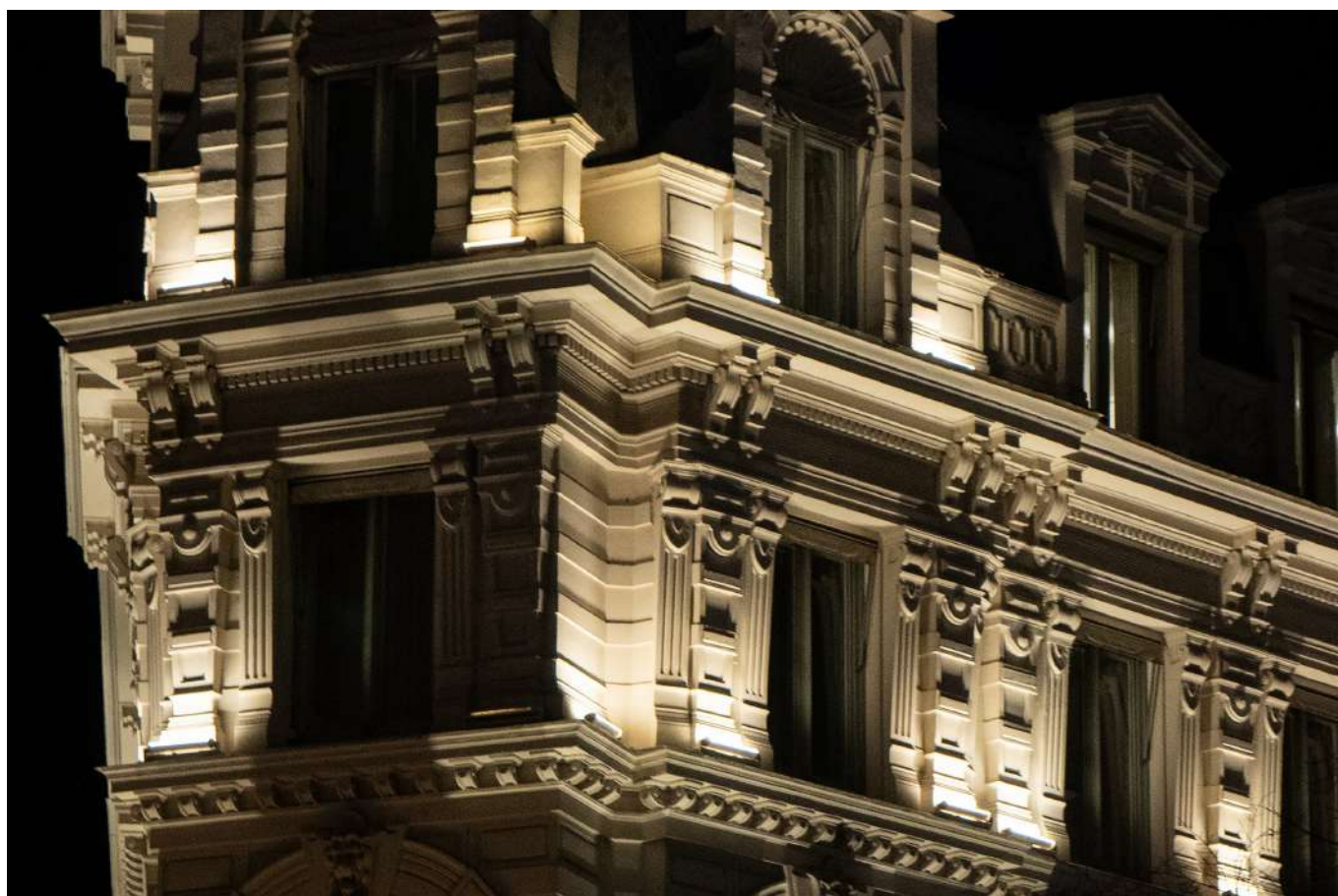
RGBW

Mini Line Grazer Monocolor 500		
Power	12 W	
Color temperatures	3000K	4000K
Lumens output 10°x 60°	1080 lm	1140 lm
Luminaire efficiency	97 lm/W	102 lm/W
Measures	500 x 31 x 66 mm	
Weight	0,8 kg	

Mini Line Grazer RGBW 500 (1 px)					
Power	21 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output 10°x 60°	168 lm	250 lm	55 lm	425 lm	875 lm
Luminaire efficiency	42 lm/W				
Measures	500 x 42 x 66 mm				
Weight	0,9 kg				

Mini Line Grazer Monocolor 1000		
Power	24 W	
Color temperatures	3000K	4000K
Lumens output 10°x 60°	2160 lm	2280 lm
Luminaire efficiency	97 lm/W	102 lm/W
Measures	1000 x 31 x 66 mm	
Weight	1,6 kg	

Mini Line Grazer RGBW 1000 (1 px)					
Power	42 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output 10°x 60°	335 lm	500 lm	110 lm	850 lm	1750 lm
Luminaire efficiency	42 lm/W				
Measures	1000 x 42 x 66 mm				
Weight	1,8 kg				



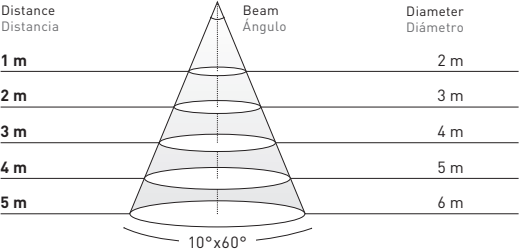
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

MINI LINE GRAZER

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Mini Line Grazer 1m

24 W 10°x60°



3000K

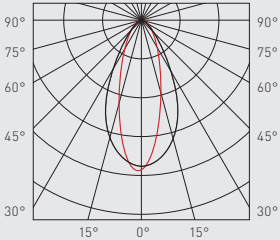
WARM WHITE
BLANCO CÁLIDO

348 lux
171 lux
86 lux
54 lux
35 lux

4000K

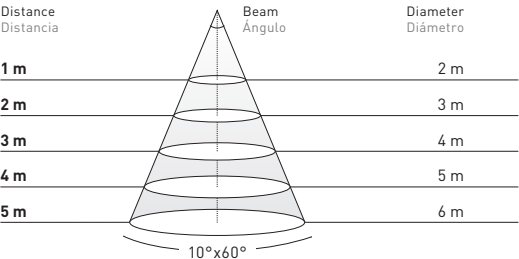
NEUTRAL WHITE
BLANCO NEUTRO

368 lux
180 lux
91 lux
57 lux
37 lux



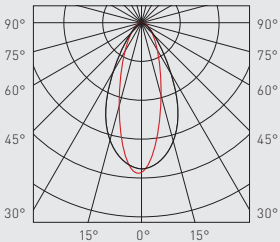
Mini Line Grazer 1m

42 W 10°x60°



R+G+B+W

329 lux
147 lux
73 lux
45 lux
29 lux



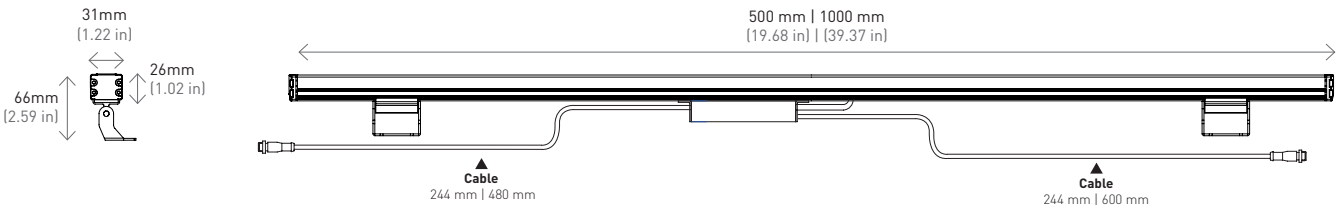
Data calculated with **Mini Line Grazer**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Mini Line Grazer**.
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.

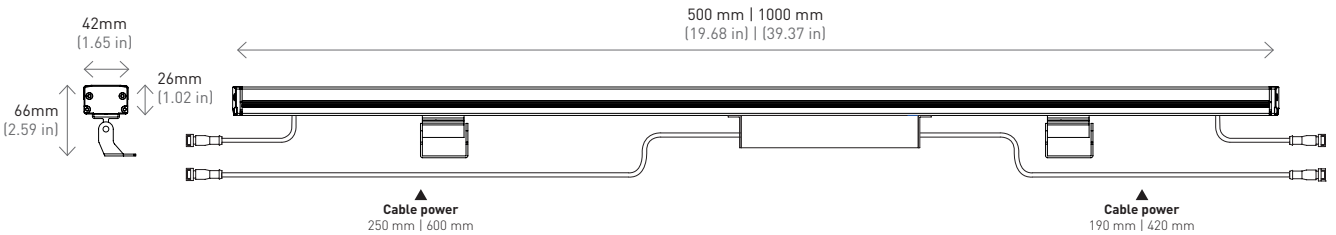


MEASURES MEDIDAS

Mini Line Grazer Monocolor



Mini Line Grazer RGBW



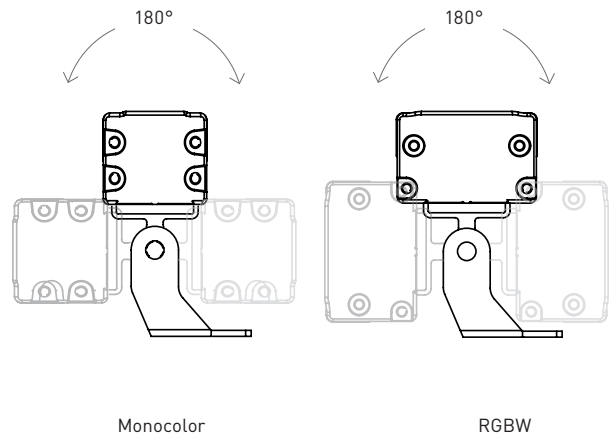
DETAILS DETALLES



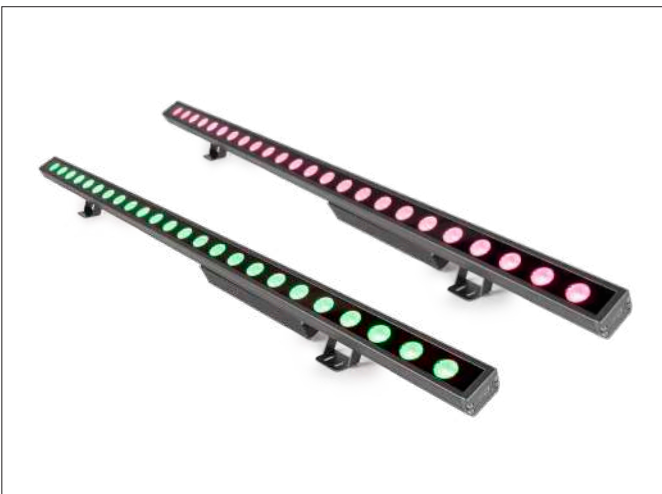
Anodized Dark Grey (RAL 7037).
Gris oscuro anodizado (RAL 7037).



Power cable and end cap included.
Cable de alimentación y tapón final incluido.



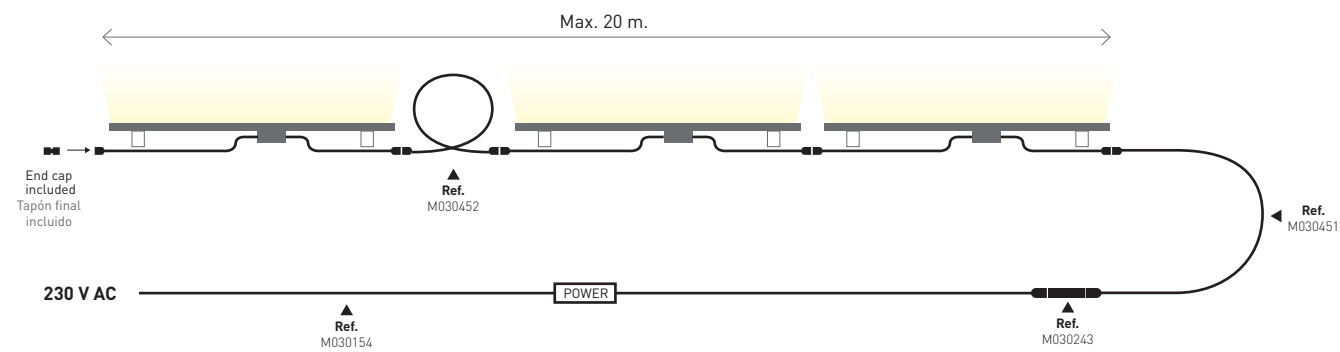
Swivel base (180°)
Base giratoria (180°)



RGBW model (1 pixel fixture)
Modelo RGBW (1 pixel luminaria)

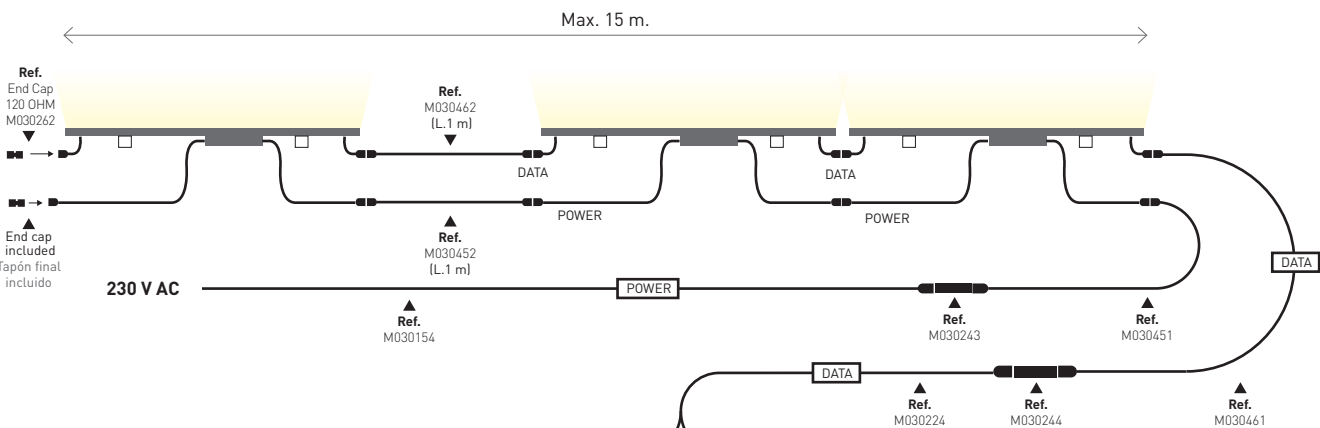
MINI LINE GRAZER

MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR

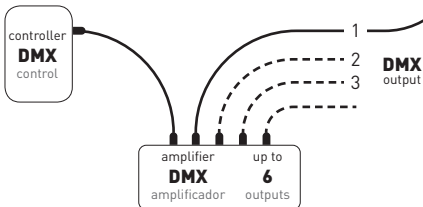


! Maximum 20 m of Mini Line Grazer per on-off connection
Máximo de 20m Mini Line Grazer por conexión on-off

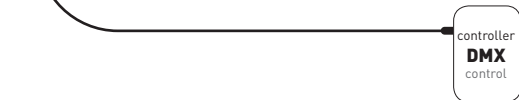
CONNECTIONS RGBW CONEXIONES RGBW



**MORE THAN 15 MINI LINE GRAZER WITH DMX.
PARA MÁS DE 15 MINI LINE GRAZER CON DMX.**



**UP TO 15 MINI LINE GRAZER WITH DMX.
HASTA 15 MINI LINE GRAZER CON DMX.**



A

**MORE THAN 15 MINI LINE GRAZER WITH DMX
PARA MÁS DE 15 MINI LINE GRAZER CON DMX.**

Maximum 15 Mini Line Grazer 1m per DMX.
Maximum 100 meters from controller to the amplifier.
Maximum 100 meters from amplifier to last Mini Line Grazer.

Máximo 15 Line Grazer 1m por salida DMX.
Máximo 100 metros del controlador al amplificador.
Máximo 100 metros del amplificador al último Mini Line Grazer.

B

**UP TO 15 MINI LINE GRAZER WITH DMX.
HASTA 15 MINI LINE GRAZER CON DMX.**

Maximum 15 Mini Line Grazer 1m per DMX controller.
Maximum 100 meters from controller to last Mini Line Grazer.

Máximo 15 Mini Line Grazer 1m por controlador DMX.
Máximo 100 metros del controlador al último Mini Line Grazer.

REFERENCES REFERENCIAS

75001	X	0	X	/XX/XXX
		COLOR		COLOR
		/80/3K		3000K
		/80/4K		4000K
		/11-3K		RGBW (3000K)
		TYPE		MODELO
		2		500
		4		1000
		BEAM		ÓPTICAS
		0		10°x60°
		VERSION		VERSIÓN
		5		DMX (RGBW)
		7		TRIAC (Monocolor)

OPTIONS OPCIONES

Also available on request in :

Monochrome: 2700K and 6000K

RGBW: White 2700K, 4000K, 5700K and 6500K

También disponible bajo demanda en:

Monocolor: 2700K y 6000K

RGBW: Blanco 2700K, 4000K, 5700K y 6500K

The antiglare shield must be ordered on request together with the lighting fixture.

La visera antideslumbrante debe pedirse bajo demanda junto con la luminaria.



ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



For installation monocolor.

Para instalación monocolor

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	1
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030451	1m power cable with female IP66 connector (3 poles)	Cable de alimentación con conector hembra IP66 (3 polos)	3
M030452	Extension power cable 1m (3 poles)	Extensión de cable de alimentación 1m (3 polos)	4

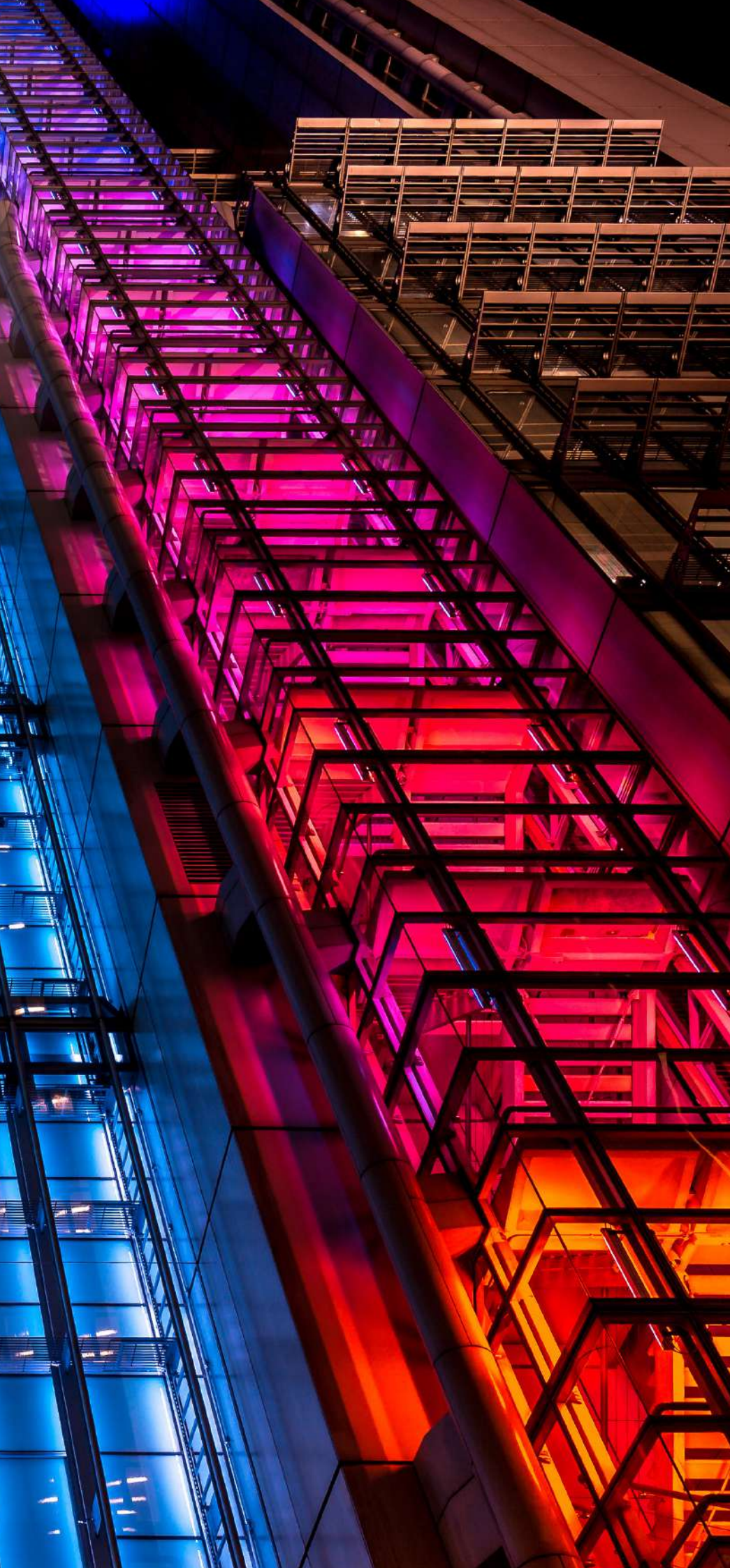
For installation RGBW.

Para instalación RGBW

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	1
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)	
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)	
M030451	1m power cable with female IP66 connector (3 poles)	Cable de alimentación con conector hembra IP66 (3 polos)	3
M030461	1m DATA cable with female IP66 connector (4 poles)	Cable DATA con conector hembra IP66 (4 polos)	
M030452	Extension power cable 1m (3 poles)	Extensión de cable de alimentación 1m (3 polos)	4
M030462	Extension DATA cable 1m (4 poles)	Extensión de cable DATA 1m (4 polos)	
M030262	End cap 120 OHM (4 poles-male)	Tapón final 120 OHM (4 polos-macho)	2

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338





MINI LINE GRAZER PLUS



MINI LINE GRAZER PLUS

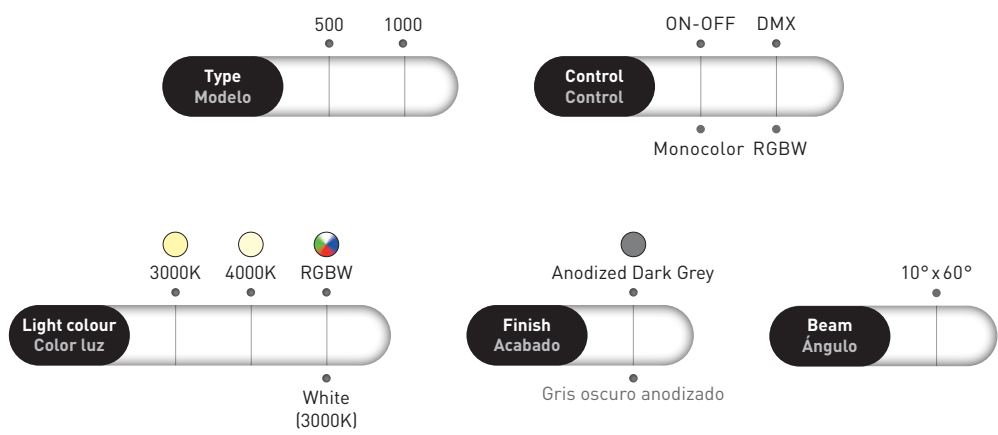
- Uniform light for wall washing applications
 - Lumens output up to 7.000 lumens
 - Powerful wall washer up to 12m height
 - 100-240V monocolor and 100-277V RGBW types (1 pixel)
 - On-Off monocolor types and RGBW controllable by DMX512
 - Easy serial connection, up to 15m.
 - Dark grey anodized aluminum body and tempered glass
- Luz lineal uniforme para bañar paredes
 - Lumens output hasta 7.000 lumens
 - Bañador potente de paredes hasta 12m de altura
 - Modelos 100-240V monocolor y 100-277V RGBW (1 pixel)
 - Modelos monocolor On-Off y RGBW controlable con DMX512
 - Fácil conexión en serie, hasta 15m.
 - Cuerpo de aluminio anodizado en color gris oscuro y cristal templado



MONOCOLOR
72 LEDs/m



RGBW (1px)
48 LEDs/m



SPECIFICATIONS CARACTERÍSTICAS



100-240V
AC

Monocolor

100-277V
AC

RGBW

IP66

IK08

CRI>80

on/off

Monocolor

DMX

RGBW

AL
Housing

Security
GLASS
Cover

L80 B10
>60.000h
Ta +25°C

Ta min -20°C
-4°F
Ta max +50°C
+122°F

CB
Test

CE

Mini Line Grazer Plus Monocolor 500

Power	36 W	
Color temperatures	3000K	4000K
Lumens output 10°x 60°	3460 lm	3635 lm
Luminaire efficiency	97 lm/W	102 lm/W
Measures	500 x 33 x 65 mm	
Weight	1,5 kg	

Mini Line Grazer Plus RGBW 500 (1 px)

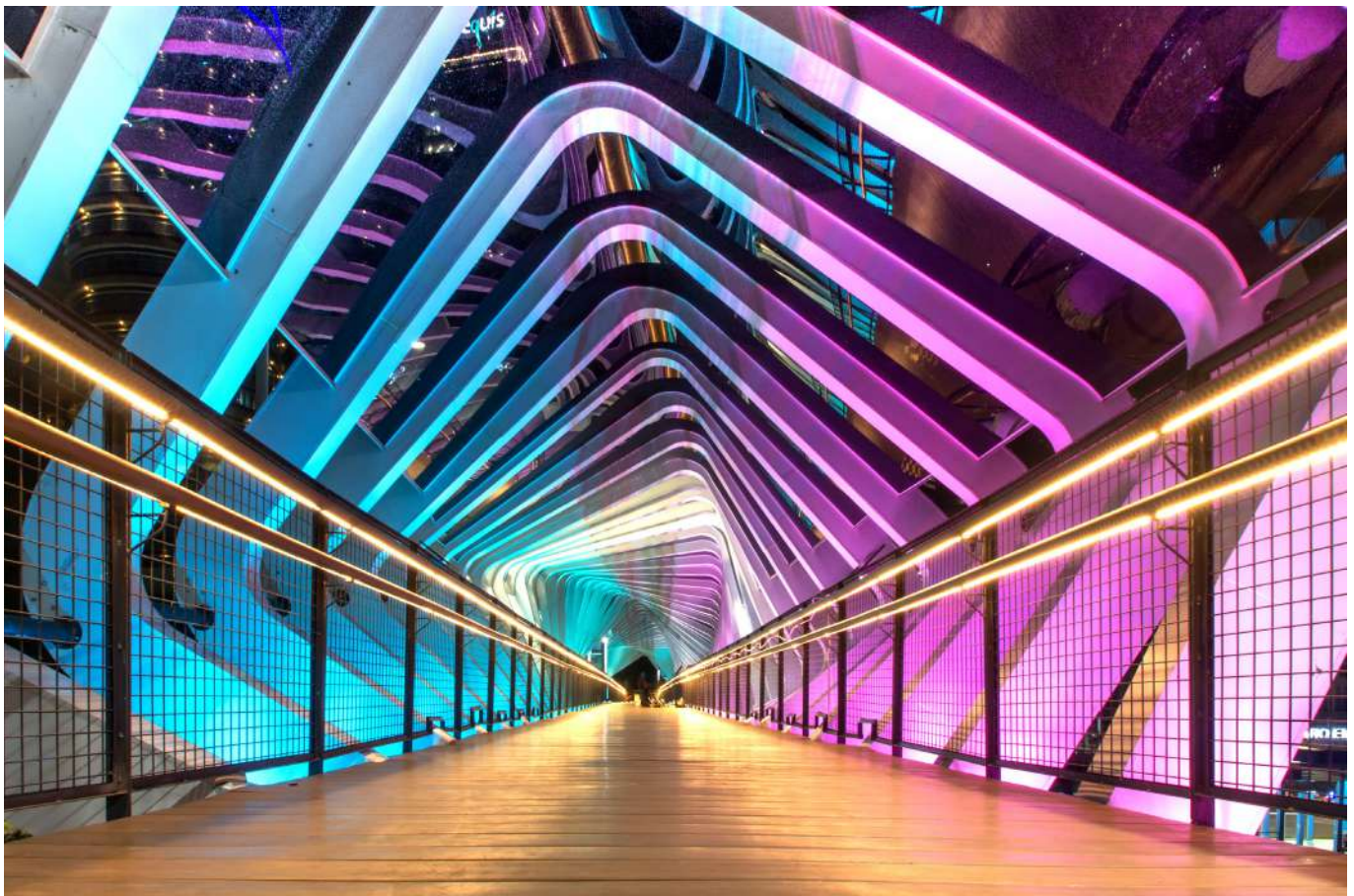
Power	36 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output 10°x 60°	315 lm	660 lm	153 lm	822 lm	1815 lm
Luminaire efficiency	55 lm/W				
Measures	500 x 33 x 65 mm				
Weight	1,6 kg				

Mini Line Grazer Plus Monocolor 1000

Power	72 W	
Color temperatures	3000K	4000K
Lumens output 10°x 60°	6920 lm	7270 lm
Luminaire efficiency	97 lm/W	102 lm/W
Measures	1000 x 33 x 65 mm	
Weight	3 kg	

Mini Line Grazer Plus RGBW 1000 (1 px)

Power	72 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output 10°x 60°	630 lm	1318 lm	306 lm	1643 lm	3630 lm
Luminaire efficiency	55 lm/W				
Measures	1000 x 33 x 65 mm				
Weight	3,2 kg				



Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

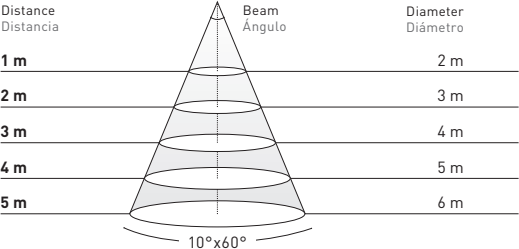
MINI LINE GRAZER PLUS

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Mini Line Grazer Plus 1m

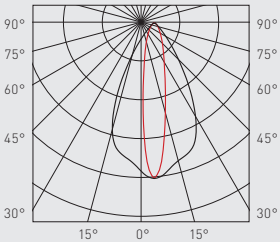
72W 10°x60°

3000K



WARM WHITE
BLANCO CÁLIDO

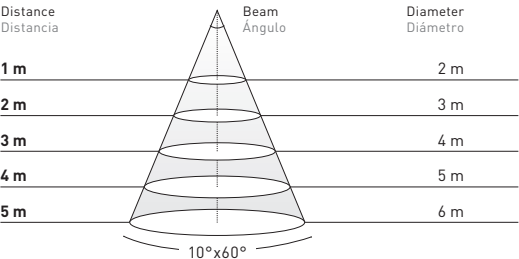
9249 lux
2312 lux
1028 lux
578 lux
370 lux



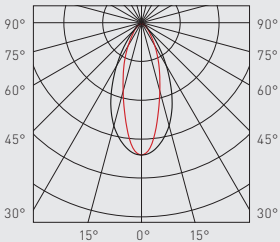
Mini Line Grazer Plus 1m

72W 10°x60°

R+G+B+W



2830 lux
707 lux
314 lux
177 lux
113 lux



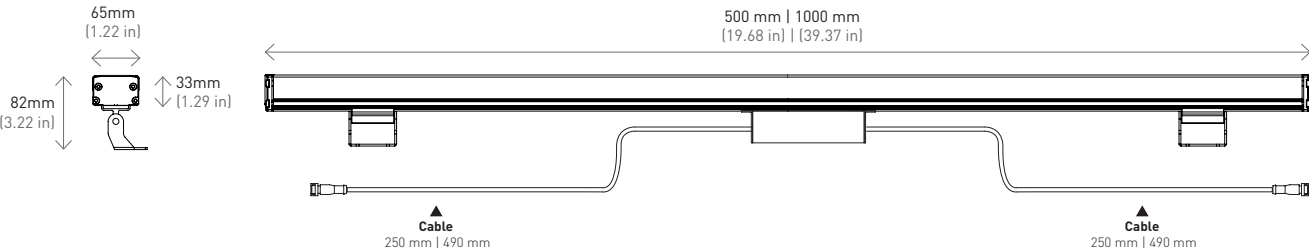
Data calculated with **Mini Line Grazer Plus**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

Datos calculados con **Mini Line Grazer Plus**.
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.

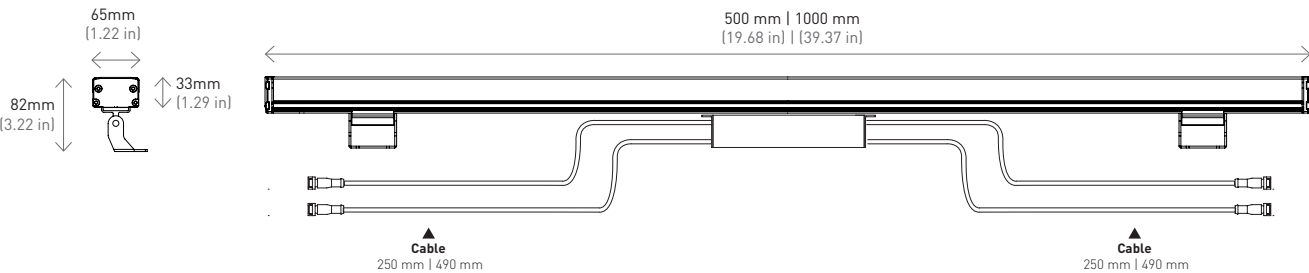


MEASURES MEDIDAS

Mini Line Grazer Plus Monocolor



Mini Line Grazer Plus RGBW



DETAILS DETALLES



Anodized Dark Grey (RAL 7037).
Gris oscuro anodizado (RAL 7037).



Power cable and end cap included.
Cable de alimentación y tapón final incluido.



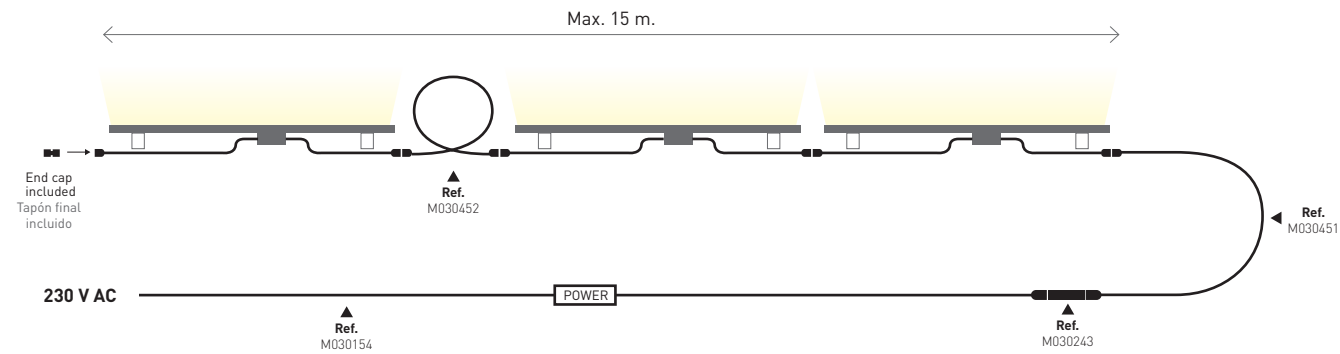
Swivel base (180°)
Base giratoria (180°)



RGBW model
Modelo RGBW

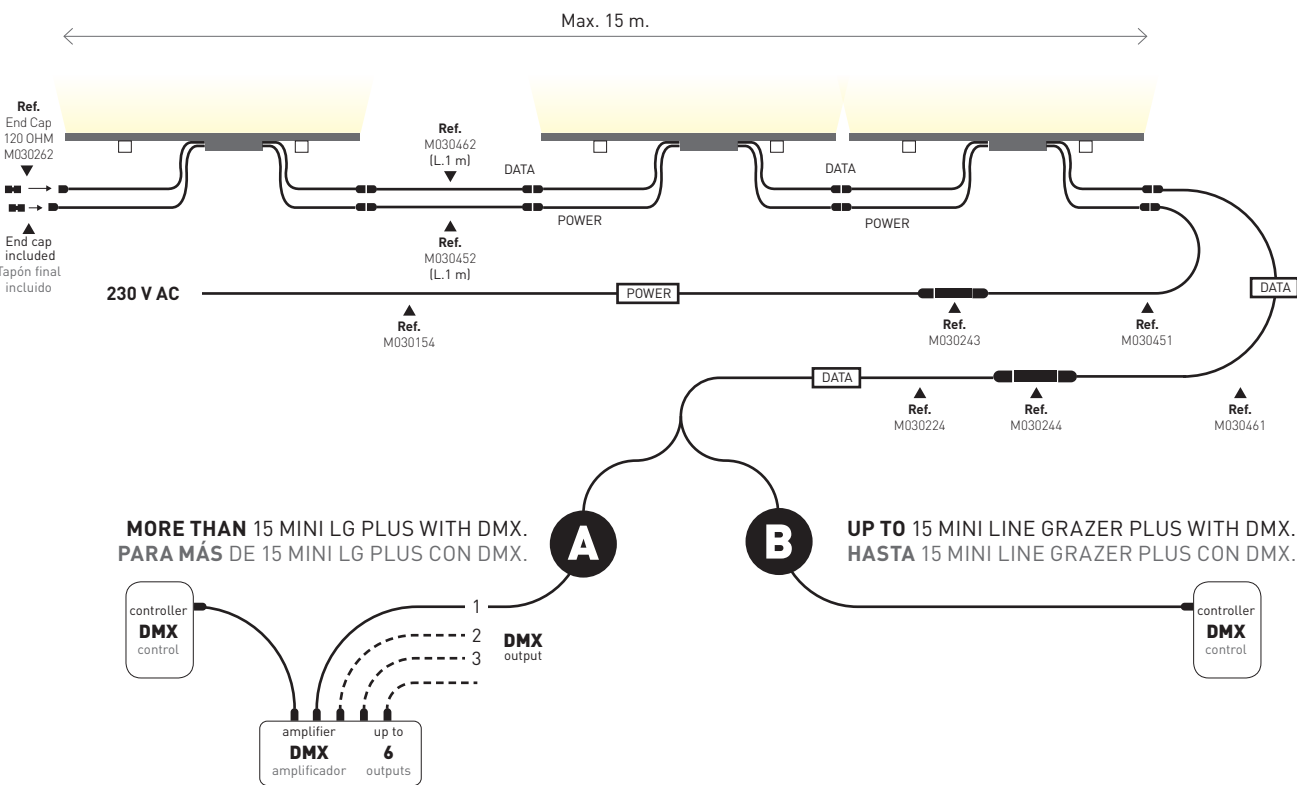
MINI LINE GRAZER PLUS

MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR

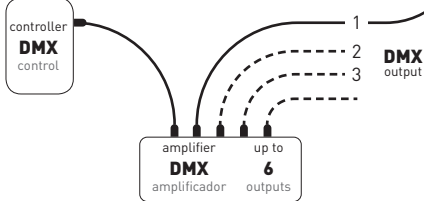


! Maximum 15m of Mini Line Grazer Plus per on-off connection
Máximo de 15m Mini Line Grazer por conexión on-off

CONNECTIONS RGBW CONEXIONES RGBW



**MORE THAN 15 MINI LG PLUS WITH DMX.
PARA MÁS DE 15 MINI LG PLUS CON DMX.**



**UP TO 15 MINI LINE GRAZER PLUS WITH DMX.
HASTA 15 MINI LINE GRAZER PLUS CON DMX.**



A

**MORE THAN 15 MINI LINE GRAZER PLUS WITH DMX
PARA MÁS DE 15 MINI LINE GRAZER PLUS CON DMX.**

Maximum 15 Mini Line Grazer 1m per DMX.
Maximum 100 meters from controller to the amplifier.
Maximum 100 meters from amplifier to last Mini Line Grazer Plus.

Máximo 15 Line Grazer 1m por salida DMX.
Máximo 100 metros del controlador al amplificador.
Máximo 100 metros del amplificador al último Mini Line Grazer Plus.

B

**UP TO 15 MINI LINE GRAZER PLUS WITH DMX.
HASTA 15 MINI LINE GRAZER PLUS CON DMX.**

Maximum 15 Mini Line Grazer 1m per DMX controller.
Maximum 100 meters from controller to last Mini Line Grazer Plus.

Máximo 15 Mini Line Grazer 1m por controlador DMX.
Máximo 100 metros del controlador al último Mini Line Grazer Plus.

REFERENCES REFERENCIAS

75002	X	0	X	/XX/XXX
		COLOR		COLOR
		/80/3K	3000K	
		/80/4K	4000K	
		/11-3K	RGBW (3000K)	
		TYPE		MODELO
		2	500	
		4	1000	
		BEAM		ÓPTICAS
		0	10°x60°	
		VERSION		VERSIÓN
		1	On-Off (Monocolor)	
		5	DMX (RGBW)	

OPTIONS OPCIONES

Also available on request in :

Monochrome: 2700K and 6000K

RGBW: White 2700K, 4000K, 5700K and 6500K

También disponible bajo demanda en:

Monocolor: 2700K y 6000K

RGBW: Blanco 2700K, 4000K, 5700K y 6500K

The antiglare shield must be ordered on request together with the lighting fixture.

La visera antideslumbrante debe pedirse bajo demanda junto con la luminaria.



ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



For installation monocolor.

Para instalación monocolor

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	1
M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030451	1m power cable with female IP66 connector (3 poles)	Cable de alimentación con conector hembra IP66 (3 polos)	3
M030452	Extension power cable 1m (3 poles)	Extensión de cable de alimentación 1m (3 polos)	4

For installation RGBW.

Para instalación RGBW

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	1
M030244	IP68 "I" connection Ø6-17mm Tee Tube (5 poles)	Conexión "I" Ø6-17mm IP68 Tee Tube (5 polos)	
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)	
M030451	1m power cable with female IP66 connector (3 poles)	Cable de alimentación con conector hembra IP66 (3 polos)	3
M030461	1m DATA cable with female IP66 connector (4 poles)	Cable DATA con conector hembra IP66 (4 polos)	
M030452	Extension power cable 1m (3 poles)	Extensión de cable de alimentación 1m (3 polos)	4
M030462	Extension DATA cable 1m (4 poles)	Extensión de cable DATA 1m (4 polos)	
M030262	End cap 120 OHM (4 poles-female)	Tapón final 120 OHM (4 polos-hembra)	2

Church Sainte-Madeleine,
France



Photographer: Jean-Baptiste Guerlesquin



SLIM LINE GRAZER

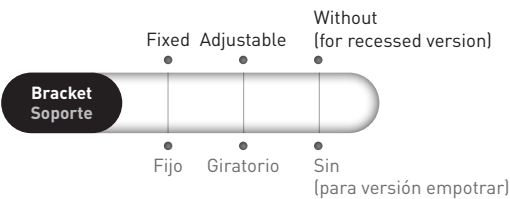
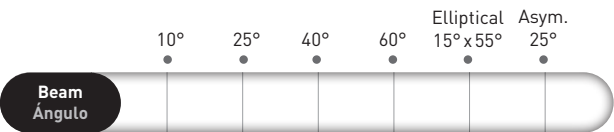
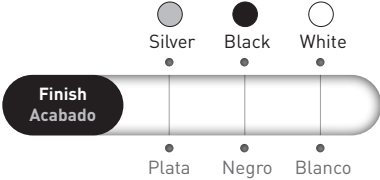
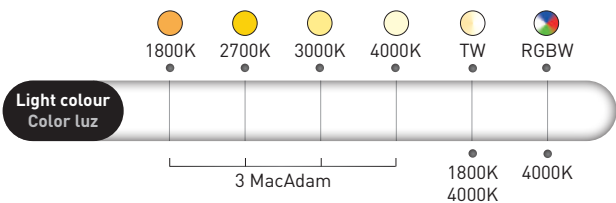
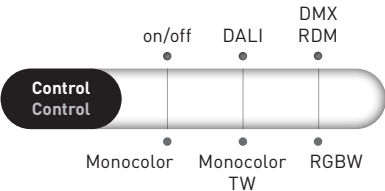
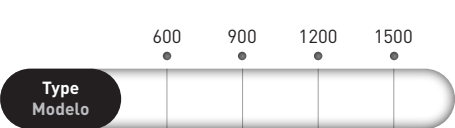
Gen 2



SLIM LINE GRAZER

Gen 2

- Uniform light for wall washing applications
- Luminaire efficiency 100 lm/W
- Lumens output up to 9.300 lumens
- Wide range with 4 lengths, 6 color temperatures, 6 beam angles
- 8mm thickness glass to achieve IK10
- Easy chain connection
- Surface or recessed model
- Luz lineal uniforme para bañar paredes
- Eficiencia de la luminaria 100 lm/W
- Lumens output hasta 9.300 lumens
- Gran variedad de modelos, 4 longitudes, 6 temperaturas de color y 6 ópticas
- Cristal de 8mm de espesor para garantizar un IK10
- Fácil conexión en cadena
- Montaje en superficie o empotrado



The standard version is delivered with adjustable bracket and 15°x 55° beam angle.
La versión estándar se suministra con soporte giratorio y ángulo de apertura 15°x 55°.

SPECIFICATIONS CARACTERÍSTICAS

	220-240V AC	IP66	IK10	CRI>80	CRI>70 1800K	on/off DALI	DMX RDM	AL Housing	Security GLASS Cover	L80 B10 >60.000h Ta +25°C	L90 B10 >60.000h Ta +25°C	Ta min -20°C Ta max +50°C +122°F	
							RGBW			Monocolor	RGBW		

Slim Line Grazer 1500 Monocolor

Power	91 W				
Color temperatures	1800K	2700K	3000K	4000K	*TW 1800K-4000K
Lumens output	10° - 8596 lm 25° - 8227 lm 40° - 7488 lm 60° - 7853 lm 15°x55° - 8042 lm Asym.25° - 7940 lm	10° - 8783 lm 25° - 8406 lm 40° - 7651 lm 60° - 8024 lm 15°x55° - 8217 lm Asym.25° - 8112 lm	10° - 9344 lm 25° - 8943 lm 40° - 8139 lm 60° - 8536 lm 15°x55° - 8742 lm Asym.25° - 8630 lm	10° - 9344 lm 25° - 8943 lm 40° - 8139 lm 60° - 8536 lm 15°x55° - 8742 lm Asym.25° - 8630 lm	10° - 4298-4672 lm 25° - 4113-4471 lm 40° - 3744-4069 lm 60° - 3926-4268 lm 15°x55° - 4021-4371 lm Asym.25° - 3970-4315 lm
Luminaire efficiency	83 to 91 lm/W	85 to 96 lm/W	90 to 102 lm/W	90 to 102 lm/W	85 to 98 lm/W
Measures	1500 x 80 x 44 mm				
Weight	4,6 kg				

Slim Line Grazer 1500 RGBW

Power		28 W	28 W	28 W	28 W	112 W
Color temperatures		Red	Green	Blue	4000K	RGBW
Lumens output	10° 25° 40° 60° 15°x55° Asym.25°	926 lm 884 lm 804 lm 846 lm 865 lm 858 lm	2472 lm 2366 lm 2154 lm 2259 lm 2313 lm 2283 lm	565 lm 541 lm 493 lm 517 lm 529 lm 523 lm	2061 lm 1972 lm 1795 lm 1883 lm 1928 lm 1903 lm	6024 lm 5763 lm 5246 lm 5505 lm 5635 lm 5567 lm
Luminaire efficiency		28 to 33 lm/W	77 to 88 lm/W	18 to 20 lm/W	64 to 74 lm/W	46 to 53 lm/W
Measures		1500 x 80 x 44 mm				
Weight		4,6 kg				

Slim Line Grazer 1200 Monocolor

Power	73 W				
Color temperatures	1800K	2700K	3000K	4000K	*TW 1800K-4000K
Lumens output	10° - 6877 lm 25° - 6582 lm 40° - 5991 lm 60° - 6283 lm 15°x55° - 6434 lm Asym.25° - 6352 lm	10° - 7027 lm 25° - 6725 lm 40° - 6121 lm 60° - 6419 lm 15°x55° - 6574 lm Asym.25° - 6490 lm	10° - 7475 lm 25° - 7154 lm 40° - 6511 lm 60° - 6829 lm 15°x55° - 6993 lm Asym.25° - 6904 lm	10° - 7475 lm 25° - 7154 lm 40° - 6511 lm 60° - 6829 lm 15°x55° - 6993 lm Asym.25° - 6904 lm	10° - 3438-3737 lm 25° - 3291-3577 lm 40° - 2995-3255 lm 60° - 3141-3414 lm 15°x55° - 3217-3496 lm Asym.25° - 3176- 3452 lm
Luminaire efficiency	83 to 91 lm/W	85 to 96 lm/W	90 to 102 lm/W	90 to 102 lm/W	85 to 98 lm/W
Measures	1205 x 80 x 44 mm				
Weight	3,7 kg				

Slim Line Grazer 1200 RGBW

Power		22,5 W	22,5 W	22,5 W	22,5 W	90 W
Color temperatures		Red	Green	Blue	4000K	RGBW
Lumens output	10° 25° 40° 60° 15°x55° Asym.25°	741 lm 710 lm 644 lm 676 lm 693 lm 685 lm	1977 lm 1893 lm 1723 lm 1807 lm 1850 lm 1826 lm	452 lm 433 lm 394 lm 413 lm 423 lm 418 lm	1648 lm 1577 lm 1436 lm 1506 lm 1542 lm 1522 lm	4818 lm 4613 lm 4197 lm 4402 lm 4508 lm 4451 lm
Luminaire efficiency		28 to 33 lm/W	77 to 88 lm/W	18 to 20 lm/W	64 to 74 lm/W	46 to 53 lm/W
Measures		1205 x 80 x 44 mm				
Weight		3,7 kg				

*Lumens per color channel.

*Lúmenes por cada canal de color.

Color temperature conform to **ANSI C78.377A**.

Temperatura de color según normativa **ANSI C78.377A**.

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

SLIM LINE GRAZER

Gen 2

SPECIFICATIONS CARACTERÍSTICAS

Slim Line Grazer 900 Monocolor					
Power	55 W				
Color temperatures	1800K	2700K	3000K	4000K	*TW 1800K-4000K
Lumens output	10° - 5158 lm 25° - 4792 lm 40° - 4361 lm 60° - 4574 lm 15°x 55° - 4684 lm Asym. 25° - 4764 lm	10° - 5270 lm 25° - 5044 lm 40° - 4591 lm 60° - 4814 lm 15°x 55° - 4930 lm Asym. 25° - 4867 lm	10° - 5606 lm 25° - 5366 lm 40° - 4884 lm 60° - 5122 lm 15°x 55° - 5245 lm Asym. 25° - 5178 lm	10° - 5606 lm 25° - 5366 lm 40° - 4884 lm 60° - 5122 lm 15°x 55° - 5245 lm Asym. 25° - 5178 lm	10°- 2579-2803 lm 25°- 2396-2683 lm 40°- 2180-2442 lm 60°- 2287-2561 lm 15°x55°- 2342-2622 lm Asym.25°- 2382-2589 lm
Luminaire efficiency	83 to 91 lm/W	85 to 96 lm/W	90 to 102 lm/W	90 to 102 lm/W	84 to 97 lm/W
Measures	910 x 80 x 44 mm				
Weight	2,8 kg				

Slim Line Grazer 900 RGBW						
Power		17 W	17 W	17 W	17 W	68 W
Color temperatures		Red	Green	Blue	4000K	RGBW
Lumens output	10° 25° 40° 60° 15°x55° Asym. 25°	554 lm 532 lm 484 lm 508 lm 520 lm 515 lm	1483 lm 1419 lm 1292 lm 1355 lm 1388 lm 1370 lm	339 lm 325 lm 295 lm 310 lm 317 lm 314 lm	1236 lm 1183 lm 1077 lm 1129 lm 1157 lm 1142 lm	3612 lm 3459 lm 3148 lm 3302 lm 3382 lm 3341 lm
Luminaire efficiency		28 to 33 lm/W	77 to 88 lm/W	18 to 20 lm/W	64 to 74 lm/W	46 to 53 lm/W
Measures		910 x 80 x 44 mm				
Weight		2,8 kg				

Slim Line Grazer 600 Monocolor					
Power	38 W				
Color temperatures	1800K	2700K	3000K	4000K	*TW 1800K-4000K
Lumens output	10° - 3439 lm 25° - 3291 lm 40° - 2995 lm 60° - 3141 lm 15°x 55° - 3217 lm Asym. 25° - 3176 lm	10° - 3513 lm 25° - 3362 lm 40° - 3060 lm 60° - 3210 lm 15°x 55° - 3287 lm Asym. 25° - 3245 lm	10° - 3738 lm 25° - 3577 lm 40° - 3256 lm 60° - 3414 lm 15°x 55° - 3497 lm Asym. 25° - 3452 lm	10° - 3738 lm 25° - 3577 lm 40° - 3256 lm 60° - 3414 lm 15°x 55° - 3497 lm Asym. 25° - 3452 lm	10°- 1719-1869 lm 25°- 1645-1788 lm 40°- 1497-1628 lm 60°- 1570-1707 lm 15°x55°- 1608-1748 lm Asym.25°- 1588-1726 lm
Luminaire efficiency	78 to 90 lm/W	80 to 92 lm/W	85 to 98 lm/W	85 to 98 lm/W	82 to 94 lm/W
Measures	615 x 80 x 44 mm				
Weight	1,8 kg				

Slim Line Grazer 600 RGBW						
Power		11,25 W	11,25 W	11,25 W	11,25 W	45 W
Color temperatures		Red	Green	Blue	4000K	RGBW
Lumens output	10° 25° 40° 60° 15°x55° Asym. 25°	369 lm 354 lm 323 lm 337 lm 347 lm 342 lm	989 lm 946 lm 861 lm 903 lm 925 lm 913 lm	226 lm 216 lm 197 lm 207 lm 212 lm 209 lm	824 lm 789 lm 718 lm 753 lm 771 lm 761 lm	2408 lm 2305 lm 2099 lm 2200 lm 2255 lm 2225 lm
Luminaire efficiency		28 to 33 lm/W	77 to 88 lm/W	18 to 20 lm/W	64 to 74 lm/W	46 to 53 lm/W
Measures		615 x 80 x 44 mm				
Weight		1,8 kg				

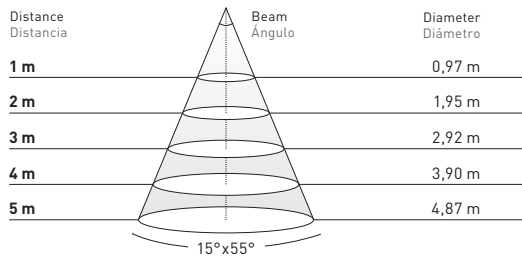
**Lumens per color channel.*
**Lúmenes por cada canal de color.*

Color temperature conform to ANSI C78.377A.
Temperatura de color según normativa ANSI C78.377A.

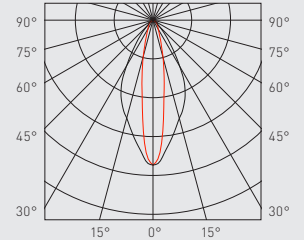
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Slim Line Grazer 900

15°x55°

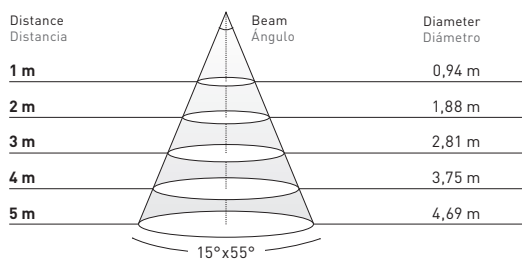


1800K	2700K	3000K	4000K
5620 lux	5936 lux	6.315 lux	6.315 lux
1318 lux	1481 lux	1.576 lux	1.576 lux
587 lux	660 lux	702 lux	702 lux
330 lux	371 lux	395 lux	395 lux
210 lux	237 lux	253 lux	253 lux

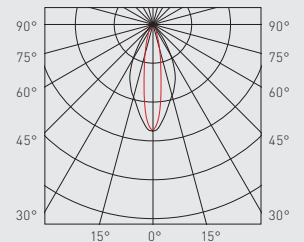


Slim Line Grazer 1200 RGBW

15°x55°



RGBW
4.084 lux
1.021 lux
454 lux
255 lux
163 lux



Data calculated with **Slim Line Grazer**
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**
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.



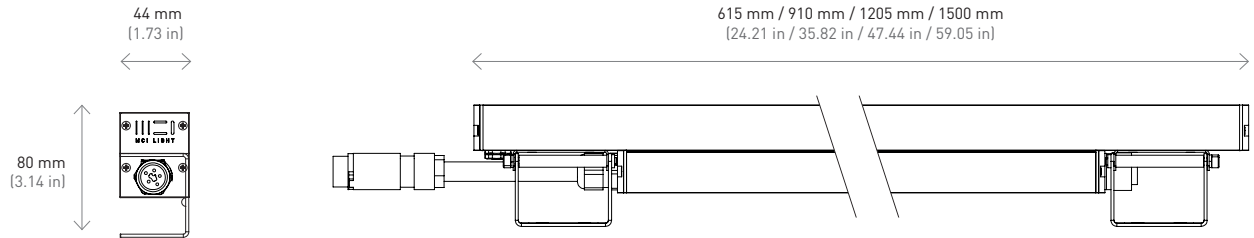
Osorno City Council,
Palencia, Spain

SLIM LINE GRAZER

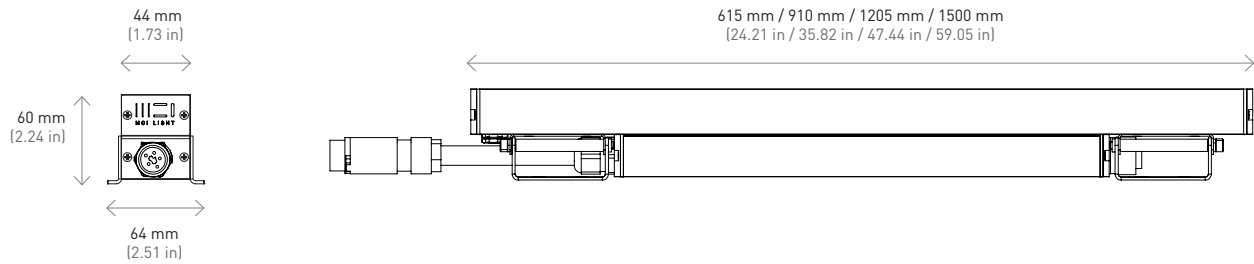
Gen 2

MEASURES MEDIDAS

Slim Line Grazer
Adjustable bracket
Soporte Ajustable

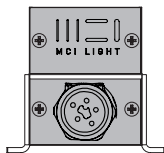


Slim Line Grazer
Fixed bracket
Soporte Fijo

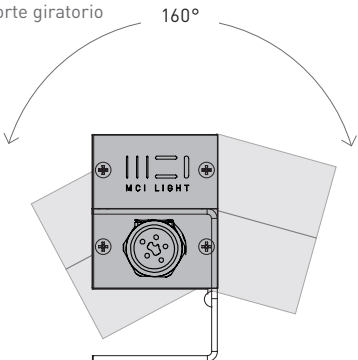


BRACKETS SOPORTES

Fix bracket
Soporte fijo



Adjusted bracket
Soporte giratorio



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)

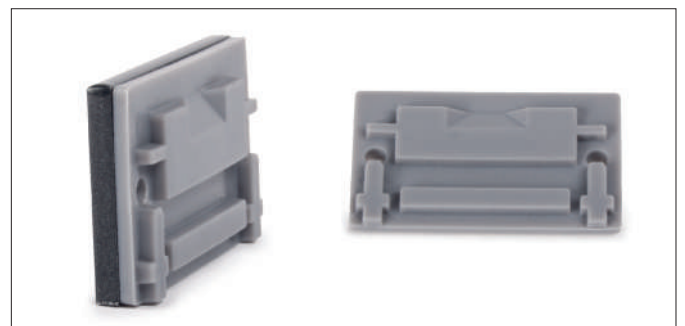
DETAILS DETALLES



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.

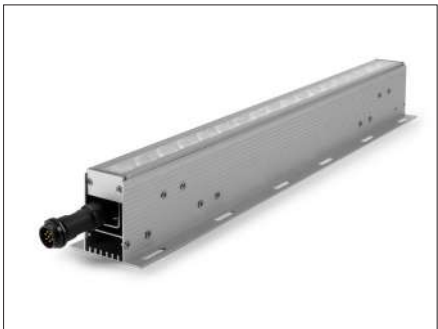


Molded silicone gasket guarantees IP66.
Junta de silicona moldeada que garantiza un IP66.

SLIM LINE GRAZER

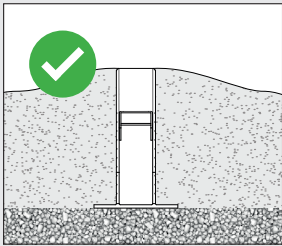
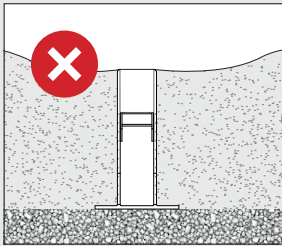
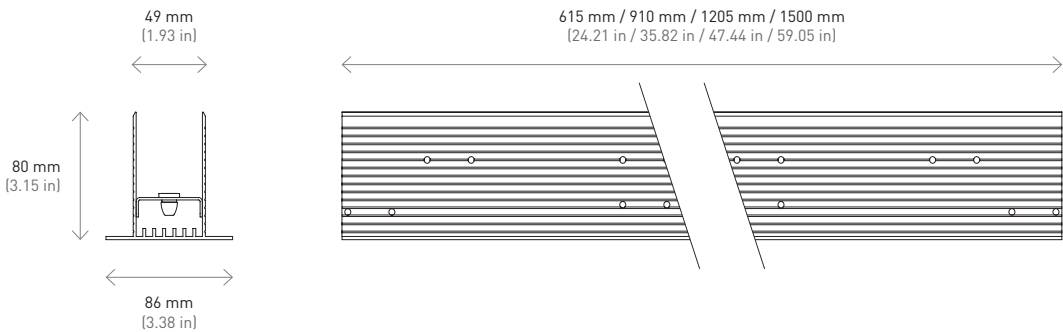
Gen 2

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



75214905/C12	Recessed box 1500	Cajetín de empotrar 1500	1
75214904/C12	Recessed box 1200	Cajetín de empotrar 1200	
75214903/C12	Recessed box 900	Cajetín de empotrar 900	
75214902/C12	Recessed box 600	Cajetín de empotrar 600	
7521095	Fixation kit	Kit unión	2
7101196	Centric extraction tool	Útil extracción en línea	3

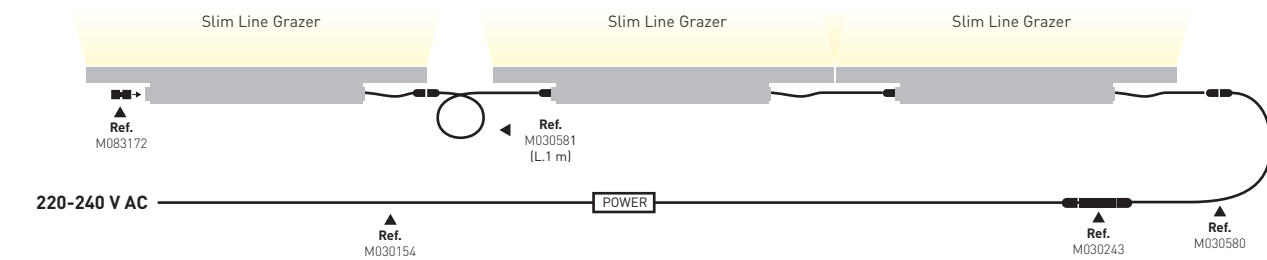


Lumini Shopping Center,
Croatia

SLIM LINE GRAZER

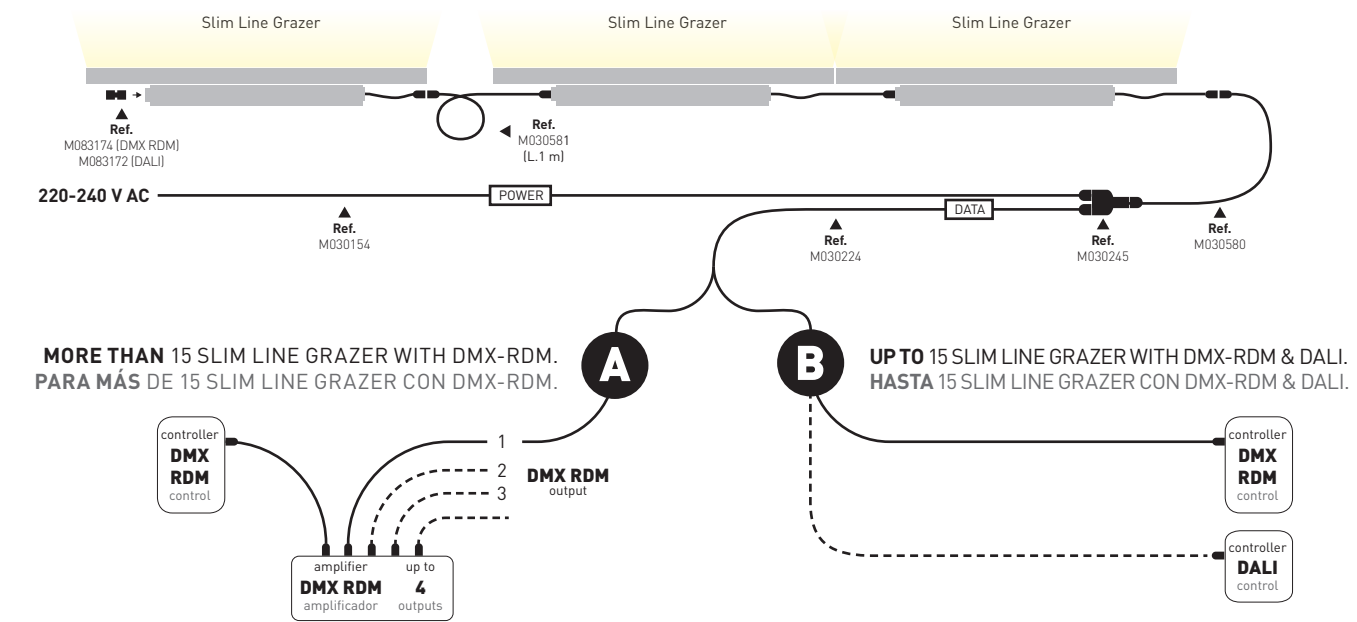
Gen 2

ON-OFF CONNECTIONS CONEXIONES ON-OFF



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

DMX RDM & DALI CONNECTIONS CONEXIONES DMX RDM & DALI



**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 & DALI.
HASTA 15 SLIM LINE GRAZER CON DMX-RDM & DALI.**

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 & DALI.
HASTA 15 SLIM LINE GRAZER CON DMX-RDM & DALI.**

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.

REFERENCES REFERENCIAS

75214 X X X /XX/XXX

COLOUR COLOR

/70/1K8	1800K
/80/2K7	2700K
/80/3K	3000K
/80/4K	4000K
/11-4K	RGBW (white 4000K)
/1K8-4K	1800K-4000K

TYPE MODELO

2	600
3	900
4	1200
5	1500

FINISHES ACABADOS

0	Silver	Plata
2	Black	Negro
3	White	Blanco

CONTROL CONTROL

1	On-Off (Monocolor)
3	DALI (Monocolor)-(Tuneable White)
5	DMX-RDM (RGBW)

OPTIONS OPCIONES

The standard version is delivered with:
Adjustable bracket and 15°x 55° beam angle.

La versión estándar se suministra con:
Soporte giratorio y ángulo de apertura 15°x 55°.

BRACKET SOPORTE

Adjustable	Giratorio	(Standard)
Fixed	Fijo	
Without	Sin	(for recessed version)

BEAM ÁNGULO

10°	
25°	
40°	
60°	
15°x 55°	(Standard)
25° Asym.	

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
M083172	End cap (female) On-off DALI	Tapón final (hembra) On-off DALI	
M083174	120 OHM end cap (5 poles-male) DMX RDM	Tapón final 120 OHM (5 polos-macho) DMX RDM	

For electrical installation.

Para instalación eléctrica.

M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm IP68 Tee Tube (3 polos)	3
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 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	5

To do extensions cables

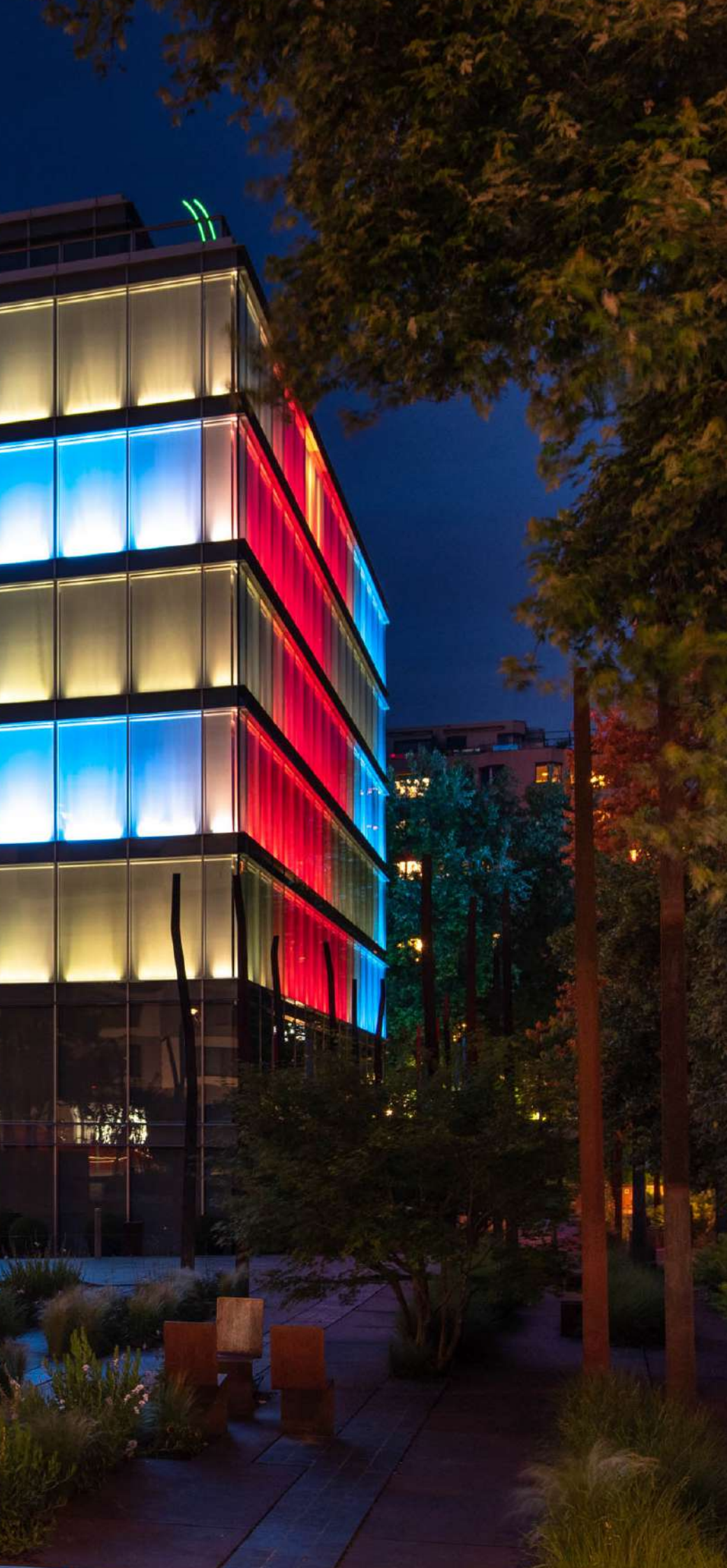
Para hacer extensiones de cables

M083166	IP68 connector (5 poles-male)	Conector aéreo IP68 (5 polos-macho)	
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aéreo 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)	

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Amandolier building,
Geneva, Switzerland



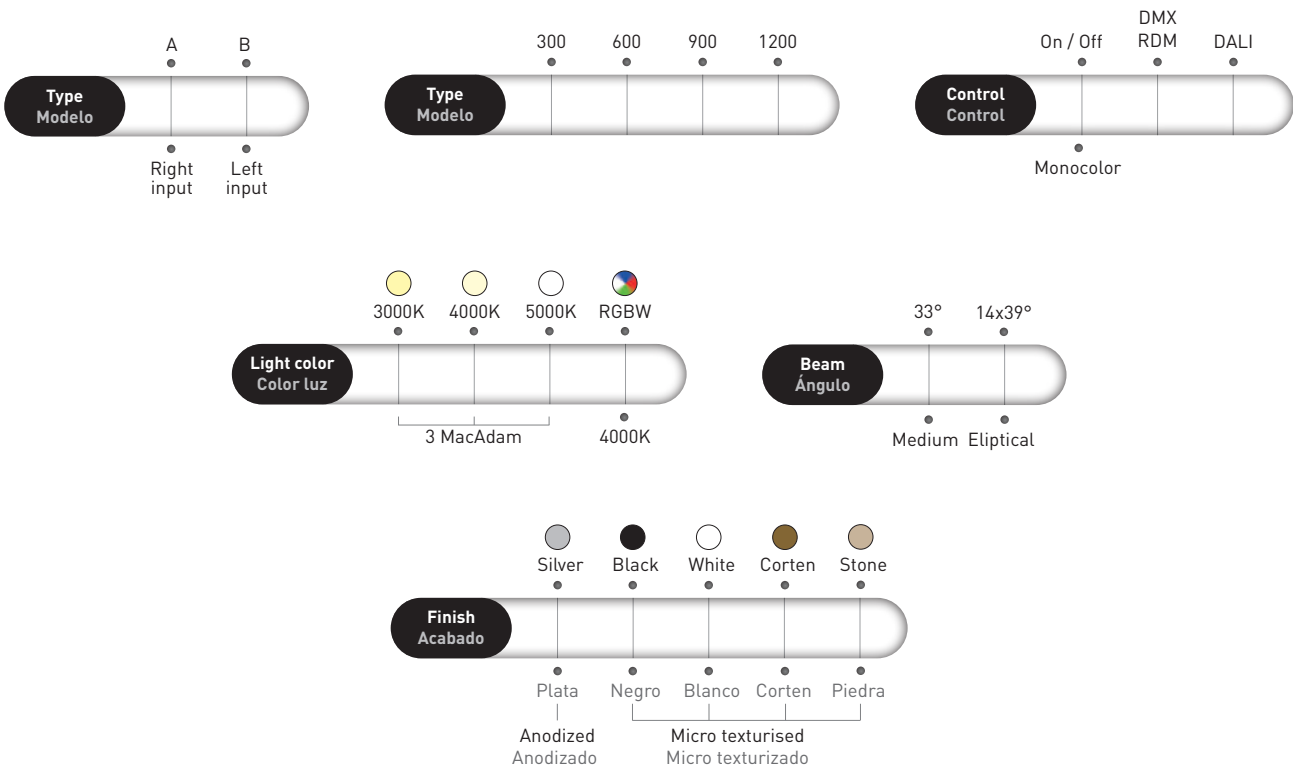


LINE GRAZER PLUS



LINE GRAZER PLUS

- Powerful wall washer up to 30m
 - Lumens output up to 7100lm
 - Antiglare luminaire
 - Flush wall washer
 - 2 beam angles: 33° and 14x39°
 - Perfect color mixing
 - Easy serial connection
- Bañador de paredes potente hasta 30m
 - Lumens output hasta 7100lm
 - Luminaria antideslumbrante
 - Bañado de luz a ras de la luminaria
 - 2 ángulos de apertura: 33° y 14x39°
 - Mezcla de colores perfecta
 - Fácil conexión en serie



SPECIFICATIONS CARACTERÍSTICAS



100-277V
AC

IP66

IK09

CRI 80

on/off

DMX
RDM

DALI

AL
Housing

Security
GLASS
Cover

L80 B10
>70.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +50°C
max +122°F



Line Grazer PLUS 1200

Power	100 W [20 LEDs]			94 W [20 LEDs]					
Color temperature	3000K	4000K	5000K	RGBW					
					Red	Green	Blue	4000K	R+G+B+W
Lumens output	33° - 6248 lm 14x39° - 6560 lm	-33° - 6576 lm 14x39° - 6904 lm	33° - 6780 lm 14x39° - 7116 lm	33° - 920 lm 14x39° - 966 lm	1522 lm 1598 lm	698 lm 732 lm	1644 lm 1726 lm	4780 lm 5020 lm	
Luminaire efficiency	66 lm/W	69 lm/W	71 lm/W	53 lm/W					
Measures / Weight	1221 x 127 x 72 mm / 8 kg								

Line Grazer PLUS 900

Power	75 W (15 LEDs)			70,5 W (15 LEDs)					
Color temperature	3000K	4000K	5000K	RGBW					
					Red	Green	Blue	4000K	R+G+B+W
Lumens output	33° - 4686 lm 14x39° - 4920 lm	33° - 4932 lm 14x39° - 5178 lm	33° - 5085 lm 14x39° - 5337 lm	33° - 690 lm 14x39° - 725 lm	1142 lm 1199 lm	524 lm 549 lm	1233 lm 1295 lm	3585 lm 3765 lm	
Luminaire efficiency	66 lm/W	69 lm/W	71 lm/W	53 lm/W					
Measures / Weight	921 x 127 x 72 mm / 6,1 kg								

Line Grazer PLUS 600

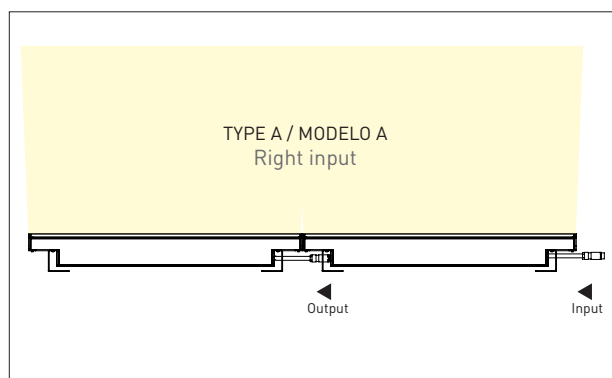
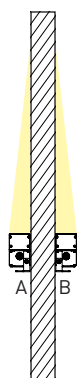
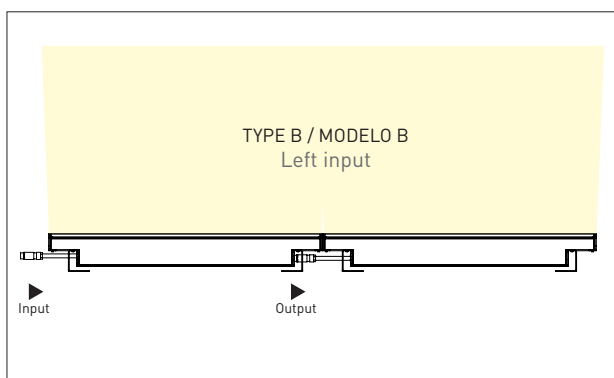
Power	50 W (10 LEDs)			47 W (10 LEDs)					
Color temperature	3000K	4000K	5000K	RGBW					
					Red	Green	Blue	4000K	R+G+B+W
Lumens output	33° - 3124 lm 14x39° - 3280 lm	33° - 3288 lm 14x39° - 3452 lm	33° - 3390 lm 14x39° - 3558 lm	33° - 460 lm 14x39° - 483 lm	761 lm 799 lm	349 lm 366 lm	822 lm 863 lm	2390 lm 2510 lm	
Luminaire efficiency	66 lm/W	69 lm/W	71 lm/W	53 lm/W					
Measures / Weight	621 x 127 x 72 mm / 4 kg								

Line Grazer PLUS 300

Power	25 W [5 LEDs]			23,5 W [5 LEDs]					
Color temperature	3000K	4000K	5000K	RGBW					
					Red	Green	Blue	4000K	R+G+B+W
Lumens output	33° - 1562 lm 14x39° - 1640 lm	33° - 1644 lm 14x39° - 1726 lm	33° - 1695 lm 14x39° - 1779 lm	33° - 14x39° -	230 lm 242 lm	381 lm 400 lm	175 lm 183 lm	411 lm 432 lm	1195 lm 1255 lm
Luminaire efficiency	66 lm/W	69 lm/W	71 lm/W	53 lm/W					
Measures / Weight	321 x 127 x 72 mm / 1,9 kg								

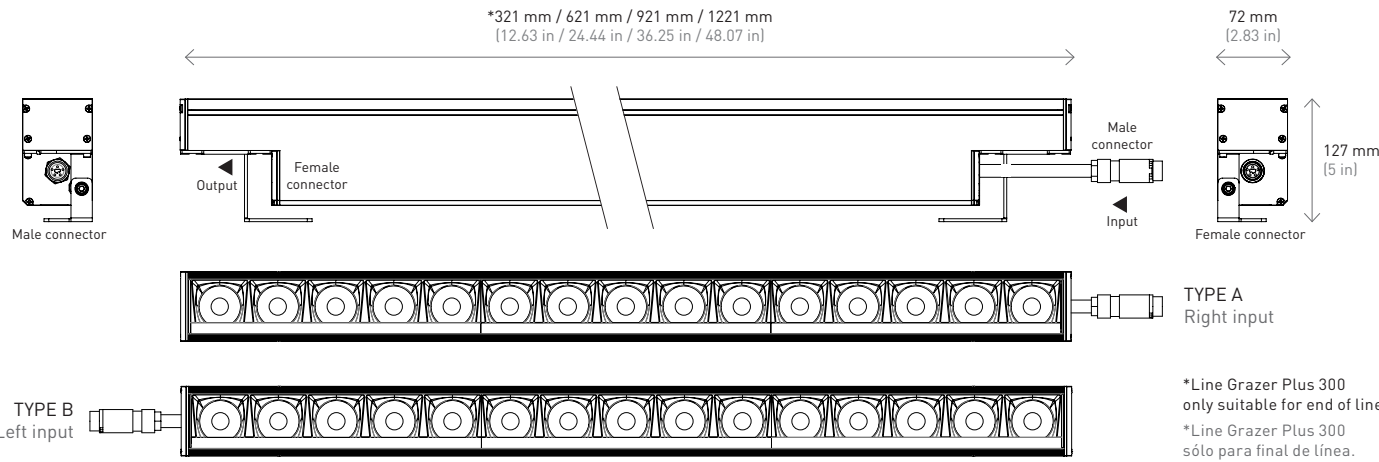
Color temperature conform to ANSI C78.377A.

Temperatura de color según normativa ANSI C78.377A.

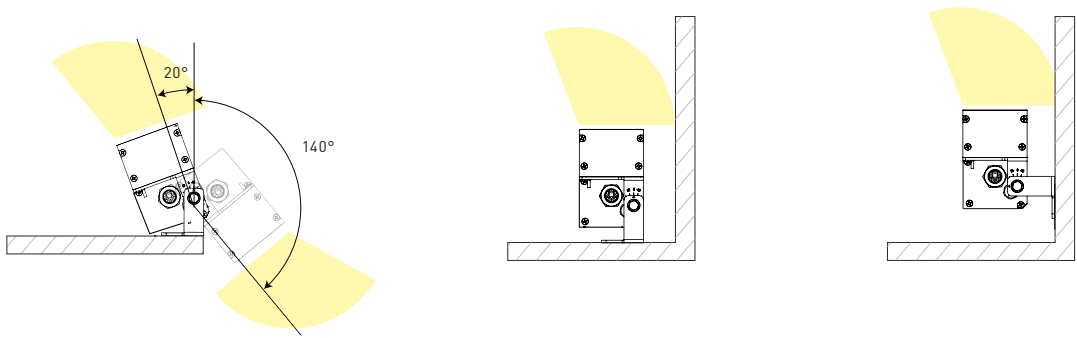


LINE GRAZER PLUS

MEASURES MEDIDAS



ROTATION ROTACIÓN



LIGHT DISTRIBUTION CURVES FOTOMETRÍAS



Data calculated with **Line Grazer Plus (600 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 (600 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.

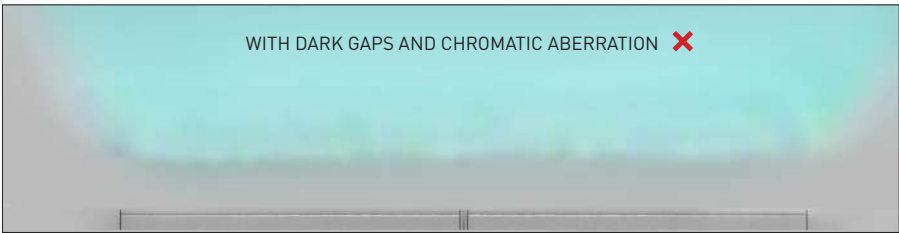


Micro textured corten.
Corten micro texturizado.

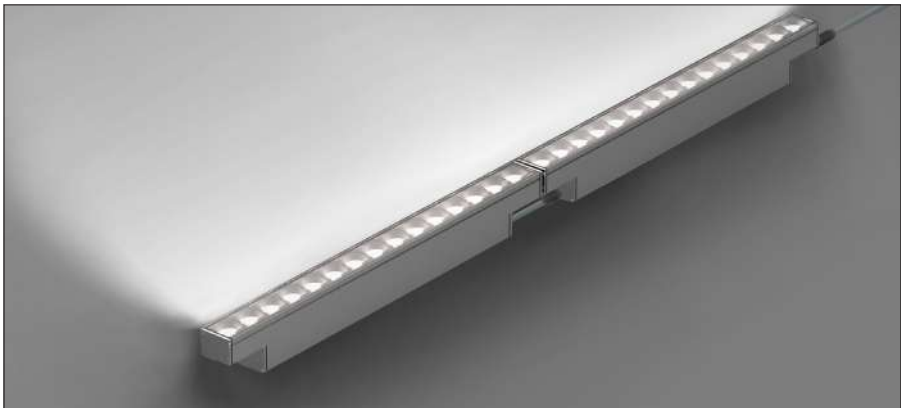


Micro textured stone.
Piedra micro texturizado.

DETAILS
DETALLES



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



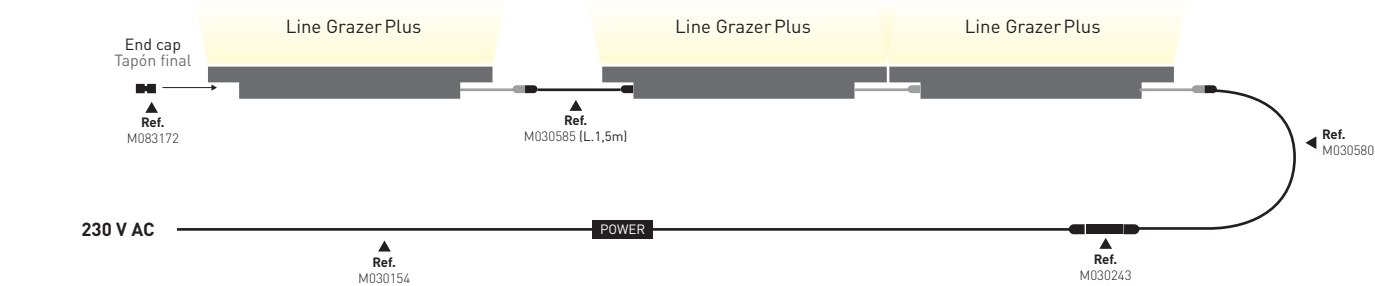
Flush wall washer.
Bañado de luz a ras de la luminaria.



Antiglare luminare.
Luminaria antideslumbrante.

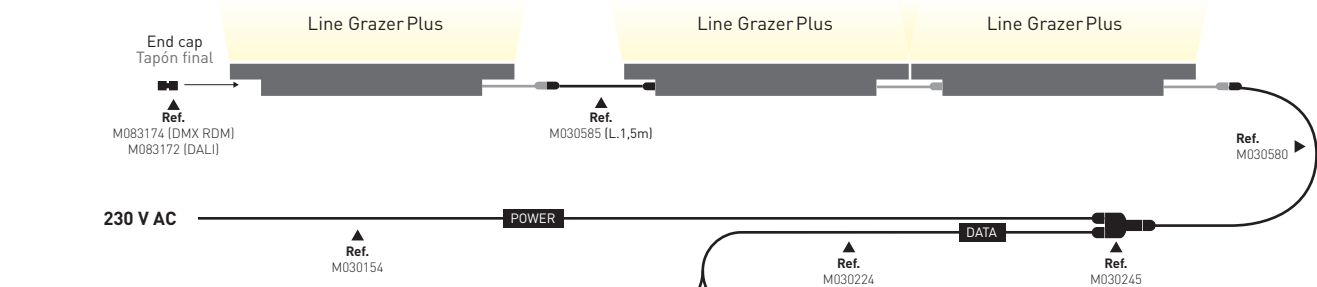
LINE GRAZER PLUS

MONOCOLOR ON-OFF CONNECTIONS CONEXIONES ON-OFF MONOCOLOR

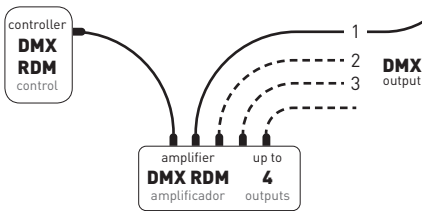


! Maximum 8 units of Line Grazer Plus per on-off connection
Máximo de 8 Line Grazer Plus por conexión on-off

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.

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 14x39° beam angle.

La versión estándar se suministra con:
DMX, soporte suelo-pared y un ángulo de apertura de 14x39°.

CONTROL CONTROL

on/off **(Monocolor)**
DMX RDM **(Standard)**
DALI

BEAM ÁNGULO

33°
14x39° **(Standard)**

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
M083172	End cap (female) On-off DALI		Tapón final (hembra) On-off DALI		
M083174	120 OHM end cap (5 poles-male) DMX RDM		Tapón final 120 OHM (5 polos-macho) DMX RDM		3
For electrical installation.			Para instalación eléctrica.		
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 do extensions cables			Para hacer extensiones de cables		
M083166	IP68 connector (5 poles-male)		Conector aéreo IP68 (5 polos-macho)		
M083173	End cap (male)		Tapón final (macho)		
M083167	IP68 connector (5 poles-female)		Conector aéreo 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)		

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Puerta del Carmen,
Zaragoza , Spain



Lighting Designer: Saltoki

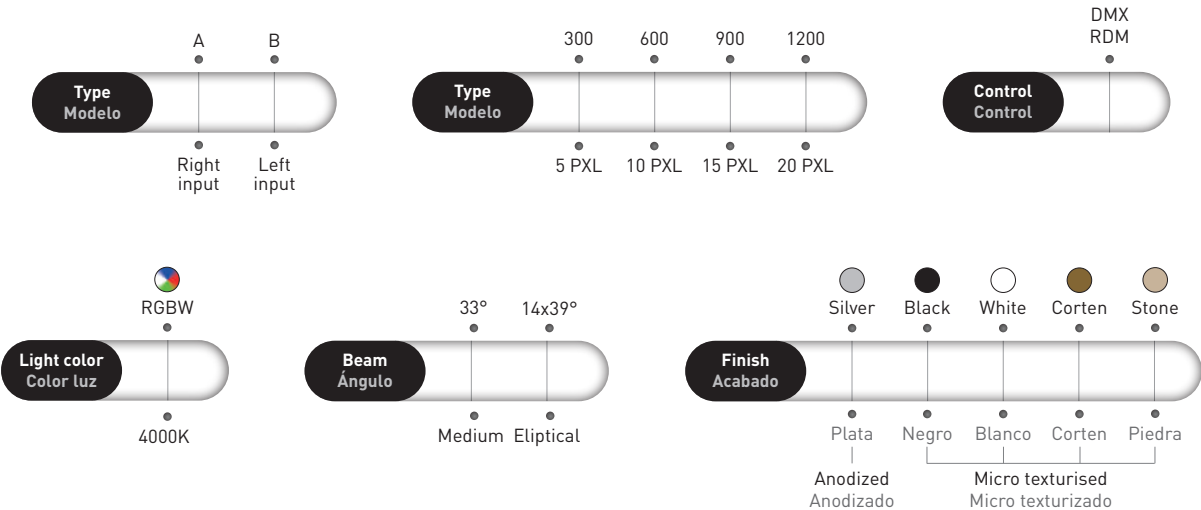


LINE GRAZER PLUS PIXEL



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 5000lm
 - Antiglare luminaire
 - Flush wall washer
 - 2 beam angles: 33° and 14x39°
 - Perfect color mixing
 - Easy serial connection
- Luminaria lineal controlable píxel a píxel para aplicaciones interactivas
 - Luminaria personalizable cada 1, 2, 4, 5 o 10 píxeles
 - Bañador de paredes potente hasta 10m
 - Lumens output hasta 5000lm
 - Luminaria antideslumbrante
 - Bañado de luz a ras de la luminaria
 - 2 ángulos de apertura: 33° y 14x39°
 - 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 14x39° beam angle.
La versión estándar se suministra con DMX RDM, controlable píxel a píxel, con soporte suelo-pared y un ángulo de apertura de 14x39°.

SPECIFICATIONS CARACTERÍSTICAS



100-277V
AC

IP66

IK09

CRI 80

DMX
RDM

AL
Housing

Security
GLASS
Cover

L80 B10
>70.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +50°C
max +122°F



Line Grazer PLUS PIXEL 1200

Power	96 W (20 PIXELS)				
Color temperature	RGBW				
		Red	Green	Blue	4000K
Lumens output	33° - 14x39° -	920 lm 966 lm	1522 lm 1598 lm	698 lm 732 lm	1644 lm 1726 lm
Luminaire efficiency	53 lm/W				
Measures / Weight	1221 x 127 x 72 mm / 8 kg				

Line Grazer PLUS PIXEL 900

Power	70,5 W (15 PIXELS)				
Color temperature	RGBW				
		Red	Green	Blue	4000K
Lumens output	33° - 14x39° -	690 lm 725 lm	1142 lm 1199 lm	524 lm 549 lm	1233 lm 1295 lm
Luminaire efficiency	53 lm/W				
Measures / Weight	921 x 127 x 72 mm / 6,1 kg				

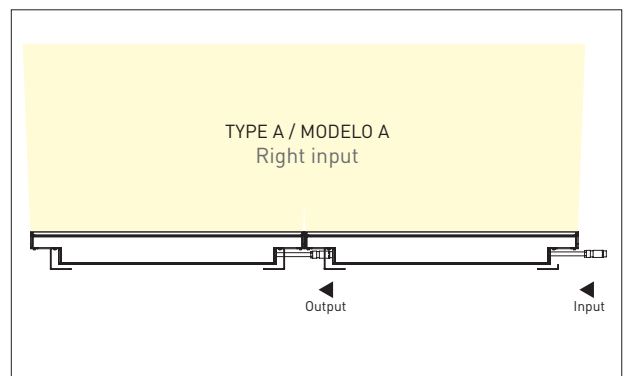
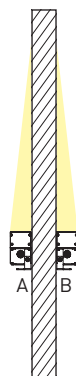
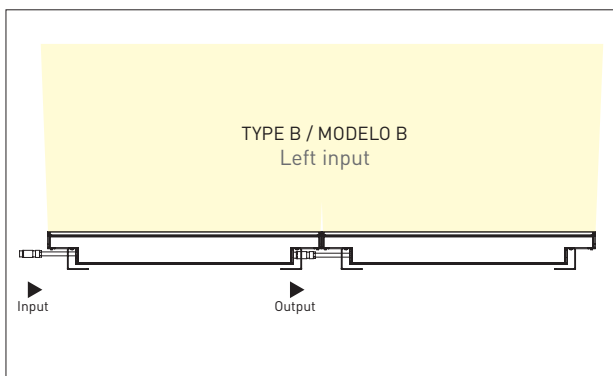
Line Grazer PLUS PIXEL 600

Power	47W (10 PIXELS)				
Color temperature	RGBW				
		Red	Green	Blue	4000K
Lumens output	33° - 14x39° -	460 lm 483 lm	761 lm 799 lm	349 lm 366 lm	822 lm 863 lm
Luminaire efficiency	53 lm/W				
Measures / Weight	621 x 127 x 72 mm / 4 kg				

Line Grazer PLUS PIXEL 300

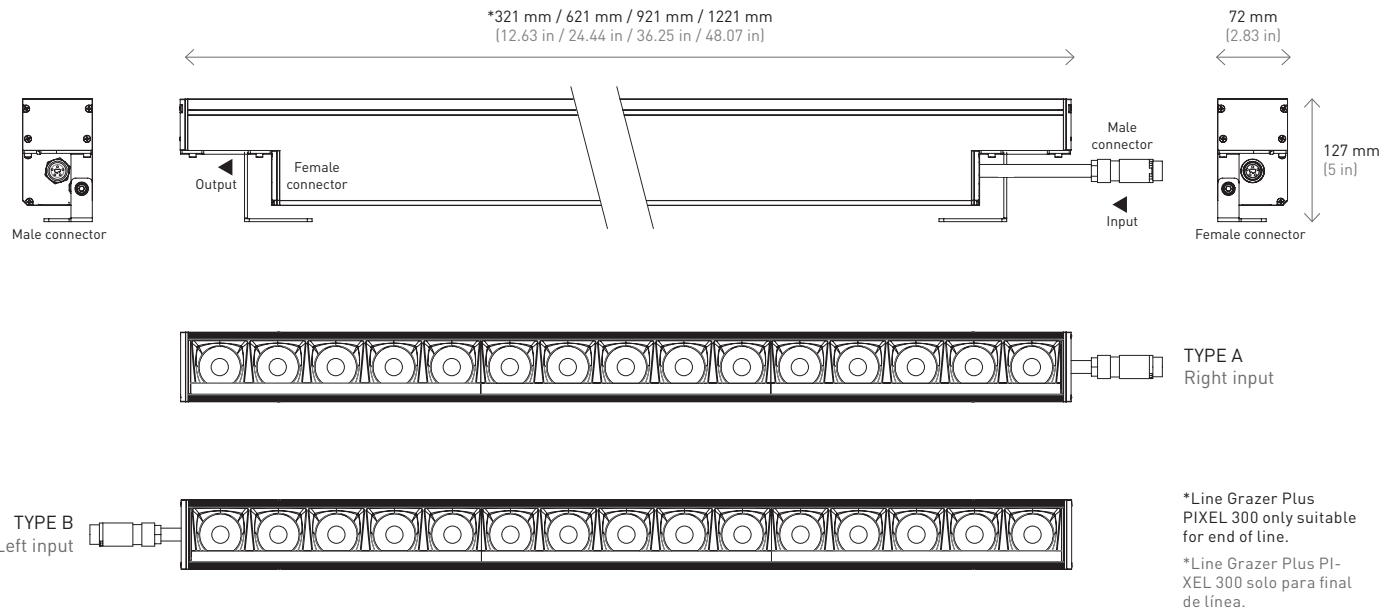
Power	23,5 W (5 PIXELS)				
Color temperature	RGBW				
		Red	Green	Blue	4000K
Lumens output	33° - 14x39° -	230 lm 242 lm	381 lm 400 lm	175 lm 183 lm	411 lm 432 lm
Luminaire efficiency	53 lm/W				
Measures / Weight	321 x 127 x 72 mm / 1,9 kg				

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

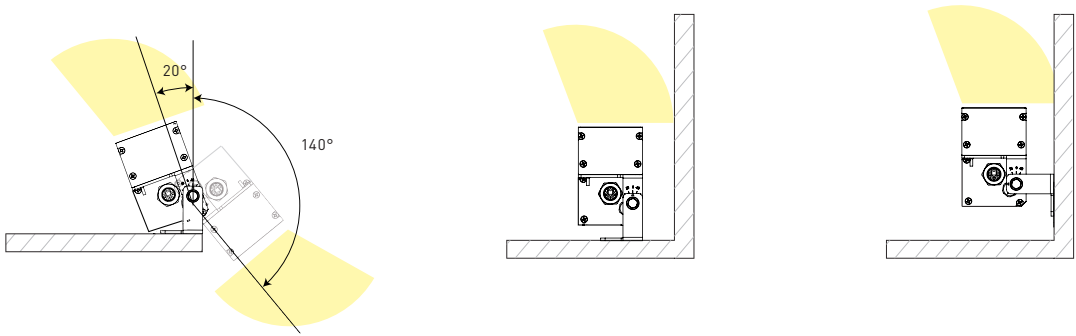


LINE GRAZER PLUS PIXEL

MEASURES MEDIDAS



ROTATION ROTACIÓN

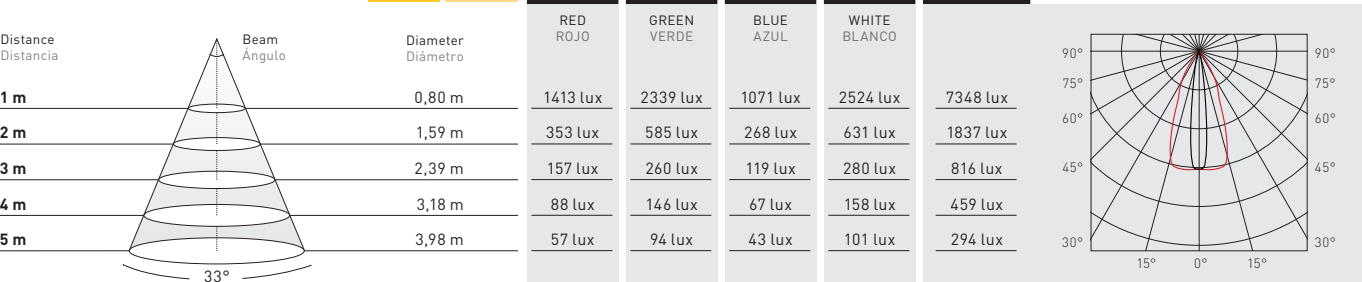


LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Line Grazer Plus PIXEL RGBW

47W

33°



Data calculated with **Line Grazer Plus PIXEL (600 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 (600 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



Controllable pixel by pixel
Controlable píxel a píxel



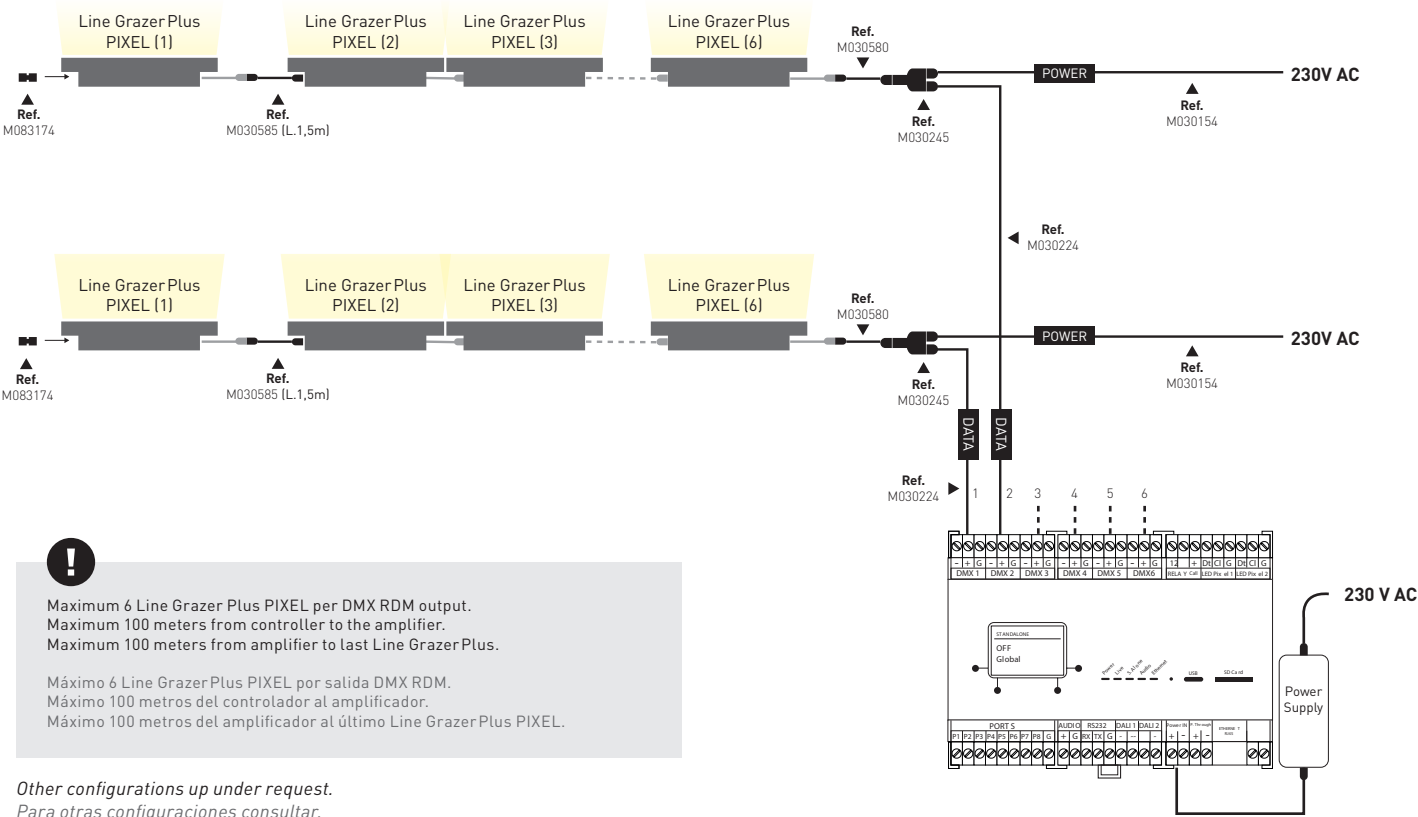
Controllable each two pixels
Controlable cada 2 píxeles



Controllable each five pixels
Controlable cada 5 píxeles

LINE GRAZER PLUS PIXEL

CONNECTIONS CONEXIONES



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

REFERENCES REFERENCIAS

75511	X	X	/XX/XX
		COLOR	COLOR
		/11-4K	RGBW
		TYPE	MODELO
		1	300*
		2	600
		3	900
		4	1200
		6	300*
		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.

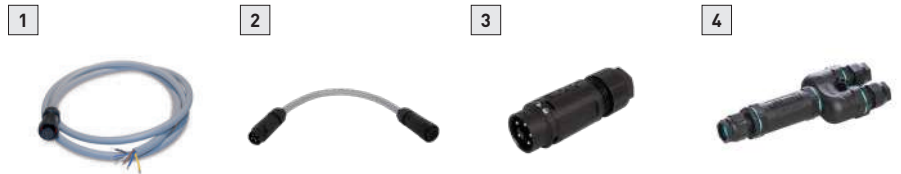
OPTIONS OPCIONES

The standard version is delivered with:
DMX RDM, controllable pixel by pixel, with floor-wall bracket and 14x39° beam angle.

La versión estándar se suministra con:
DMX RDM, controlable píxel a píxel, con soporte suelo-pared y un ángulo de apertura de 14x39°.

BEAM	ÁNGULO
33°	
14x39°	(Standard)

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
For electrical installation.		Para instalación eléctrica.	
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 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030224	BELDEN 3105A cable (m)	Cable BELDEN 3105A (m)	
To do extensions cables		Para hacer extensiones de cables	
M083166	IP68 connector (5 poles-male)	Conector aéreo IP68 (5 polos-macho)	
M083173	End cap (male)	Tapón final (macho)	
M083167	IP68 connector (5 poles-female)	Conector aéreo IP68 (5 polos-hembra)	
M083172	End cap (female)	Tapón final (hembra)	
M030400/C12	2 x AWG22 + 3 x 1,5 mm² cable (m)	Cable 2 x AWG22 + 3 x 1,5 mm² (m)	

Førde Town Hall,
Norway



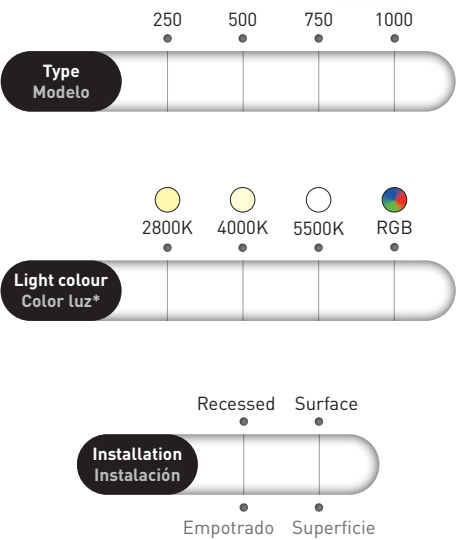


SLIM GROUND LINER



SLIM GROUND LINER

- Continuous light for paths and squares
 - Homogenous light without visible dots
 - Linear rigid body
 - Protection class IP67/IP68
 - Dimmable
 - Small dimensions
 - Easy serial connection
- Luz continua para calles y plazas
 - Luz lineal uniforme sin puntos
 - Cuerpo lineal rígido
 - Grado de protección IP67/IP68
 - 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



Slim Ground Liner 1000				
(with recessed box)				
Measures	1000 x 72 x 57 mm			
Weight	2,1 kg			
Color temperatures	2800K	4000K	5500K	RGB
Power	11,6 W	11,6 W	11,6 W	22 W
Lumens output	253 lm	270 lm	310 lm	275 lm
N° LEDs	120 LEDs	120 LEDs	120 LEDs	90 LEDs
Luminaire efficiency	32 lm/W	34 lm/W	39 lm/W	13 lm/W

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



Yen restaurant,
London, UK

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

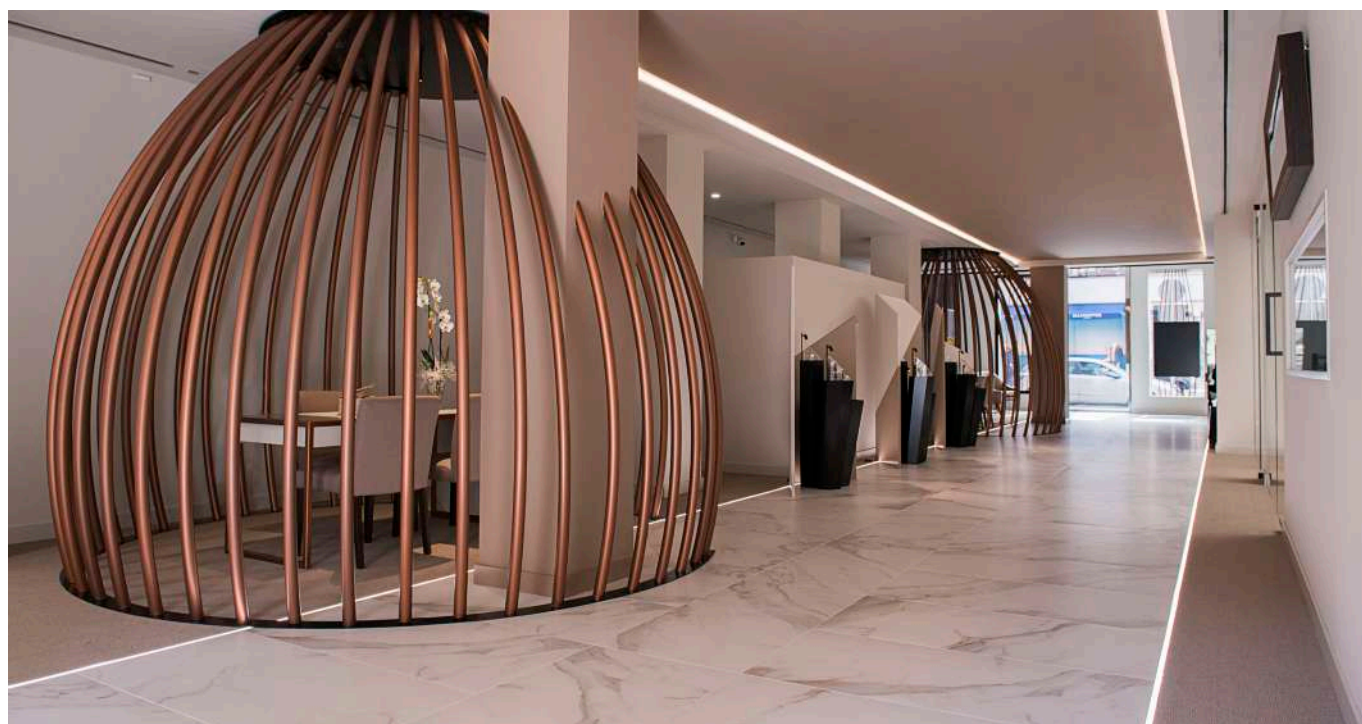
SLIM GROUND LINER

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	RGB
Power	8,7 W	8,7 W	8,7 W	Not available No disponible
N° LEDs	90 LEDs	90 LEDs	90 LEDs	
Lumens output	190 lm	203 lm	240 lm	
Luminaire efficiency	32 lm/W	34 lm/W	39 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	RGB
Power	5,8 W	5,8 W	5,8 W	11 W
N° LEDs	60 LEDs	60 LEDs	60 LEDs	45 LEDs
Lumens output	125 lm	131 lm	153 lm	134 lm
Luminaire efficiency	31 lm/W	33 lm/W	39 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	RGB
Power	2,9 W	2,9 W	2,9 W	Not available No disponible
N° LEDs	30 LEDs	30 LEDs	30 LEDs	
Lumens output	62 lm	67 lm	78 lm	
Luminaire efficiency	31 lm/W	34 lm/W	39 lm/W	

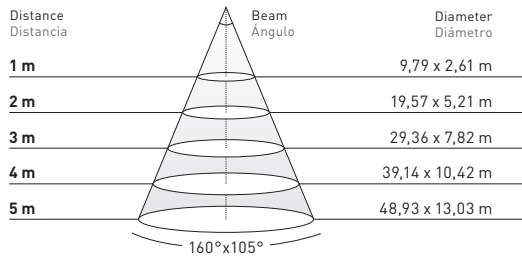


Siete Jewels Gallery,
Valencia, Spain

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Slim Ground Liner 1000

120 LEDs

2800K

 WARM WHITE
BLANCO CÁLIDO

57 lux

14 lux

6 lux

4 lux

2 lux

4000K

 NEUTRAL WHITE
BLANCO NEUTRO

61 lux

15 lux

7 lux

4 lux

2 lux

5500K

 COOL WHITE
BLANCO FRÍO

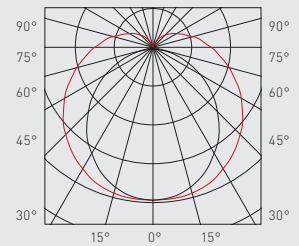
70 lux

18 lux

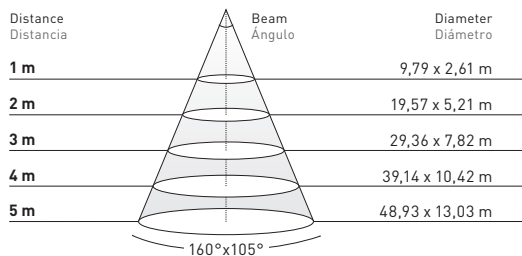
8 lux

4 lux

3 lux



Slim Ground Liner 750

90 LEDs

2800K

 WARM WHITE
BLANCO CÁLIDO

43 lux

11 lux

5 lux

3 lux

2 lux

4000K

 NEUTRAL WHITE
BLANCO NEUTRO

46 lux

11 lux

5 lux

3 lux

2 lux

5500K

 COOL WHITE
BLANCO FRÍO

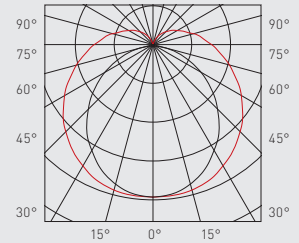
54 lux

14 lux

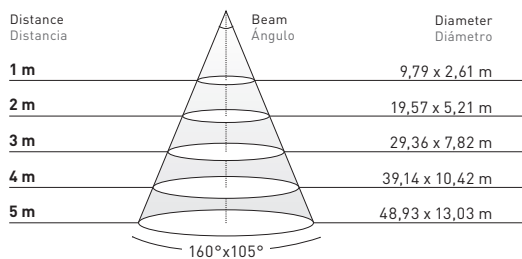
6 lux

3 lux

2 lux



Slim Ground Liner 500

60 LEDs

2800K

 WARM WHITE
BLANCO CÁLIDO

28 lux

7 lux

3 lux

2 lux

1 lux

4000K

 NEUTRAL WHITE
BLANCO NEUTRO

30 lux

7 lux

3 lux

2 lux

1 lux

5500K

 COOL WHITE
BLANCO FRÍO

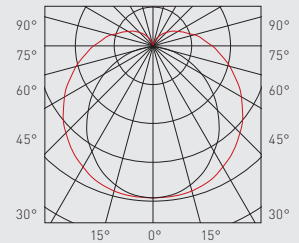
35 lux

9 lux

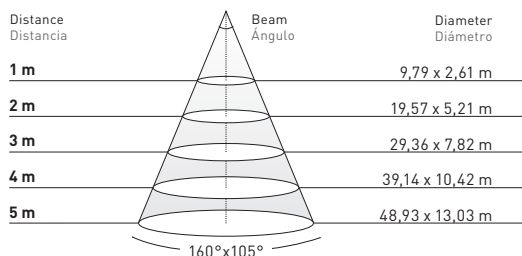
4 lux

2 lux

1 lux



Slim Ground Liner 250

30 LEDs

2800K

 WARM WHITE
BLANCO CÁLIDO

14 lux

4 lux

2 lux

1 lux

1 lux

4000K

 NEUTRAL WHITE
BLANCO NEUTRO

15 lux

4 lux

2 lux

1 lux

1 lux

5500K

 COOL WHITE
BLANCO FRÍO

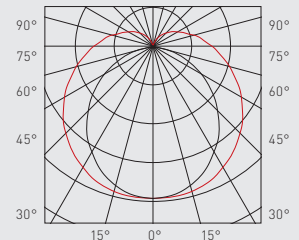
18 lux

4 lux

2 lux

1 lux

1 lux



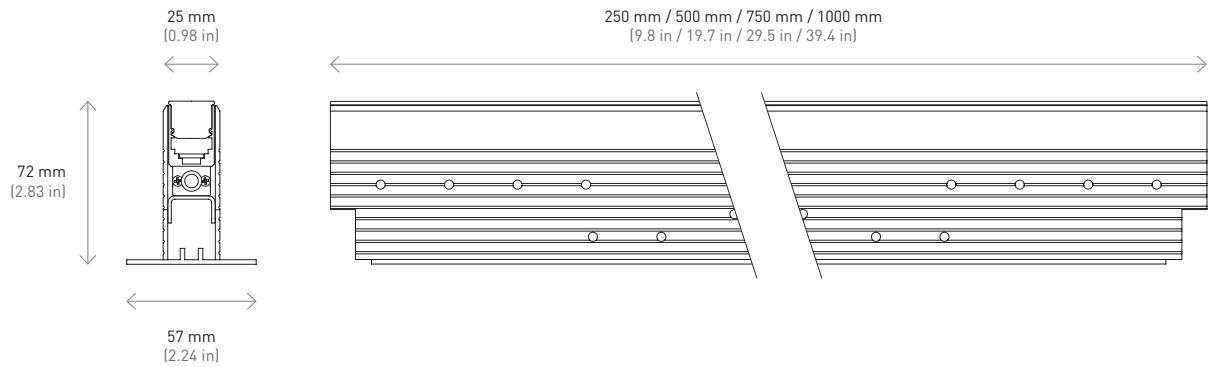
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.

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.

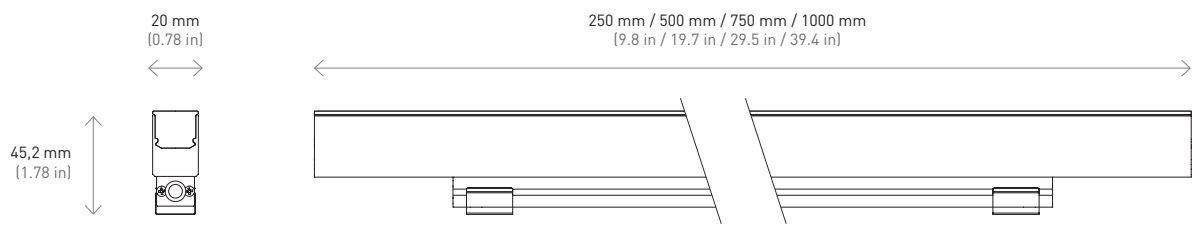
SLIM GROUND LINER

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



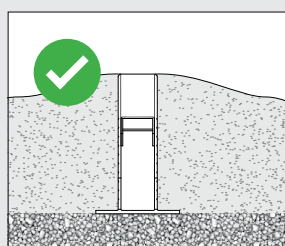
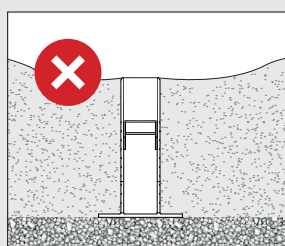
Strain-relief connector IP67/IP68.
Conector de retención IP67/IP68.



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.



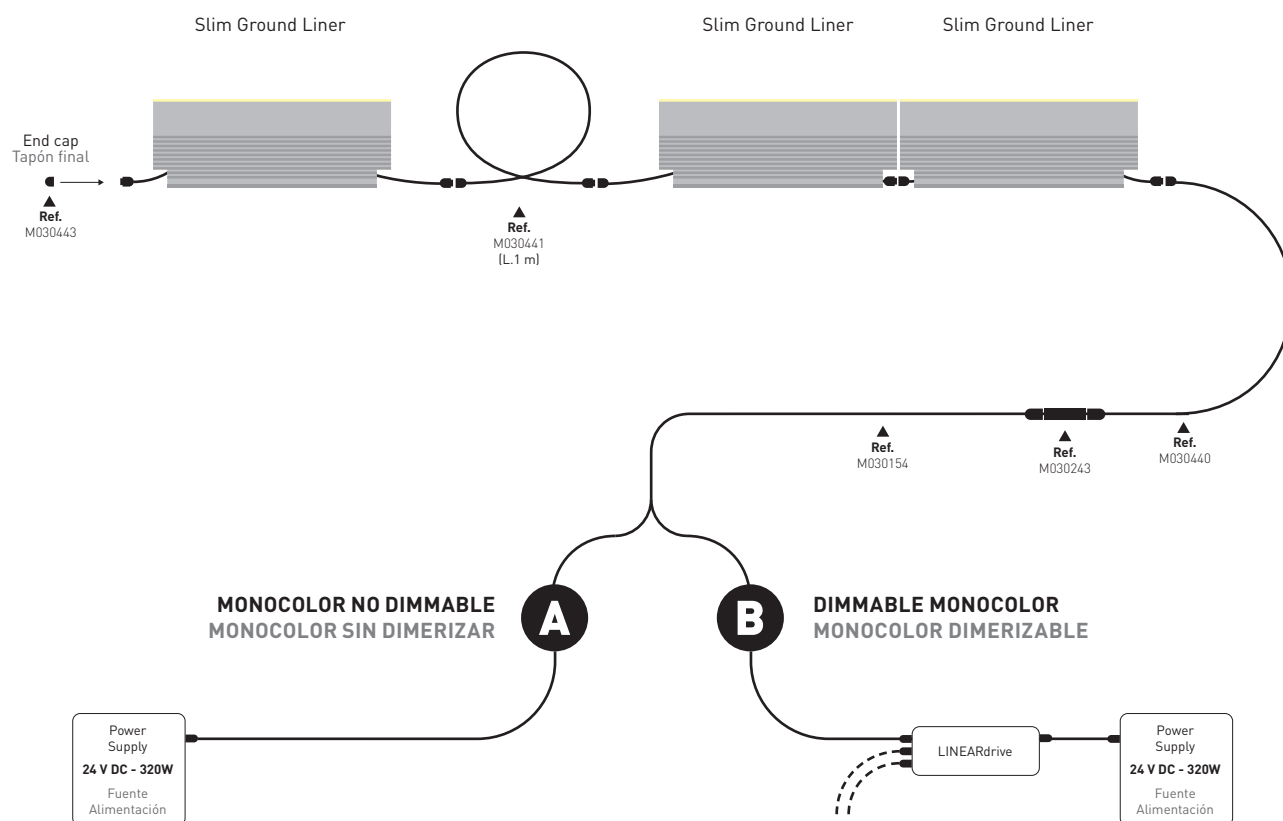
Temporarily
immersion
protection

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.

SLIM GROUND LINER

MONOCOLOR CONNECTIONS CONEXIONES MONOCOLOR



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 LED 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

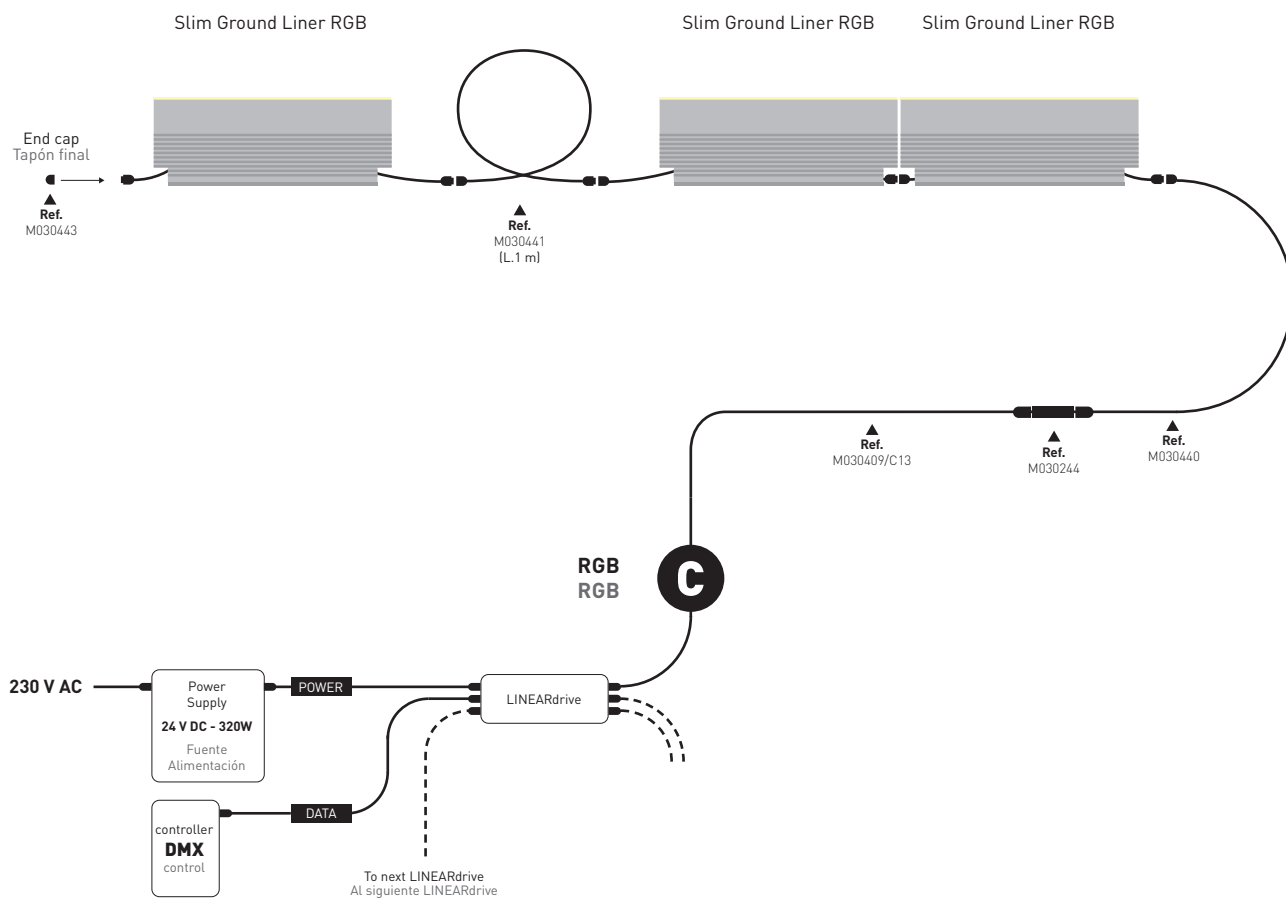
11,6 W/m



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.

RGB CONNECTIONS CONEXIONES RGB



C

CONTROLLABLE WITH LINEARdrive 720 CONTROLABLE CON LINEARdrive 720

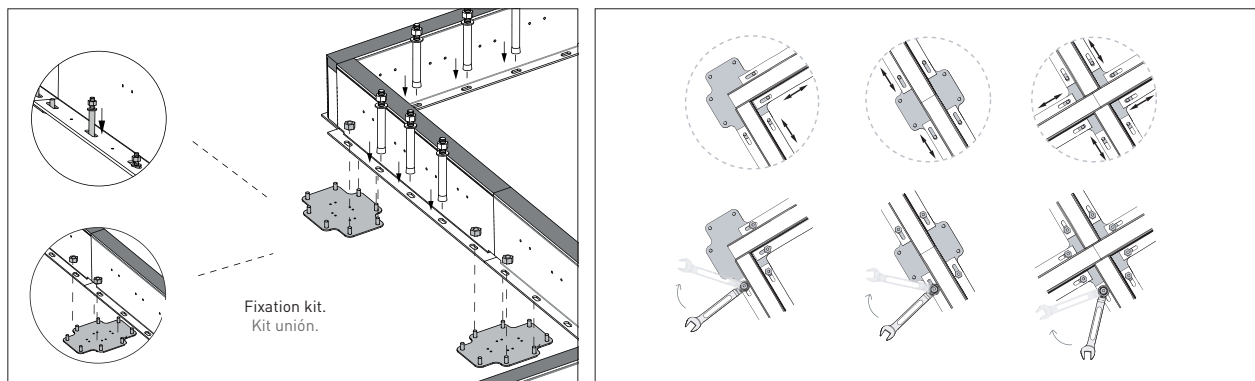
Maximum 4 Slim Ground Liner RGB 1000 mm per line.
Maximum 3 lines in parallel connection
(12 Slim Ground Liner RGB 1000 mm)
connected to LINEARdrive 720 (PSU 24 V DC - 320W).
Maximum 5 m from the power supply to the first Slim Ground Liner
RGB 1000 mm.
Follow connection diagram type C for DALI installations.

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

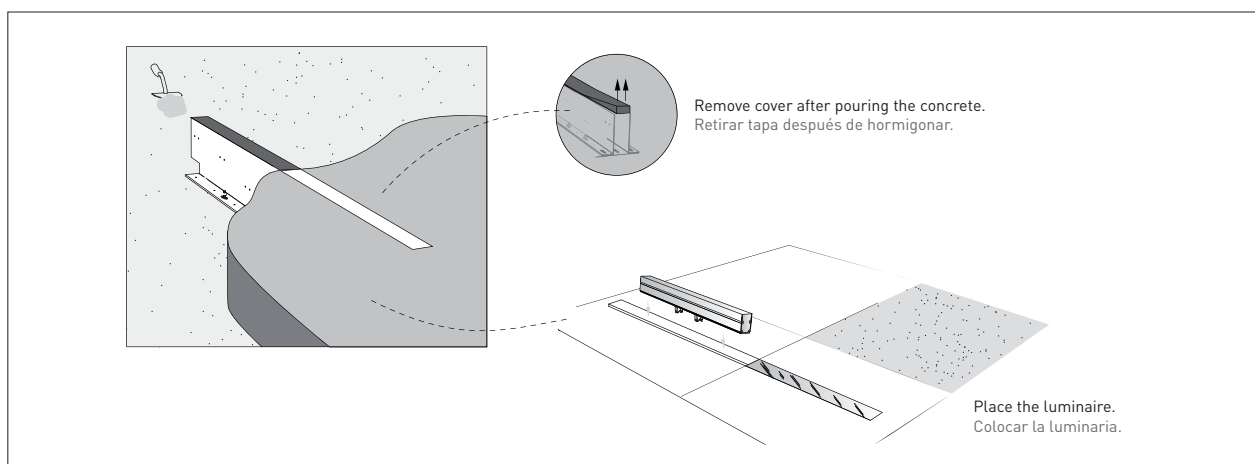
1

Recessed box installation.
Instalación cajetín.



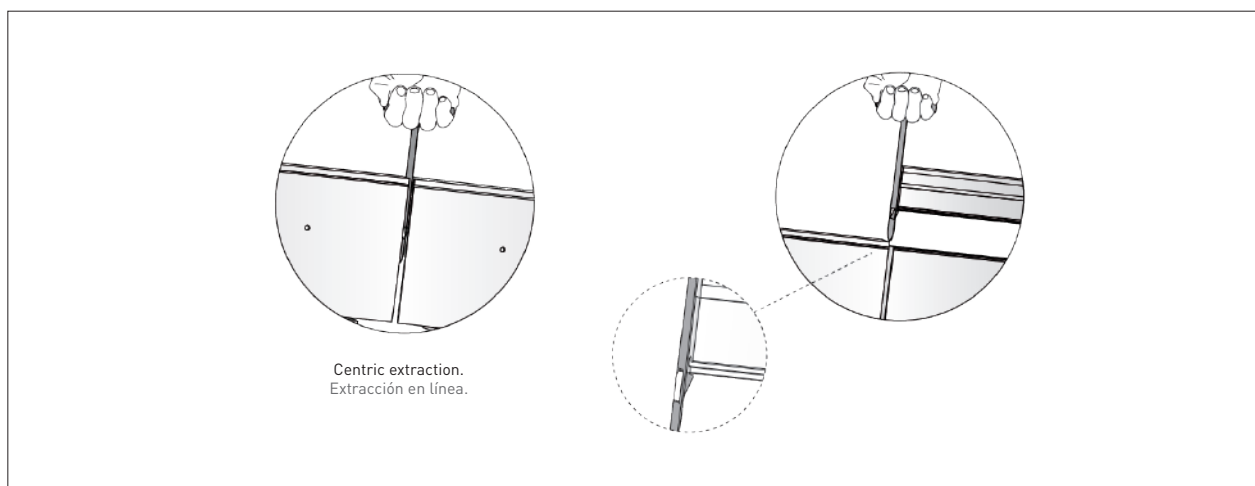
2

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
/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.

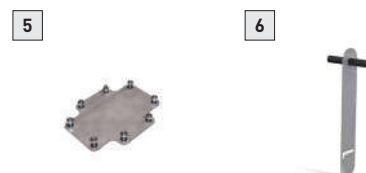
Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M030440	Power cable 70 cm	Cable alimentación 70 cm	1
M030441	Extension cable 1,50 m	Cable extensión 1,50 m	2
M030443	End cap	Tapón final	
For electrical installation.		Para instalación eléctrica.	
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 mm² H07RN-F cable (m) (monocolor)	Cable 3 x 1,5 mm² 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 mm² PUR cable (RGB)	Cable PUR 5 x 0,75 mm² (RGB)	
Accessories for surface installation.		Accesorios para instalación de superficie.	
M170023	Clip	Clip	

RECESSED BOX REFERENCES REFERENCIAS CAJETÍN DE EMPOTRAR



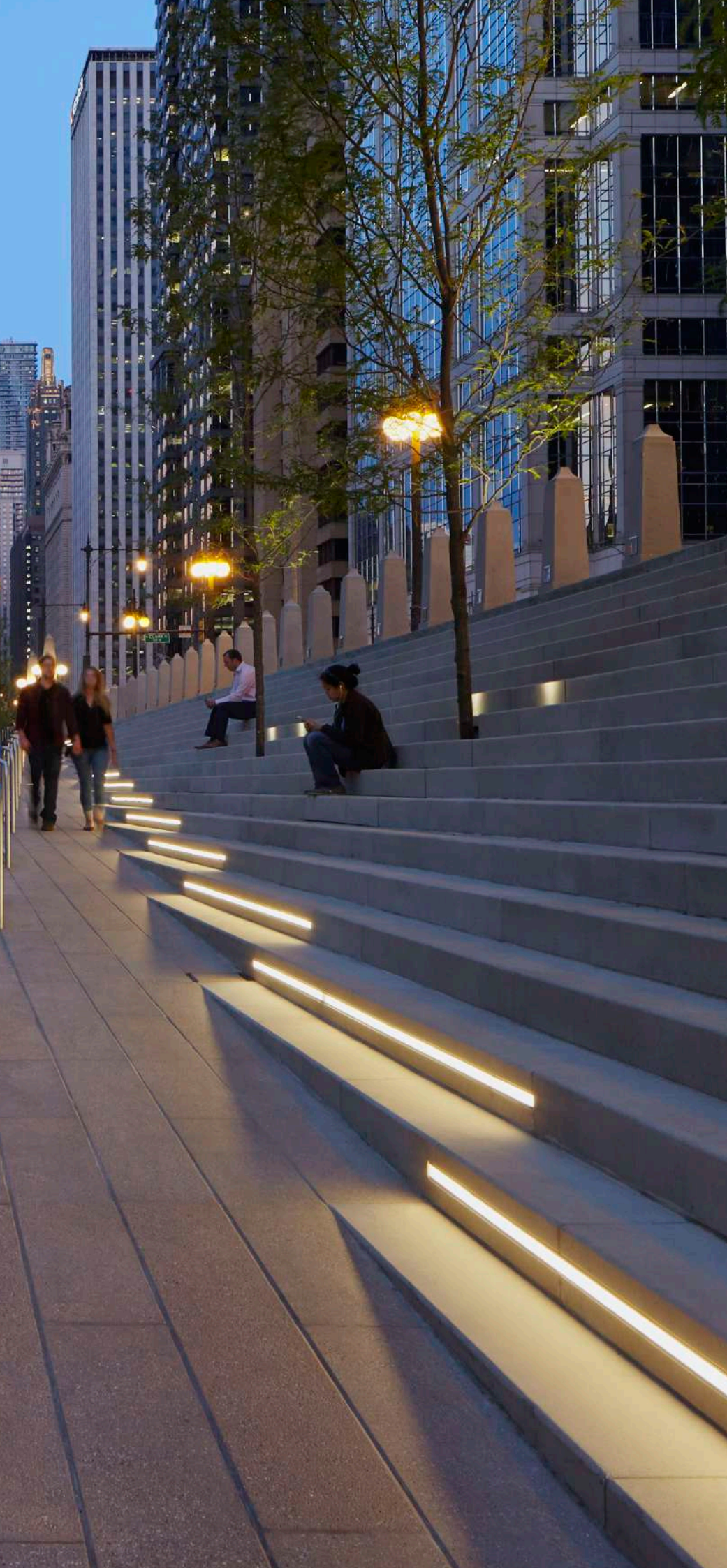
7101271/C12	Recessed box 1000 mm	Cajetín de empotrar 1000 mm	
7101272/C12	Recessed box 750 mm	Cajetín de empotrar 750 mm	
7101273/C12	Recessed box 500 mm	Cajetín de empotrar 500 mm	
7101274/C12	Recessed box 250 mm	Cajetín de empotrar 250 mm	
Accessories for recessed box installation.		Accesorios para 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 338
Para controlar las luminarias vía Bluetooth consultar página 338

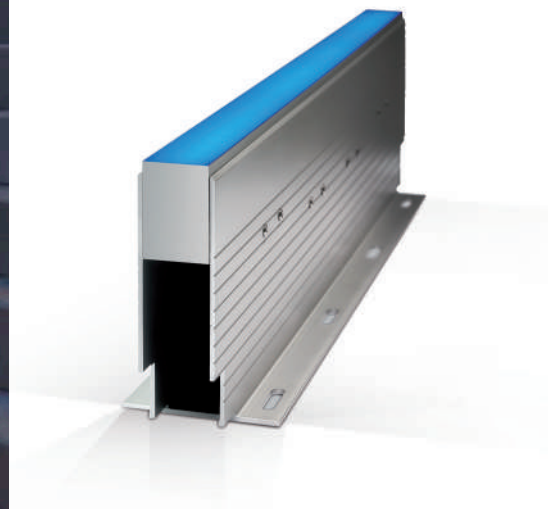
Power supplies page 342
Fuentes de alimentación página 342

Chicago Riverwalk,
USA





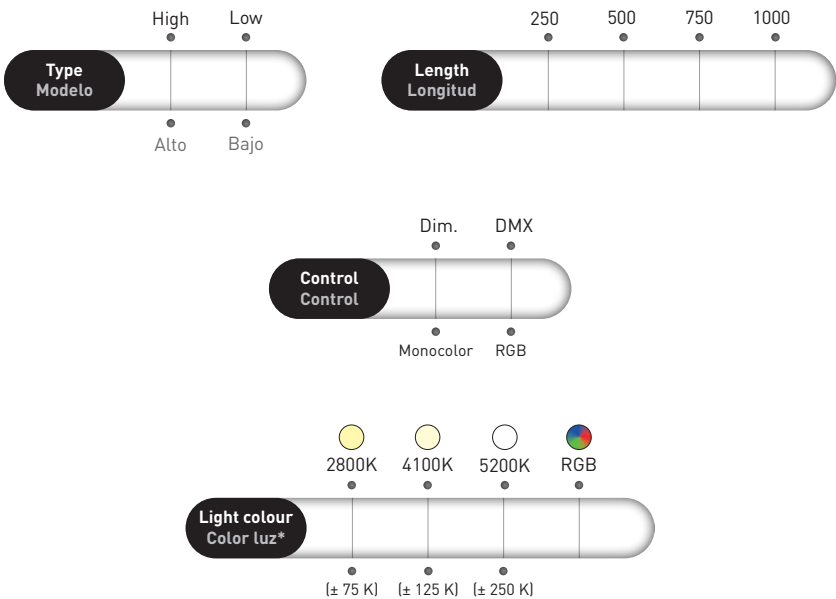
GROUND LINER



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 y 80 mm



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

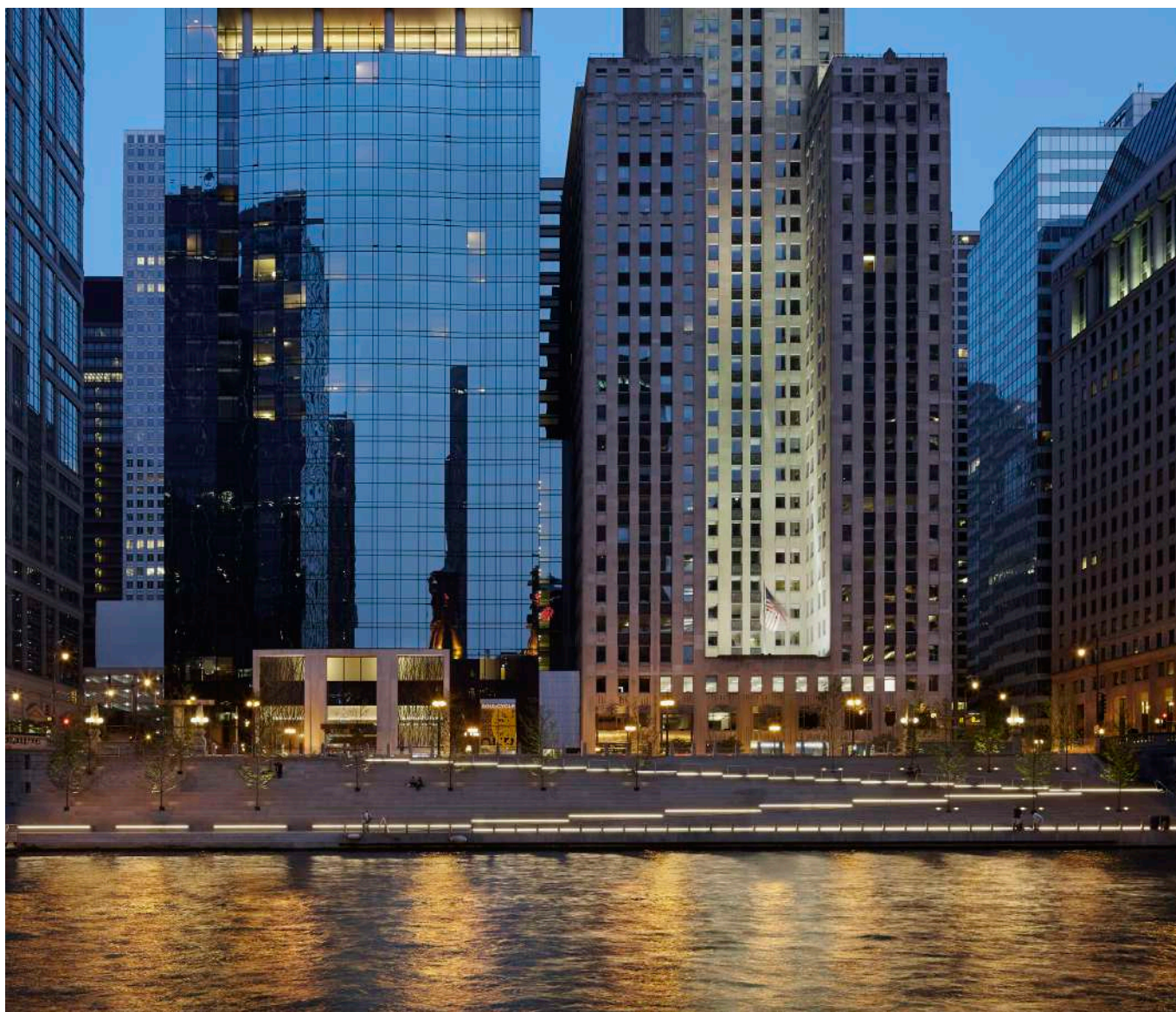
* Due to tolerances of the production process the color temperatures could change slightly.
Debido a las tolerancias del proceso de producción las temperaturas del color pueden cambiar ligeramente.

SPECIFICATIONS CARACTERÍSTICAS

	24V DC	IP66 IP68	IP67 IP68	IK10	30 kN	 Dimmable	AL Housing	PUR resin Cover	HEAT SHOCK tested	Saltwater resistant	L90 B10 >60.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	
		High recessed box	Low recessed box										

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	RGB
Power	15,36 W	15,36 W	15,36 W	17,3 W
Nº LEDs	80 LEDs	80 LEDs	80 LEDs	60 LEDs
Lumens output	450 lm	485 lm	531 lm	240 lm
Luminaire efficiency	29 lm/W	32 lm/W	35 lm/W	14 lm/W
Control type	Dim.	Dim.	Dim.	DMX 512-A

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



Chicago Riverwalk,
USA

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

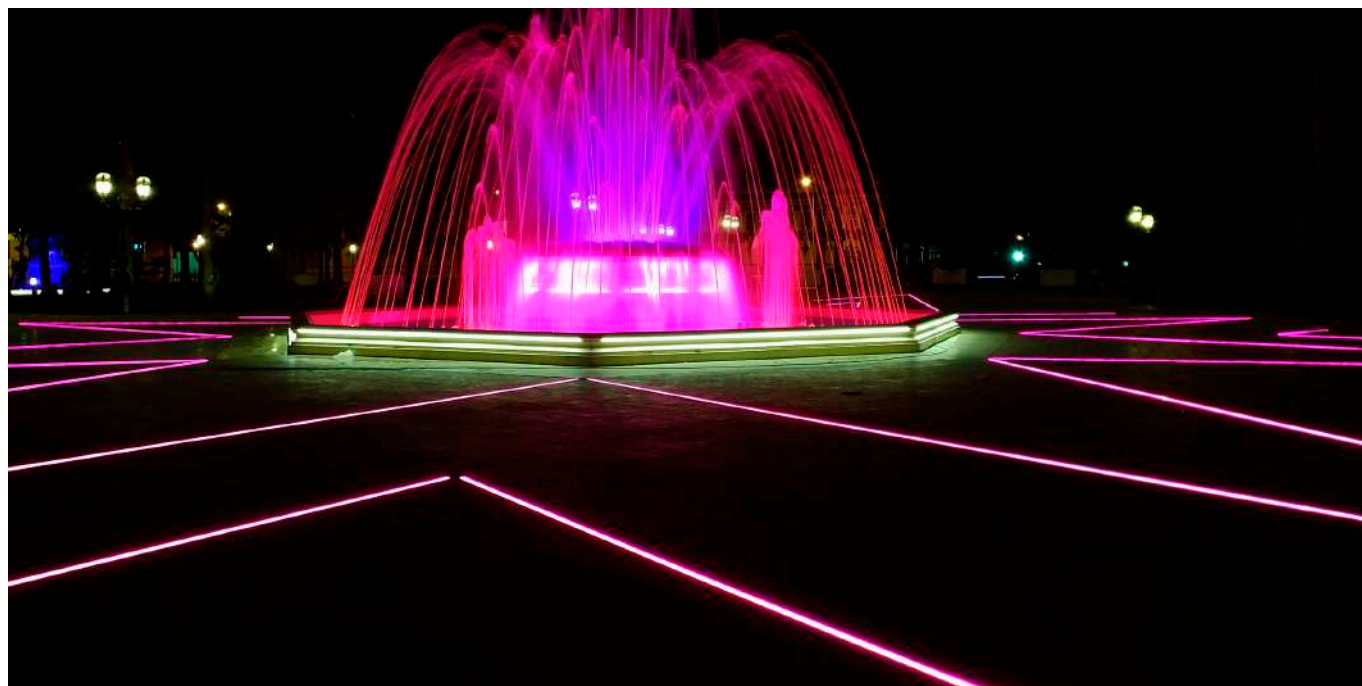
GROUND LINER

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	RGB
Power	11,52 W	11,52 W	11,52 W	Not available No disponible
Nº LEDs	60 LEDs	60 LEDs	60 LEDs	
Lumens output	330 lm	360 lm	395 lm	
Luminaire efficiency	28 lm/W	31 lm/W	34 lm/W	
Control type	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	RGB
Power	7,68 W	7,68 W	7,68 W	8,7 W
Nº LEDs	40 LEDs	40 LEDs	40 LEDs	30 LEDs
Lumens output	221 lm	241 lm	265 lm	120 lm
Luminaire efficiency	29 lm/W	31lm/W	35 lm/W	14 lm/W
Control type	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	RGB
Power	3,84 W	3,84 W	3,84 W	Not available No disponible
Nº LEDs	20 LEDs	20 LEDs	20 LEDs	
Lumens output	108 lm	119 lm	131 lm	
Luminaire efficiency	28 lm/W	31 lm/W	34 lm/W	
Control type	Dim.	Dim.	Dim.	



Bolívar Square,
Maracay, Venezuela

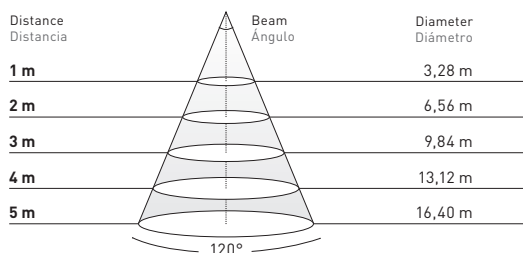
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

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

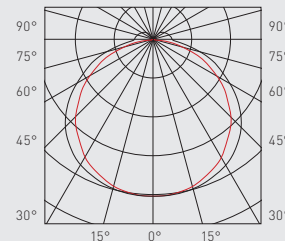
147 lux

37 lux

16 lux

9 lux

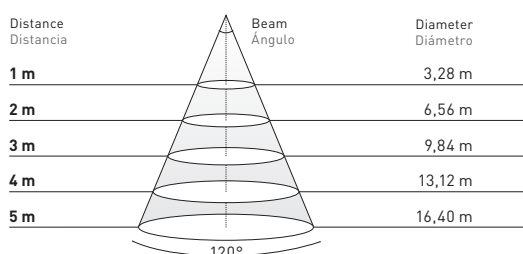
6 lux



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

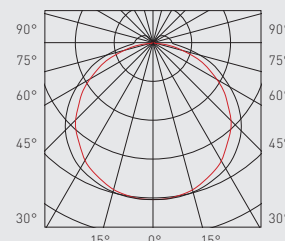
110 lux

27 lux

12 lux

7 lux

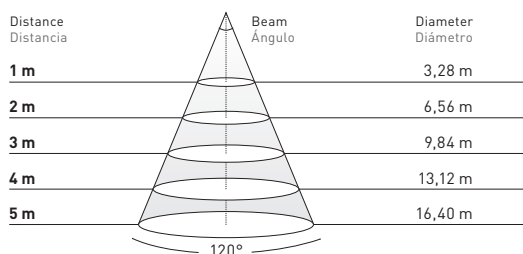
4 lux



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

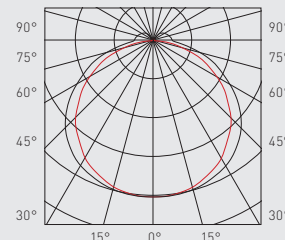
74 lux

18 lux

8 lux

5 lux

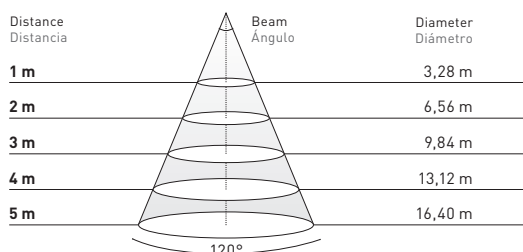
3 lux



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

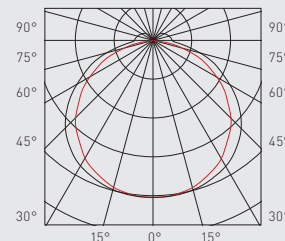
36 lux

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**.

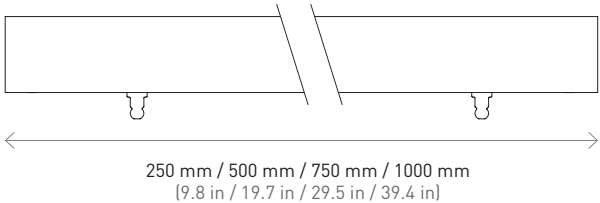
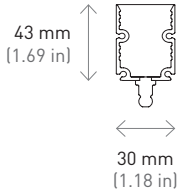
Fotometrías disponibles en www.mclight.com.

Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

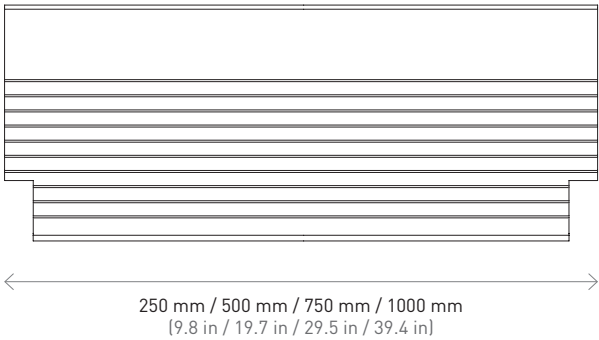
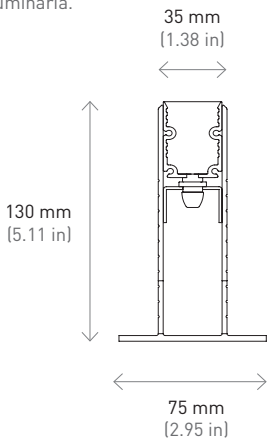
GROUND LINER

MEASURES MEDIDAS

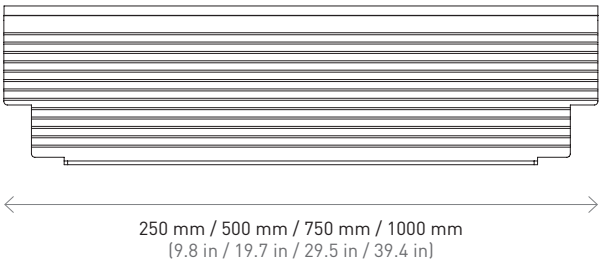
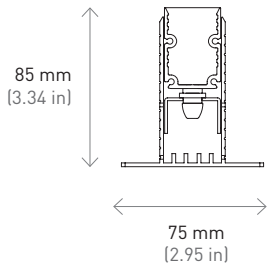
Ground Liner
Luminaire.
Luminaria.



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).



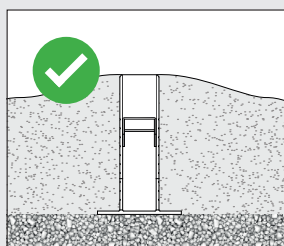
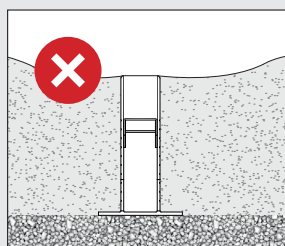
Monocolour IP66/IP68 connector for high recessed box.
Conector IP66/IP68 monocolor para cajetín de empotrar alto.



RGB and monocolour IP67/IP68 connector for low recessed box.
Conector IP67/IP68 RGB y monocolor para cajetín de empotrar bajo.



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



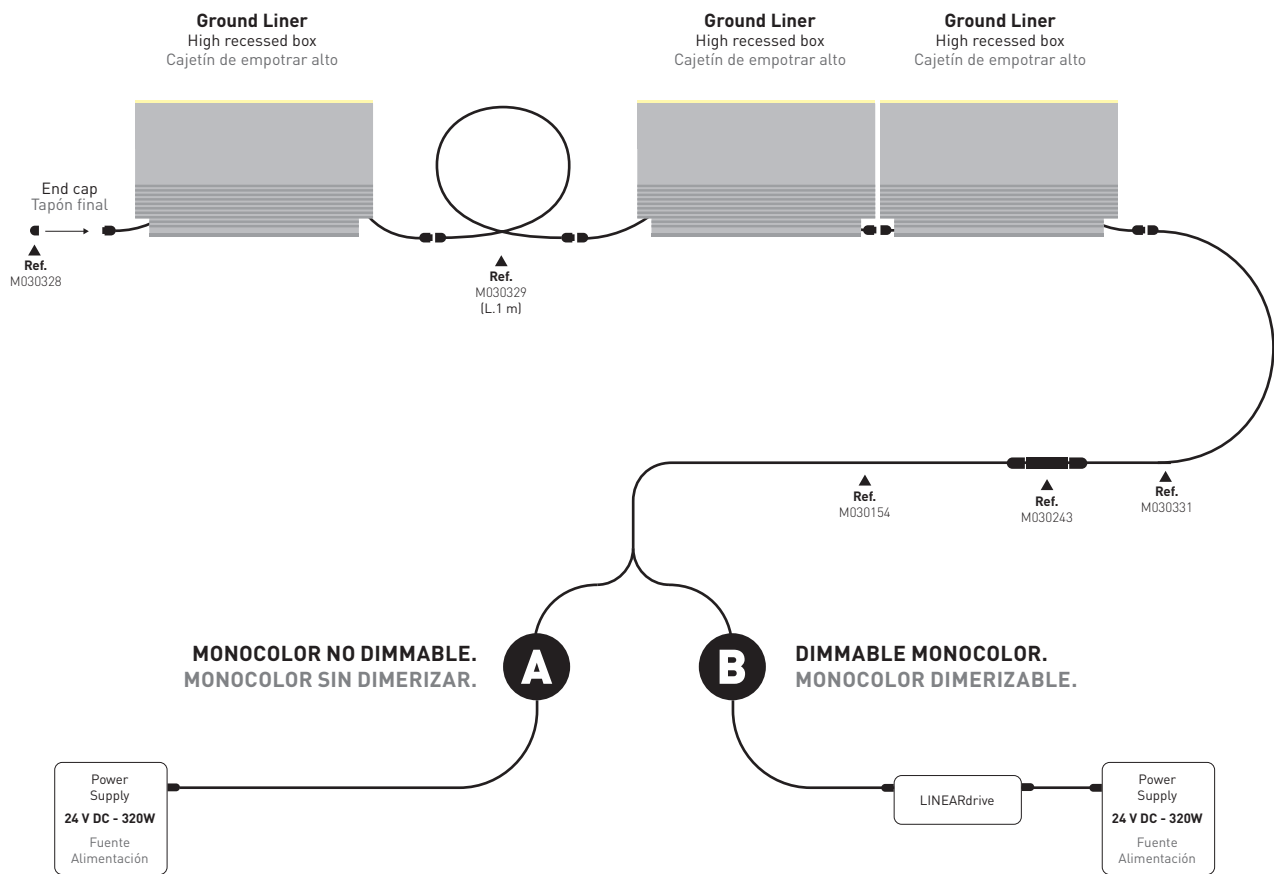
Temporarily
immersion
protection

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.

GROUND LINER

MONOCOLOR CONNECTIONS WITH HIGH RECESSED BOX CONEXIONES MONOCOLOR CON CAJETÍN 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.

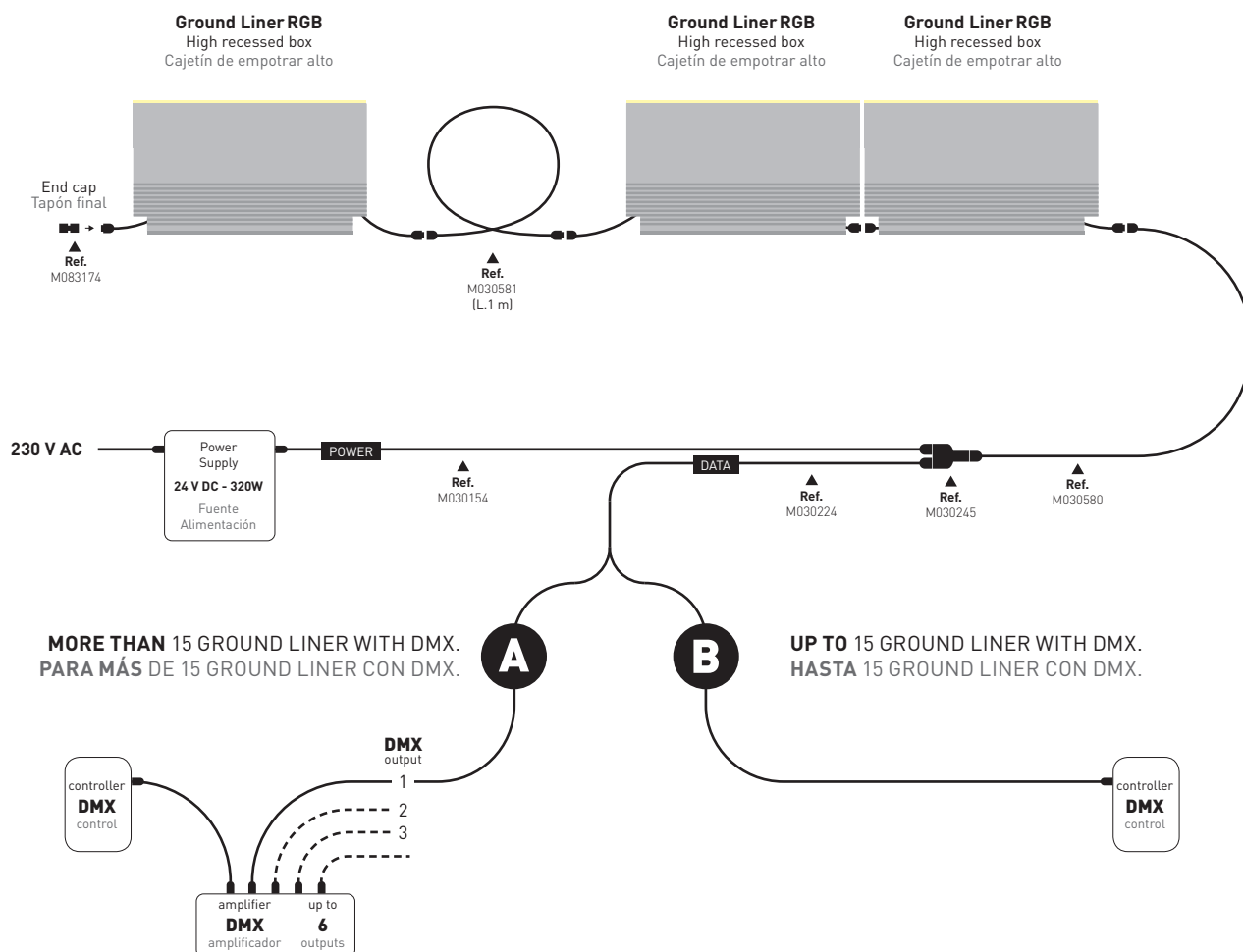
B

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.

RGB CONNECTIONS WITH HIGH RECESSED BOX CONEXIONES RGB CON CAJETÍN 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

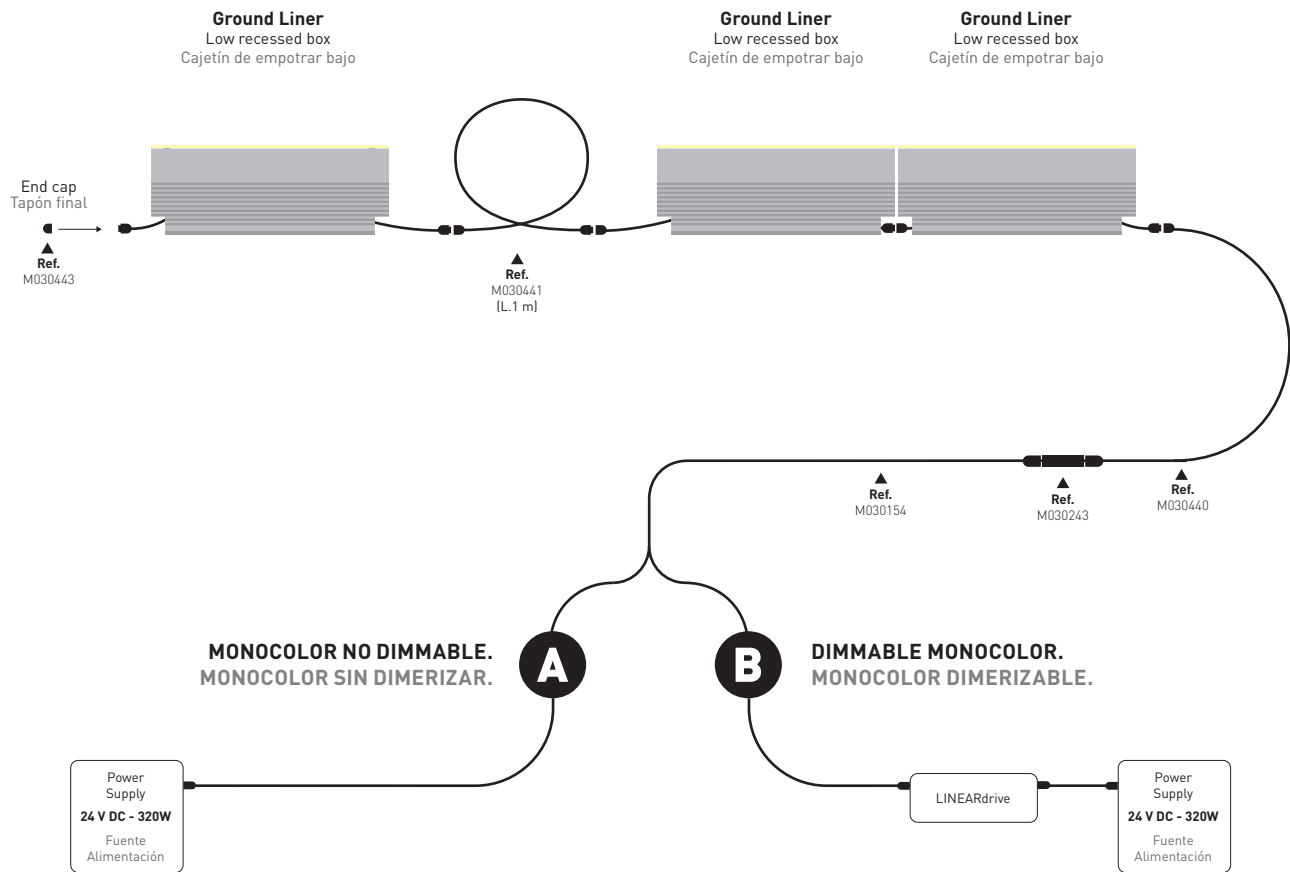
UP TO 15 GROUND LINER RGB WITH DMX 512-A. **HASTA 15 GROUND LINER RGB CON DMX 512-A.**

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.

GROUND LINER

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.

B

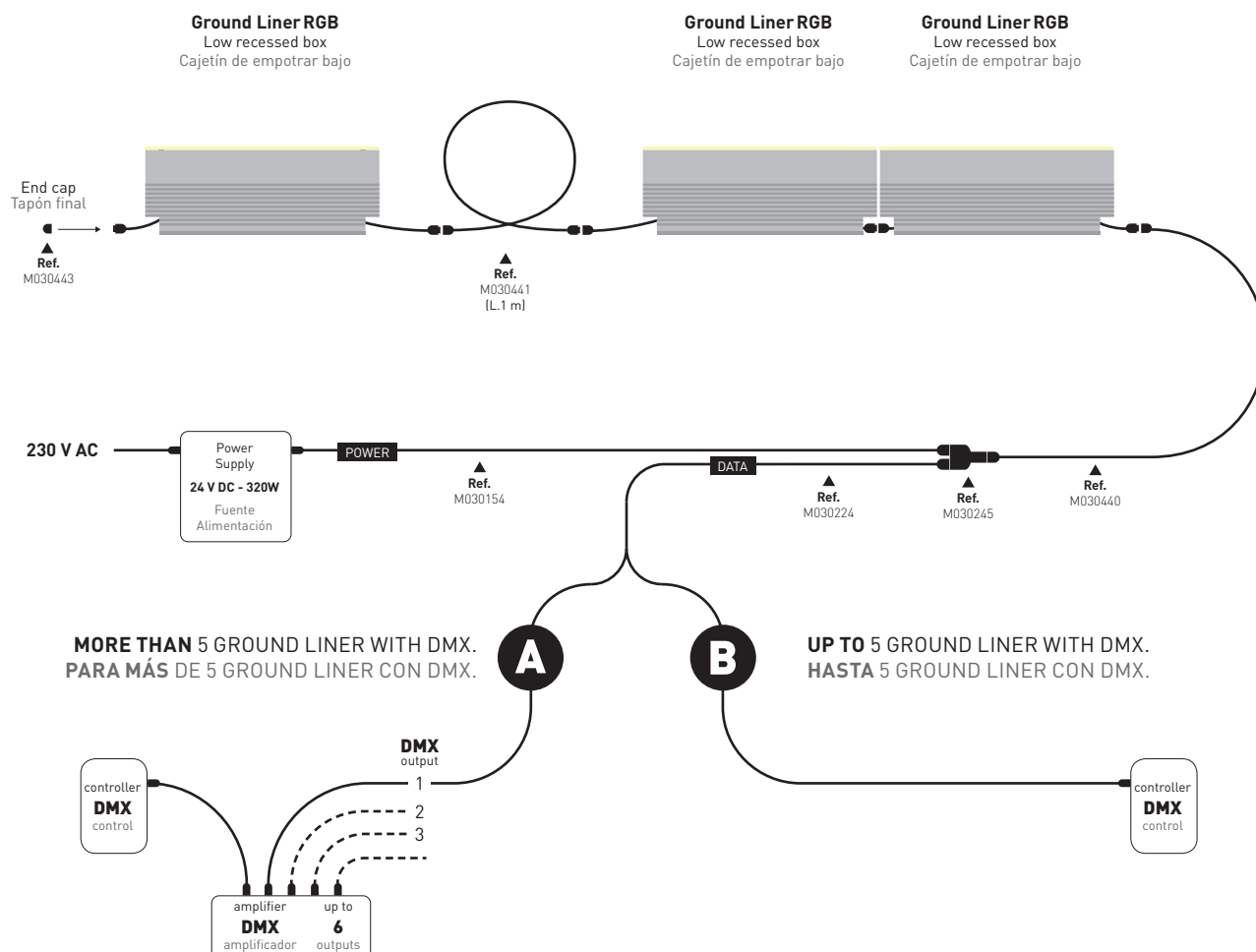
DIMMABLE WITH LINEARdrive 720 DIMERIZABLE CON LINEARdrive 720

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.

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

**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

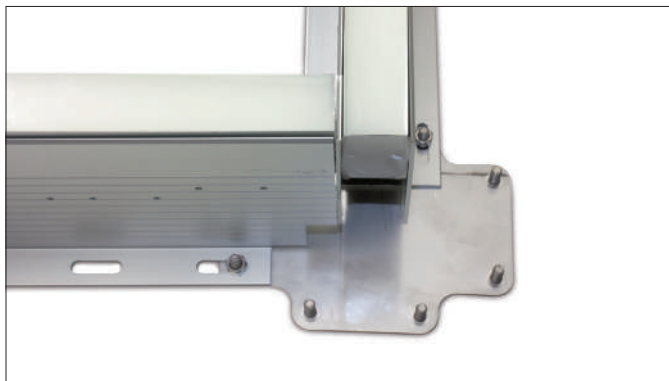
UP TO 5 GROUND LINER RGB WITH DMX. **HASTA 5 GROUND LINER RGB CON DMX.**

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.

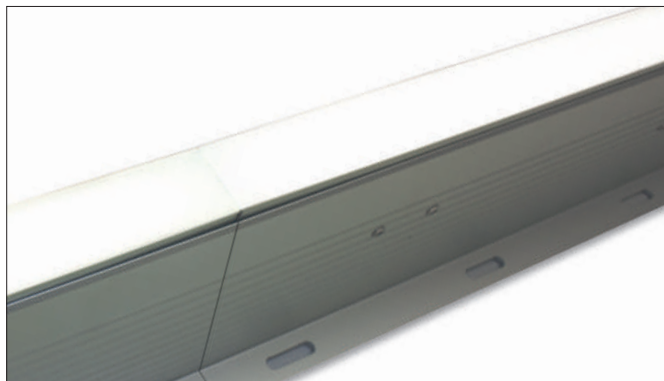
GROUND LINER

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.

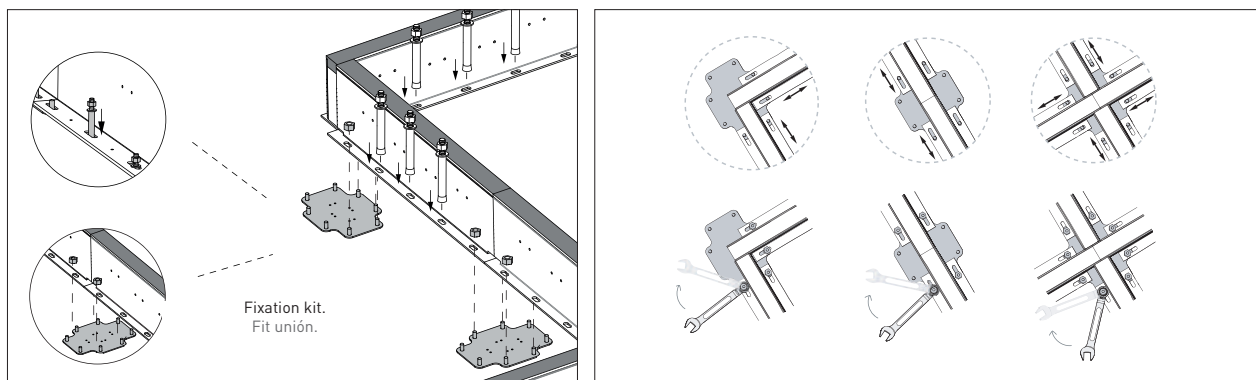


San Andrés Square,
Talavera de la Reina, SPAIN.

INSTALLATION INSTALACIÓN

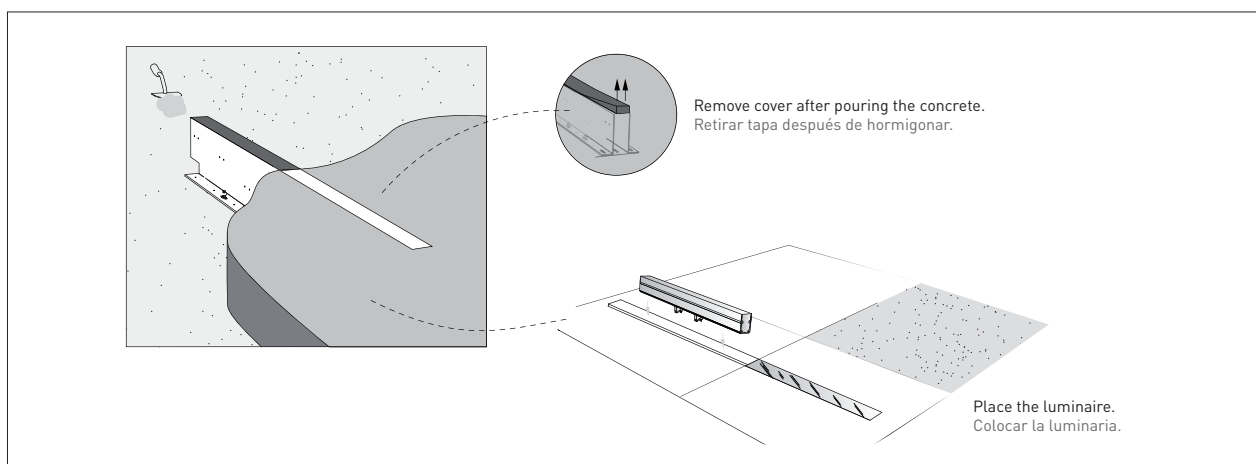
1

Recessed box installation.
Instalación cajetín.



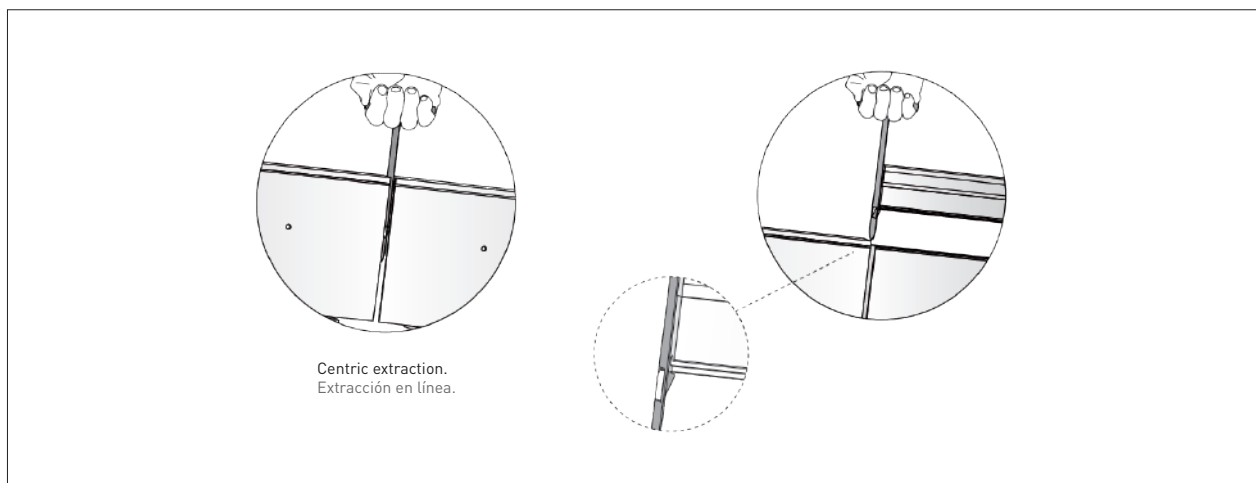
2

Concrete.
Hormigonado.



3

Extraction tool.
Útil de extracción.



GROUND LINER

REFERENCES REFERENCIAS

71011

X

X

/XX/XXX

COLOR

COLOR

/80/2K8

2800K

/80/4K1

4100K

/80/5K2

5200K

/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

1	2	3	4	5	6	7	8
							
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)			
M030440	Power cable 70 cm	Cable alimentación 70 cm					5
M030441	Extension cable 1,50 m	Cable extensión 1,50 m					6
M030443	End cap	Tapón final					
For electrical installation.				Para instalación eléctrica.			
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 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					

RECESSED BOX CAJETÍN DE EMPOTRAR

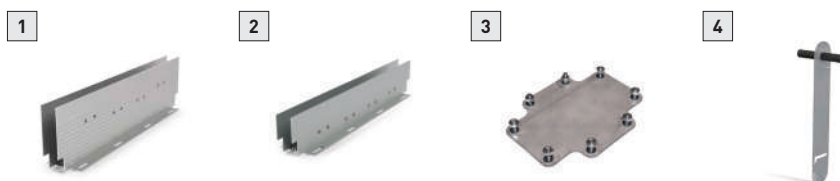


High recessed box (125 mm).
Cajetín de empotrar alto (125 mm).



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

Gran Vía 39,
Madrid, Spain



Lighting Designer: Saltoki

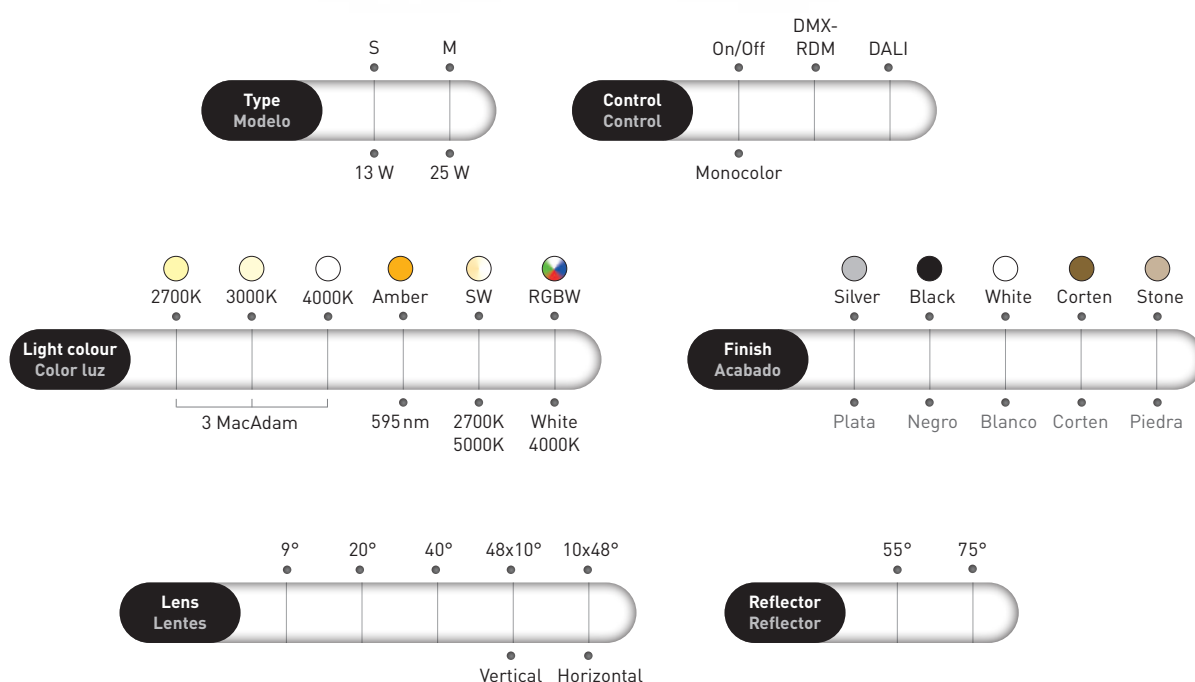


SQUARE S&M



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 rotatable (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



100-240V
AC

IP65

CRI>80

on/off

DMX
RDM

DALI

AL
Housing

Security
GLASS
Cover

L80 B10
>70.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +50°C
max +122°F



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	9° - 880 lm	9° - 978 lm	9° - 907 lm	9° - 569 lm / 670 lm	9° - 135 lm	135 lm	252 lm	91 lm	335 lm
	20° - 724 lm	20° - 767 lm	20° - 852 lm	20° - 796 lm	20° - 502 lm / 590 lm	20° - 119 lm	119 lm	221 lm	80 lm	295 lm
	40° - 652 lm	40° - 691 lm	40° - 768 lm	40° - 716 lm	40° - 452 lm / 532 lm	40° - 107 lm	107 lm	199 lm	81 lm	266 lm
	10x48° - 717 lm	10x48° - 760 lm	10x48° - 844 lm	10x48° - 785 lm	10x48° - 493 lm / 580 lm	10x48° - 117 lm	117 lm	218 lm	77 lm	290 lm
	55° - 768 lm	55° - 813 lm	55° - 903 lm	55° - 835 lm	55° - 525 lm / 618 lm	55° - 124 lm	124 lm	232 lm	82 lm	309 lm
Luminaire efficiency	65 lm/W	69 lm/W	77 lm/W	60 lm/W	83 lm/W	130 lm	130 lm	244 lm	86 lm	325 lm

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	9° - 1760 lm	9° - 1956 lm	9° - 1814 lm	9° - 1138 lm / 1340 lm	9° - 270 lm	270 lm	504 lm	182 lm	670 lm
	20° - 1448 lm	20° - 1534 lm	20° - 1704 lm	20° - 1592 lm	20° - 1004 lm / 1180 lm	20° - 238 lm	238 lm	442 lm	160 lm	590 lm
	40° - 1304 lm	40° - 1382 lm	40° - 1536 lm	40° - 1432 lm	40° - 904 lm / 1064 lm	40° - 214 lm	214 lm	398 lm	162 lm	532 lm
	10x48° - 1434 lm	10x48° - 1520 lm	10x48° - 1688 lm	10x48° - 1570 lm	10x48° - 986 lm / 1160 lm	10x48° - 234 lm	234 lm	436 lm	154 lm	580 lm
	55° - 1536 lm	55° - 1626 lm	55° - 1806 lm	55° - 1670 lm	55° - 1050 lm / 1236 lm	55° - 248 lm	248 lm	464 lm	164 lm	618 lm
Luminaire efficiency	66 lm/W	70 lm/W	78 lm/W	65 lm/W	84 lm/W	260 lm	260 lm	488 lm	172 lm	650 lm



Lighting Designer: Saltoki
Gran Vía 39
Madrid, Spain

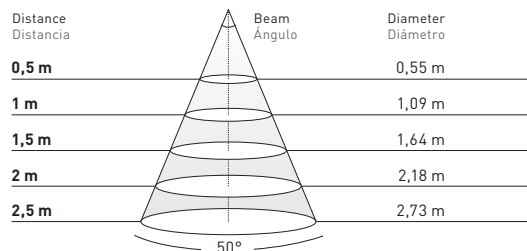


Caixa Rural Altea,
Alicante, Spain

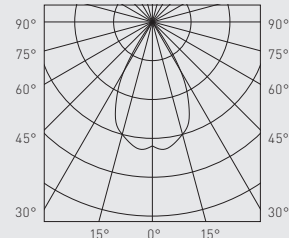
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

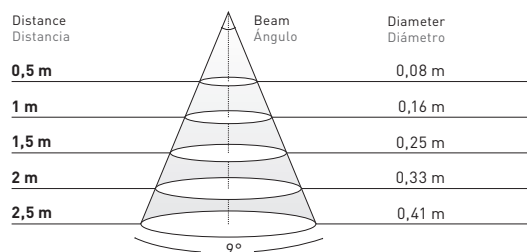
Square® S RGBW

15 W
55°


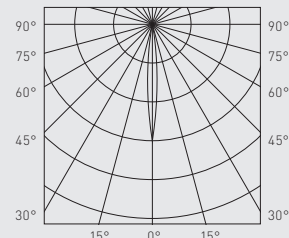
R	G	B	W	R+G+B+W
RED ROJO	GREEN VERDE	BLUE AZUL	WHITE BLANCO	
599 lux	1118 lux	379 lux	1497 lux	3426 lux
150 lux	279 lux	99 lux	374 lux	856 lux
67 lux	124 lux	44 lux	166 lux	381 lux
37 lux	70 lux	25 lux	94 lux	214 lux
24 lux	45 lux	16 lux	60 lux	137 lux



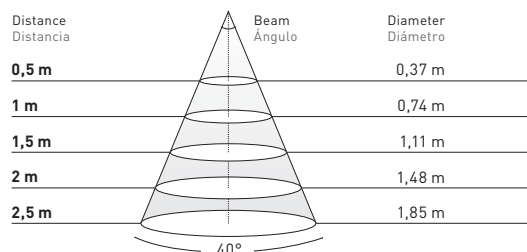
Square® S

13 W
9°


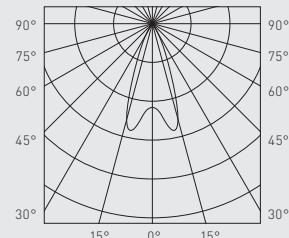
2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
68646 lux	72684 lux	80760 lux
17162 lux	18171 lux	20190 lux
7627 lux	8076 lux	8973 lux
4291 lux	4543 lux	5048 lux
2745 lux	2907 lux	3230 lux



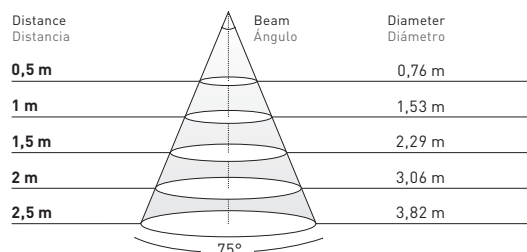
Square® S

13 W
40°


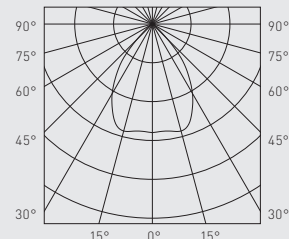
2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
4893 lux	5181 lux	5757 lux
1223 lux	1295 lux	1439 lux
544 lux	576 lux	640 lux
306 lux	324 lux	360 lux
195 lux	207 lux	230 lux



Square® S

13 W
75°


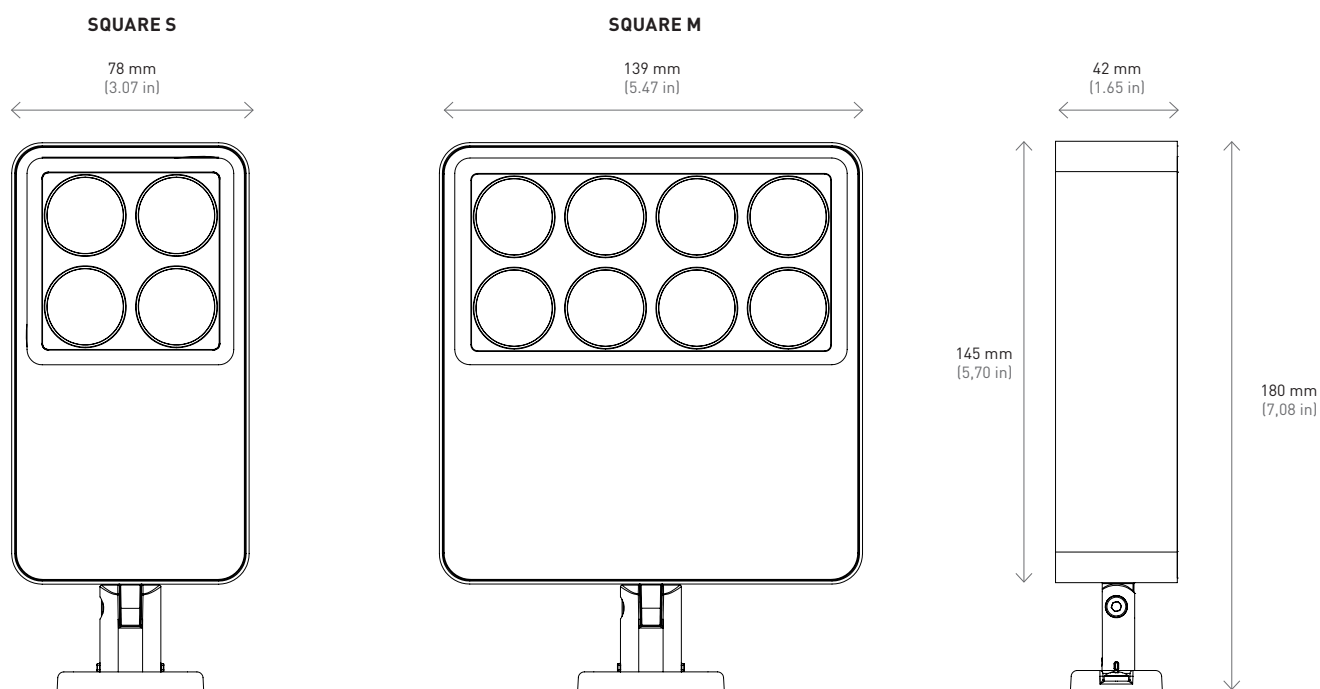
2700K	3000K	4000K
VERY WARM WHITE BLANCO MUY CÁLIDO	WARM WHITE BLANCO CÁLIDO	NEUTRAL WHITE BLANCO NEUTRO
2494 lux	2641 lux	2934 lux
624 lux	661 lux	734 lux
277 lux	293 lux	326 lux
155 lux	165 lux	183 lux
99 lux	105 lux	117 lux



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.

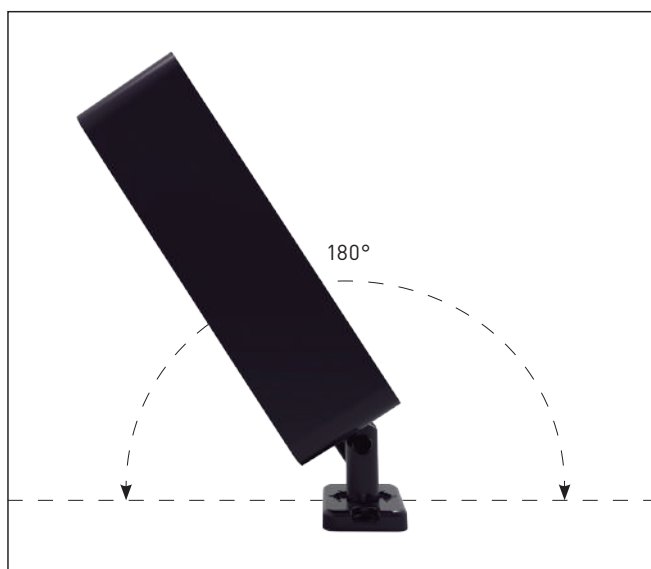
Datos calculados con **SQUARE S&M**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

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 texturised stone.
Piedra micro texturizado.



Micro texturised silver.
Plata micro texturizado.



Micro texturised black.
Negro micro texturizado.



Micro texturised white.
Blanco micro texturizado.

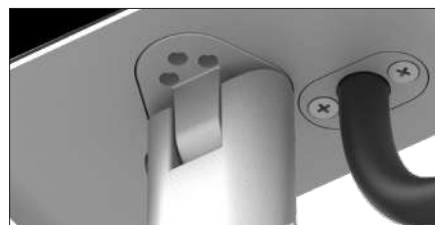


Micro texturised corten.
Corten micro texturizado.

DETAILS DETALLES



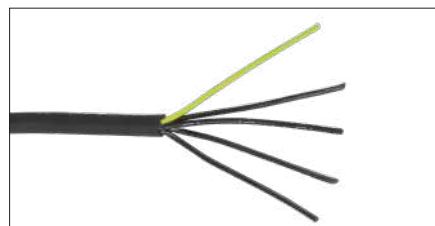
Smooth and compact design.
Diseño suave y compacto.



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



Flush cable gland.
Prensaestopas enrasado.



2m wire.
Cable de 2m.

DETAILS
DETALLES



Black arm wall (50cm).
Brazo pared negro (50cm).



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.

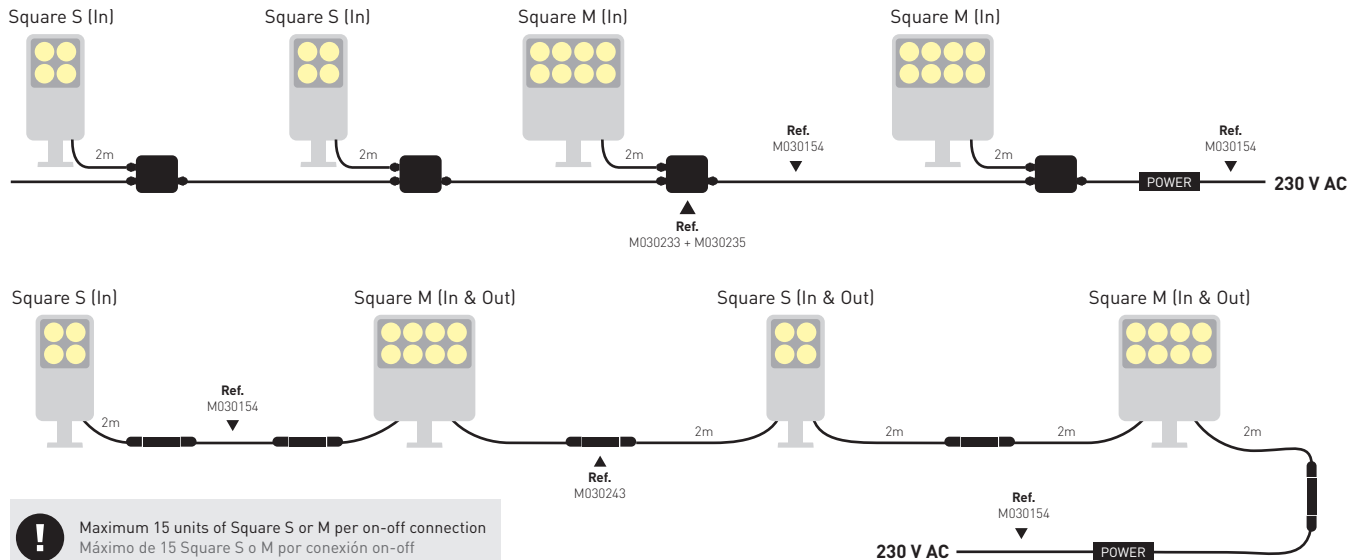


Monolithic tempered glass (5mm) ensures high security protection, stability and hardness.
Cristal de seguridad monolítico templado (5mm) que garantiza una alta protección, estabilidad y dureza.

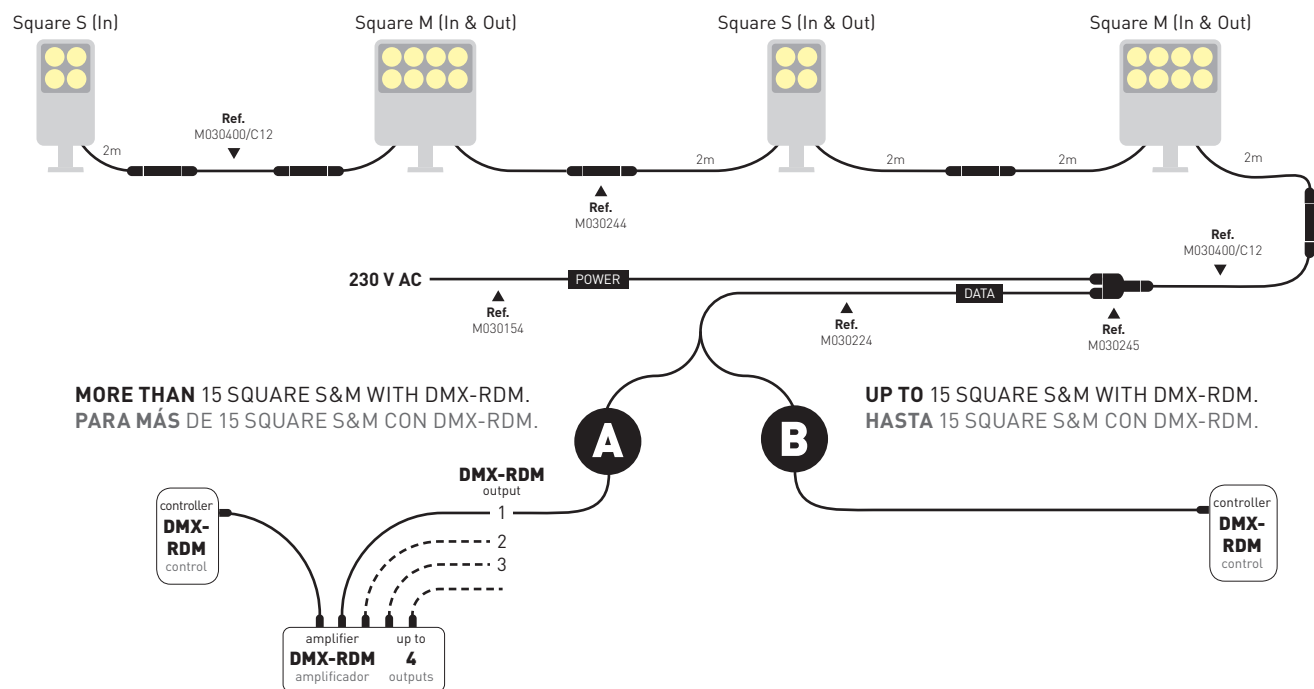


Black Visor anti-glare for Square S&M.
Visera antideslumbrante negra para Square S&M.

MONOCOLOR ON/OFF CONNECTIONS CONEXIONES ON/OFF MONOCOLOR



DMX-RDM CONNECTIONS CONEXIONES 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 Ámbar (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	Black Arm Wall (50cm)	Brazo pared negro (50cm)	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			
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			
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)	

City Hall,
Zaragoza, Spain



Lighting Designer: Saltoki



SQUARE L & XL



SQUARE L & XL

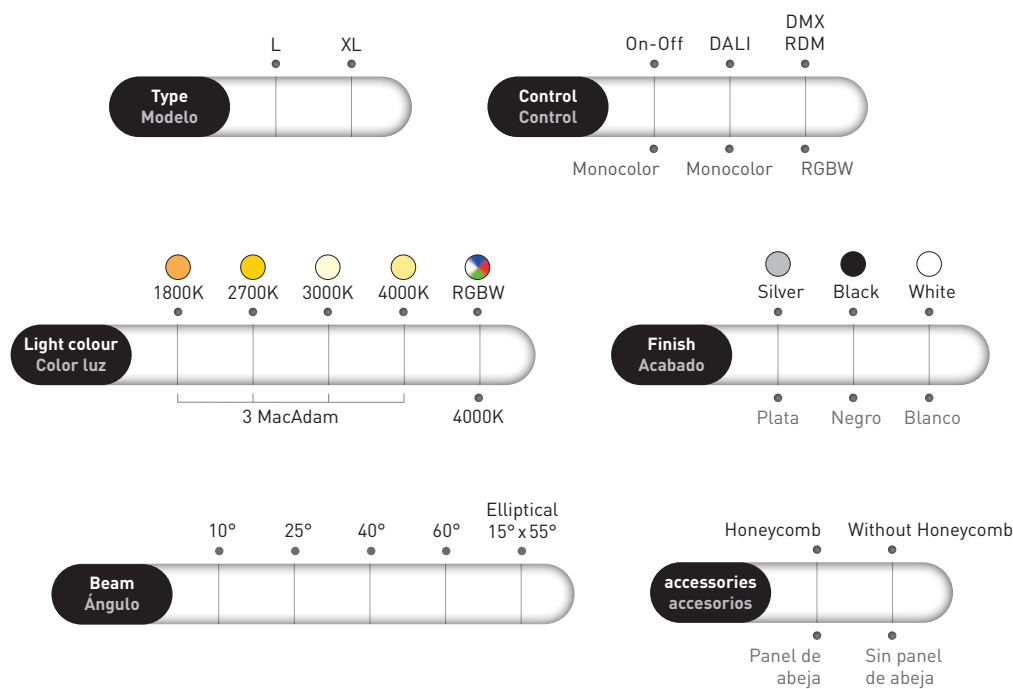
- Architectural accent lighting
- Luminous flux range from 3700 lm to 18400 lm
- Variety of types and power (from 45W to 180 W)
- Available models with 5 beam angles and 5 color temperatures
- 1800K color temperature for Monumental lighting
- Integrated driver
- Easy chain connection
- Luz para acentuar la arquitectura
- Flujos lumínicos de 3700 lm a 18400 lm
- Gran variedad de modelos y potencias (desde 45W hasta 180W)
- Modelos disponibles en 5 ópticas y 5 temperaturas de color
- Temperatura de color 1800K (color vapor de sodio) para iluminación ornamental
- Equipo integrado en la luminaria
- Fácil conexión en cadena



Square L



Square XL



The standard version is delivered with 25° beam & without honeycomb.
La versión estándar se suministra con ángulo de 25° y sin panel.

SPECIFICATIONS CARACTERÍSTICAS

	100-305V AC	220-240V AC	IP66	IK08	CRI>80	CRI>70 1800K	on/off DALI	DMX RDM	AL Housing	Security GLASS Cover	L80 B10 >60.000h Ta +25°C	L90 B10 >60.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	
Monocolor		RGBW					Monocolor	RGBW			Monocolor	RGBW		

Square L 45W (low output)

Power	45 W			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	10° -	4251 lm	4344 lm	4621 lm
	25° -	4069 lm	4157 lm	4423 lm
	40° -	3703 lm	3782 lm	4025 lm
	60° -	3884 lm	3968 lm	4221 lm
	15°x 55° -	3977 lm	4064 lm	4323 lm
Luminaire efficiency	82 to 94 lm/W	84 to 96 lm/W	89 to 102 lm/W	89 to 102 lm/W
Measures / Weight	296 x 260 x 100 mm / 4,5 kg			

Square L 66W (medium output)

Power	66 W			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	10° -	6334 lm	6473 lm	6885 lm
	25° -	6092 lm	6194 lm	6590 lm
	40° -	5517 lm	5635 lm	5997 lm
	60° -	5786 lm	5912 lm	6289 lm
	15°x 55° -	5926 lm	6055 lm	6441 lm
Luminaire efficiency	83 to 95 lm/W	85 to 98 lm/W	90 to 104 lm/W	90 to 104 lm/W
Measures / Weight	296 x 260 x 100 mm / 4,5 kg			

Square L 90W (high output)

Power	90 W			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	10° -	8502 lm	8688 lm	9242 lm
	25° -	8137 lm	8314 lm	8845 lm
	40° -	7406 lm	7563 lm	8050 lm
	60° -	7767 lm	7935 lm	8441 lm
	15°x 55° -	7954 lm	8127 lm	8646 lm
Luminaire efficiency	82 to 94 lm/W	84 to 96 lm/W	89 to 102 lm/W	89 to 102 lm/W
Measures / Weight	296 x 260 x 100 mm / 4,5 kg			

Square L RGBW 70W

Power	70 W				
Color temperatures	R	G	B	W	RGBW
Lumens output	10° -	647 lm	1905 lm	426 lm	1665 lm
	25° -	616 lm	1823 lm	408 lm	1593 lm
	40° -	561 lm	1660 lm	372 lm	1450 lm
	60° -	590 lm	1741 lm	390 lm	1521 lm
	15°x 55° -	603 lm	1783 lm	399 lm	1557 lm
Luminaire efficiency	32 to 37 lm/W	94 to 108 lm/W	21 to 24 lm/W	82 to 95 lm/W	57 to 66 lm/W
Measures / Weight	296 x 260 x 100 mm / 4,5 kg				

Square XL 134W (medium output)

Power	134 W			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	10° -	12669 lm	12945 lm	13771 lm
	25° -	12125 lm	12388 lm	13181 lm
	40° -	11036 lm	11270 lm	11995 lm
	60° -	11574 lm	11825 lm	12579 lm
	15°x 55° -	11852 lm	12111 lm	12883 lm
Luminaire efficiency	82 to 94 lm/W	84 to 96 lm/W	89 to 102 lm/W	89 to 102 lm/W
Measures / Weight	310 x 497 x 118 mm / 10,3 kg			

Square XL 180W (high output)

Power	180 W			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	10° -	17005 lm	17376 lm	18484 lm
	25° -	16275 lm	16628 lm	17690 lm
	40° -	14813 lm	15126 lm	16100 lm
	60° -	15535 lm	15870 lm	16882 lm
	15°x 55° -	15909 lm	16254 lm	17292 lm
Luminaire efficiency	82 to 94 lm/W	84 to 96 lm/W	89 to 102 lm/W	89 to 102 lm/W
Measures / Weight	310 x 497 x 118 mm / 10,3 kg			

Square XL RGBW 140W

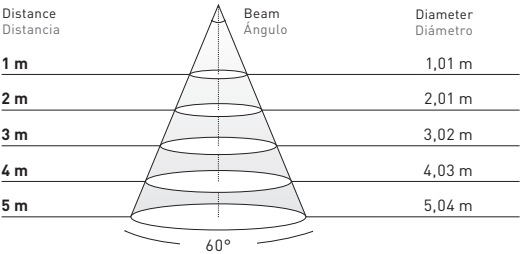
Power	140W				
Color temperatures	R	G	B	W	RGBW
Lumens output	10° -	1294 lm	3810 lm	852 lm	3330 lm
	25° -	1233 lm	3646 lm	816 lm	3186 lm
	40° -	1123 lm	3320 lm	744 lm	2900 lm
	60° -	1180 lm	3482 lm	780 lm	3042 lm
	15°x 55° -	1206 lm	3566 lm	798 lm	3114 lm
Luminaire efficiency	32 to 37 lm/W	94 to 108 lm/W	21 to 24 lm/W	82 to 95 lm/W	57 to 66 lm/W
Measures / Weight	310 x 497 x 118 mm / 10,3 kg				

SQUARE L & XL

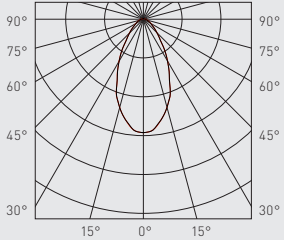
LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

Square L monocolor 90W

60°

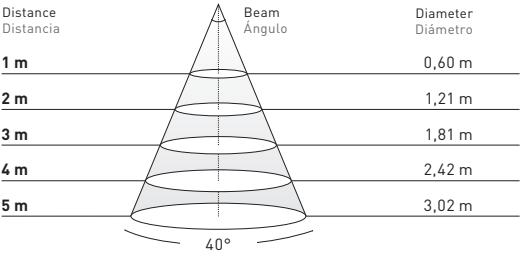


1800K	2700K	3000K	4000K
3881 lux	4099 lux	4.361 lux	4.361 lux
970 lux	1024 lux	1.090 lux	1.090 lux
431 lux	455 lux	485 lux	485 lux
242 lux	256 lux	273 lux	273 lux
154 lux	163 lux	174 lux	174 lux

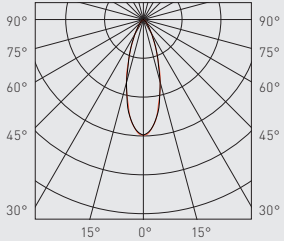


Square L RGBW 70W

40°



RGBW
4.701 lux
1.175 lux
522 lux
294 lux
188 lux



Data calculated with **Square L (40°) (60°)**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at www.grupo-mci.com.
Due to continuous improvements and innovations, specifications may change without notice.

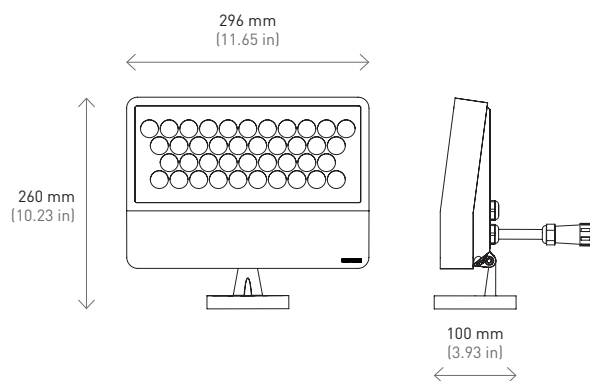
Datos calculados con **Square L (40°) (60°)**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.grupo-mci.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.



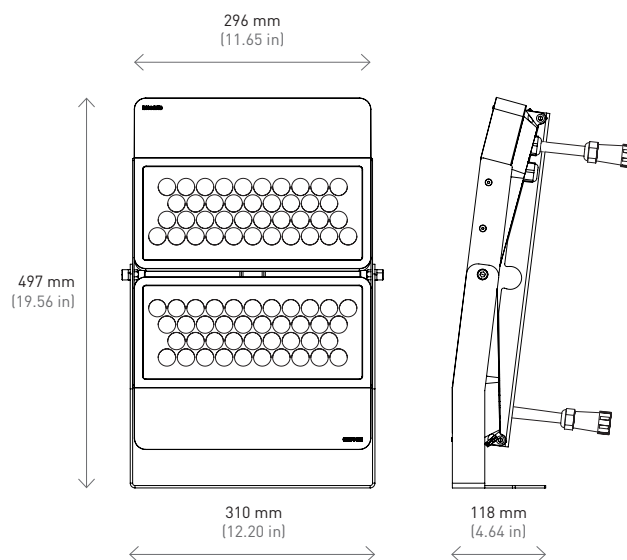
Royal Walls of Ceuta,
Ceuta, Spain

MEASURES MEDIDAS

Square L



Square XL

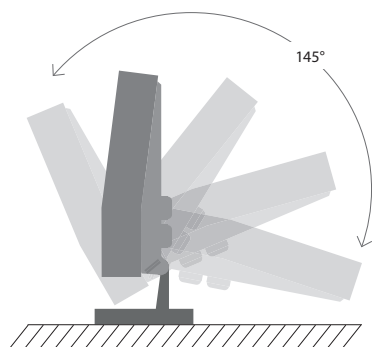


ROTATION ROTACIÓN

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.

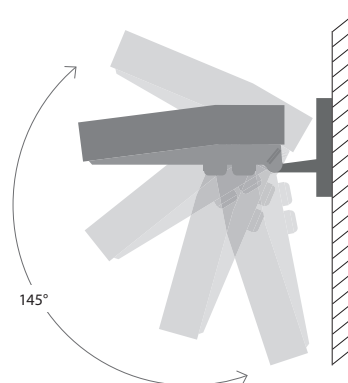
Square L

Side view
Vista lateral



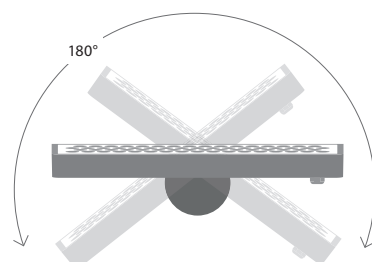
Square L

Side view
Vista lateral



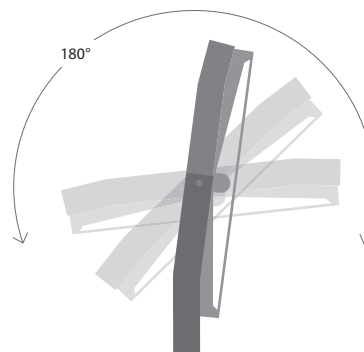
Square L

Top view
Planta



Square XL

Side view
Vista lateral



SQUARE L & XL

FINISHES ACABADOS

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



Silver
Plata (RAL 9006)



Black
Negro (RAL 9011)



White
Blanco (RAL 9003)



Qatar Handball Association Complex,
Doha, Qatar

DETAILS DETALLES



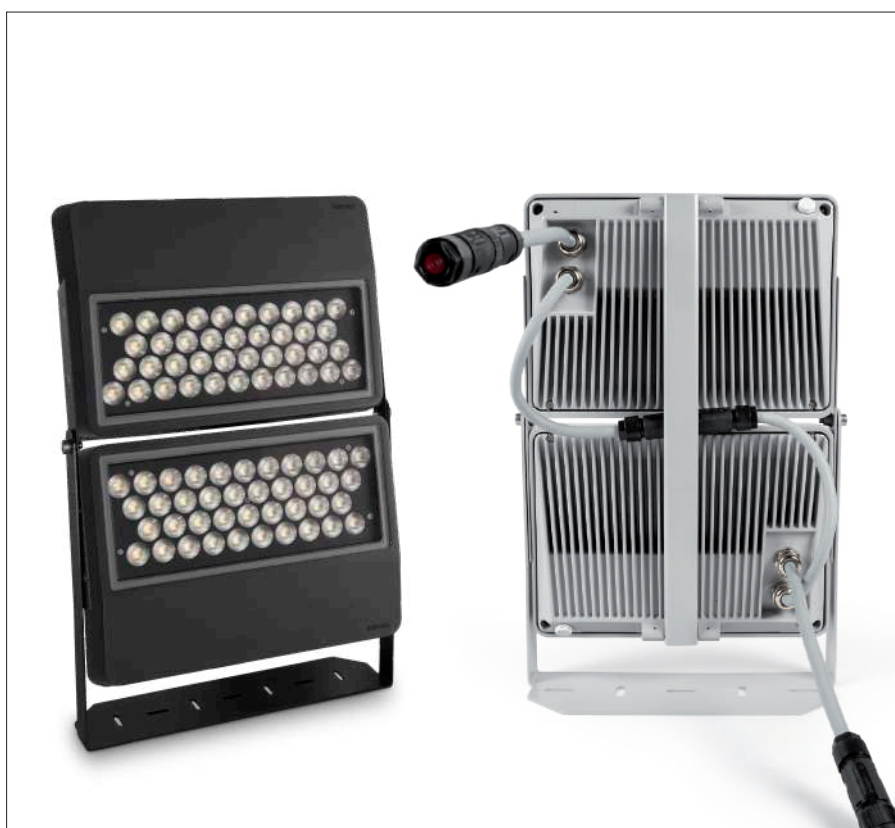
Passive heat sink.
Disipador de calor pasivo.



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



Black Visor anti-glare
Visera antideslumbrante negra



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



GORE pressure equalize valve
Válvula de control de presión atmosférica GORE

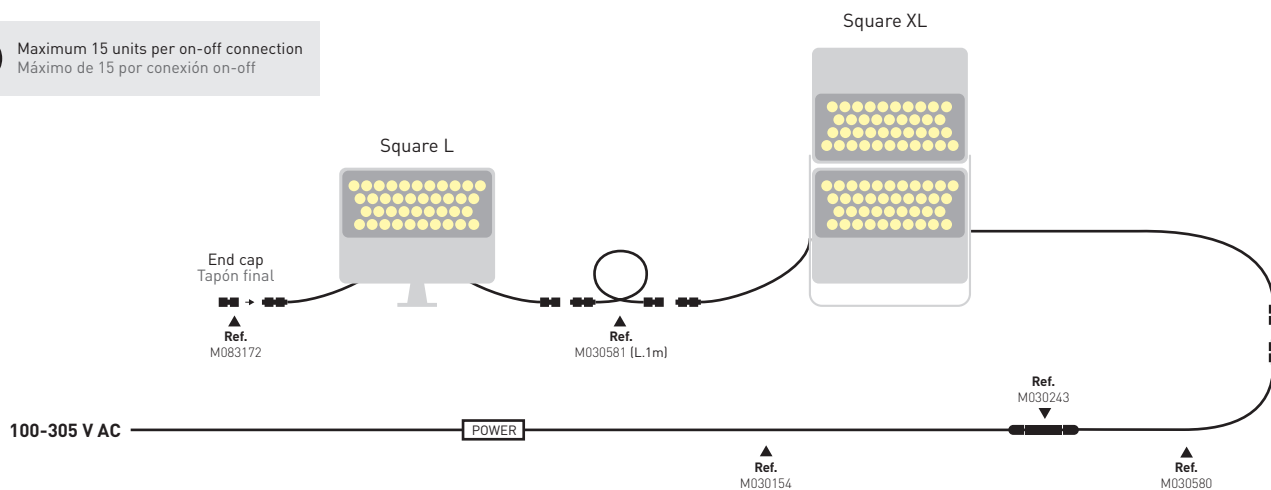


Black Visor anti-glare
Visera antideslumbrante negra

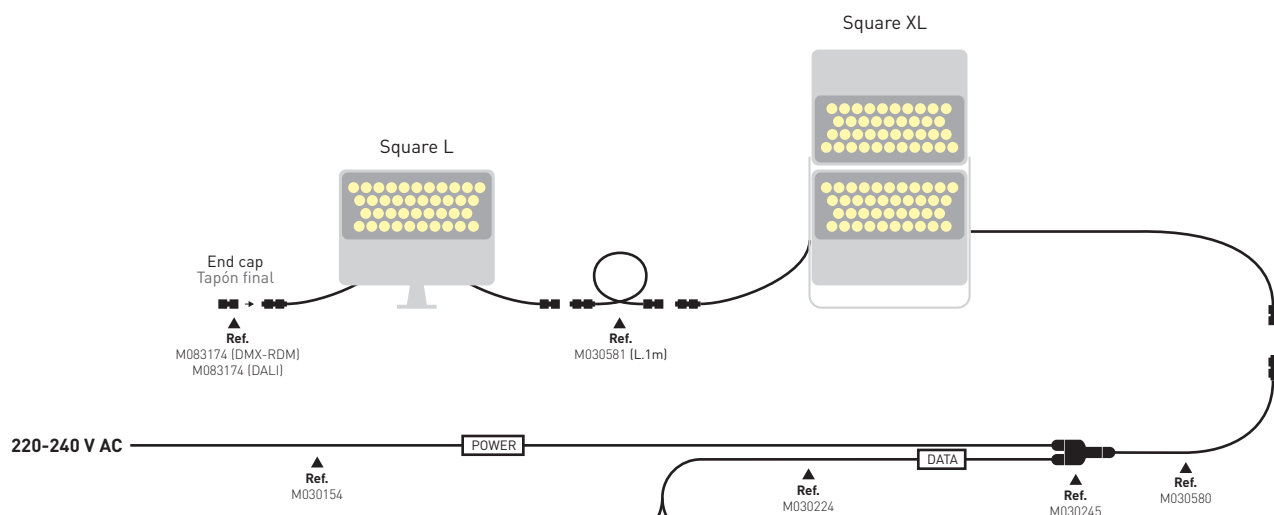
SQUARE L & XL

MONOCOLOR ON/OFF CONNECTIONS CONEXIONES ON/OFF MONOCOLOR

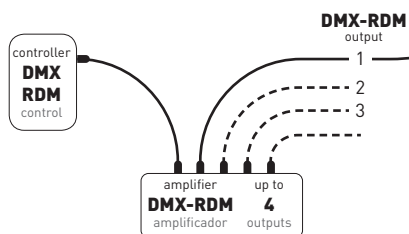
! Maximum 15 units per on-off connection
Máximo de 15 por conexión on-off



DMX-RDM & DALI CONNECTIONS CONEXIONES DMX-RDM & DALI



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

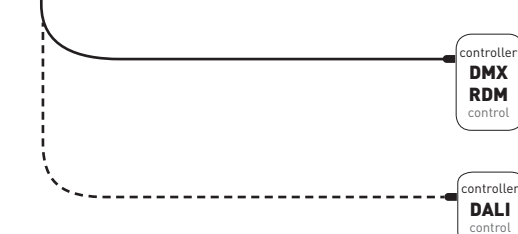


MORE THAN 15 SQUARE GRAZER® WITH DMX-RDM.
PARA MÁS DE 15 SQUARE GRAZER® CON DMX-RDM.

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

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

UP TO 15 SQUARE GRAZER® WITH DMX-RDM & DALI.
HASTA 15 SQUARE GRAZER® CON DMX-RDM & DALI.



UP TO 15 SQUARE GRAZER® WITH DMX-RDM & DALI.
PARA MENOS DE 15 SQUARE GRAZER® CON DMX-RDM & DALI.

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

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

REFERENCES REFERENCIAS

75007 X X X /XX/XXX

COLOUR COLOR

/70/1K8	1800K
/80/2K7	2700K
/80/3K	3000K
/80/4K	4000K
/11-4K	RGBW (white 4000K)

TYPE MODELO

1	Square L (45W)
2	Square L (66W)(Mo) (70W)(RGBW)
3	Square L (90W)
4	Square XL (134W)(Mo) (140W)(RGBW)
5	Square XL (180W)

FINISHES ACABADOS

0	Silver	Plata	(RAL 9006)
2	Black	Negro	(RAL 9011)
3	White	Blanco	(RAL 9003)

CONTROL CONTROL

1	On-Off (Monocolor)
3	DALI (Monocolor) *
5	DMX RDM (RGBW)**

* DALI control can only be configured with type 3 and 5.

* Control DALI solo se puede configurar con el modelo 3 y 5.

** DMX RDM control can only be configured with type 2 and 4.

** Control DMX-RDM solo se puede configurar con el modelo 2 y 4.

OPTIONS OPCIONES

BEAM ÁNGULO

10°
25° (Standard)
40°
60°
15°x 55°

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

1	2	3	4	5	6	7	8
							
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		
M083172	End cap (female) On-off DALI	Tapón final (hembra) On-off DALI					
M083174	120 OHM end cap (5 poles-male) DMX RDM	Tapón final 120 OHM (5 polos-macho) DMX RDM			3		
For electrical installation.				Para instalación eléctrica.			
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 do extensions cables				Para hacer extensiones de cables			
M083166	IP68 connector (5 poles-male)	Conector aereo IP68 (5 polos-macho)			7		
M083173	End cap (male)	Tapón final (macho)					
M083167	IP68 connector (5 poles-female)	Conector aereo IP68 (5 polos-hembra)			8		
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)					
75007901/C13	L Visor	Visera L					
75007902/C13	XL Visor	Visera XL					

Urbo Business Center,
Matosinhos, Portugal



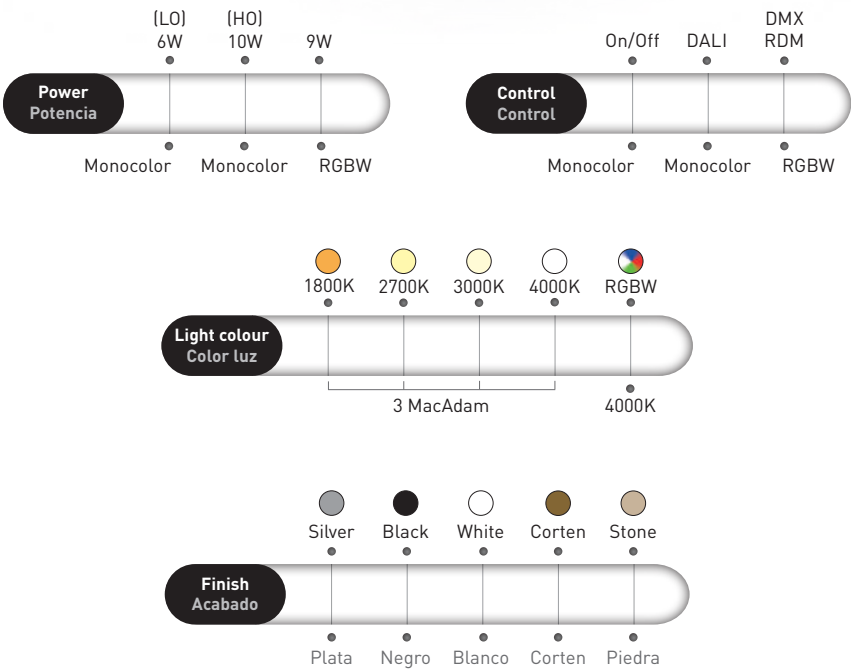


BOW®

Gen2



- 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

	100-240V AC	IP65	IK08	CRI>80	CRI>70 1800K	on/off DALI	DMX RDM	AL + PMMA Housing	L80 B10 >70.000h Ta +25°C	Ta -20°C min -4°F Ta +50°C max +122°F	
					Monocolor		RGBW				

BOW® 6W Monocolor (L0)

Measures	100 x 120 x 49 mm			
Weight	0,400 kg			
Color temperatures	1800K	2700K	3000K	4000K
Power	6W / 2 LEDs	6W / 2 LEDs	6W / 2 LEDs	6W / 2 LEDs
Lumens output	153lm	161lm	174lm	174lm

BOW® 10W Monocolor (H0)

Measures	100 x 120 x 49 mm			
Weight	0,400 kg			
Color temperatures	1800K	2700K	3000K	4000K
Power	10 W / 2 LEDs	10 W / 2 LEDs	10 W / 2 LEDs	10 W / 2 LEDs
Lumens output	281lm	297lm	320lm	320lm

BOW® 9W RGBW

Measures	100 x 120 x 59 mm				
Weight	0,400 kg				
Color temperatures	Red	Green	Blue	White (4000K)	RGBW
Power	2,25 W / 2 LEDs	2,25 W / 2 LEDs	2,25 W / 2 LEDs	2,25 W / 2 LEDs	9 W / 8 LEDs
Lumens output	10lm	52lm	19lm	52lm	129lm

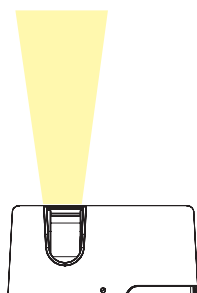
Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

ADJUSTABLE LOUVRES LAMAS AJUSTABLES

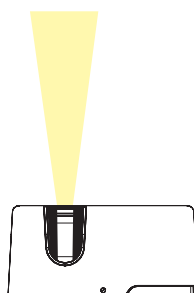
Inner louvres to adjust the beam angle on site (from 100% to 0%).
Lamas interiores para ajustar el ángulo de luz en la obra (de 100% a 0%).



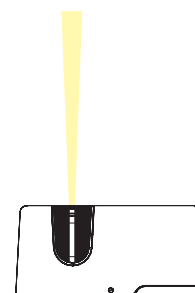
100% open



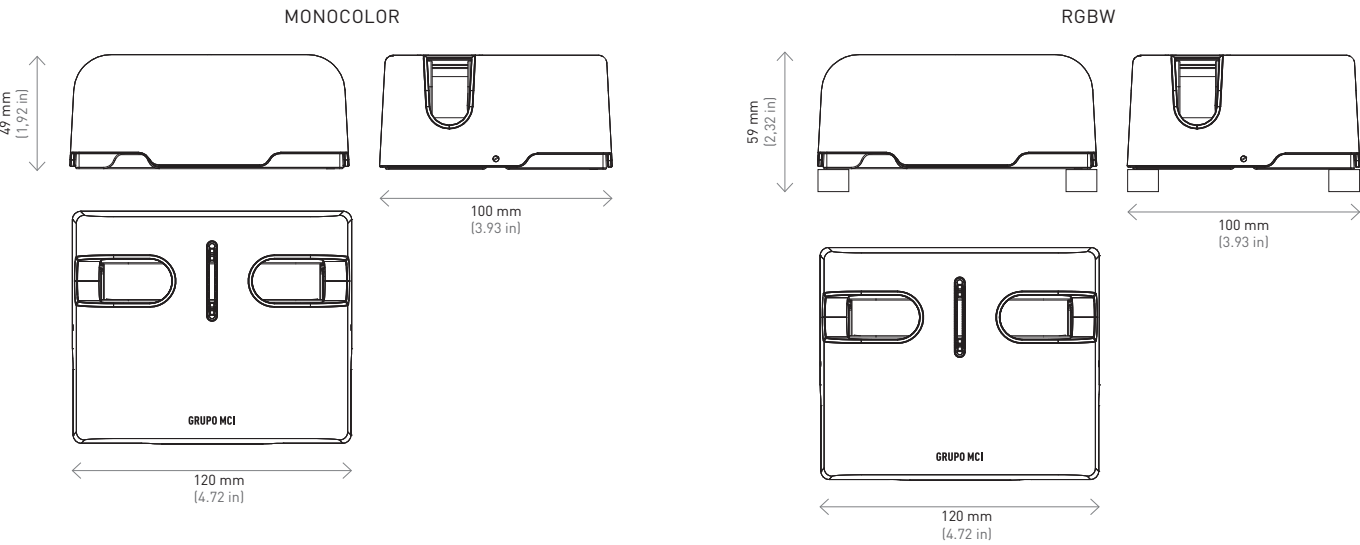
50% open



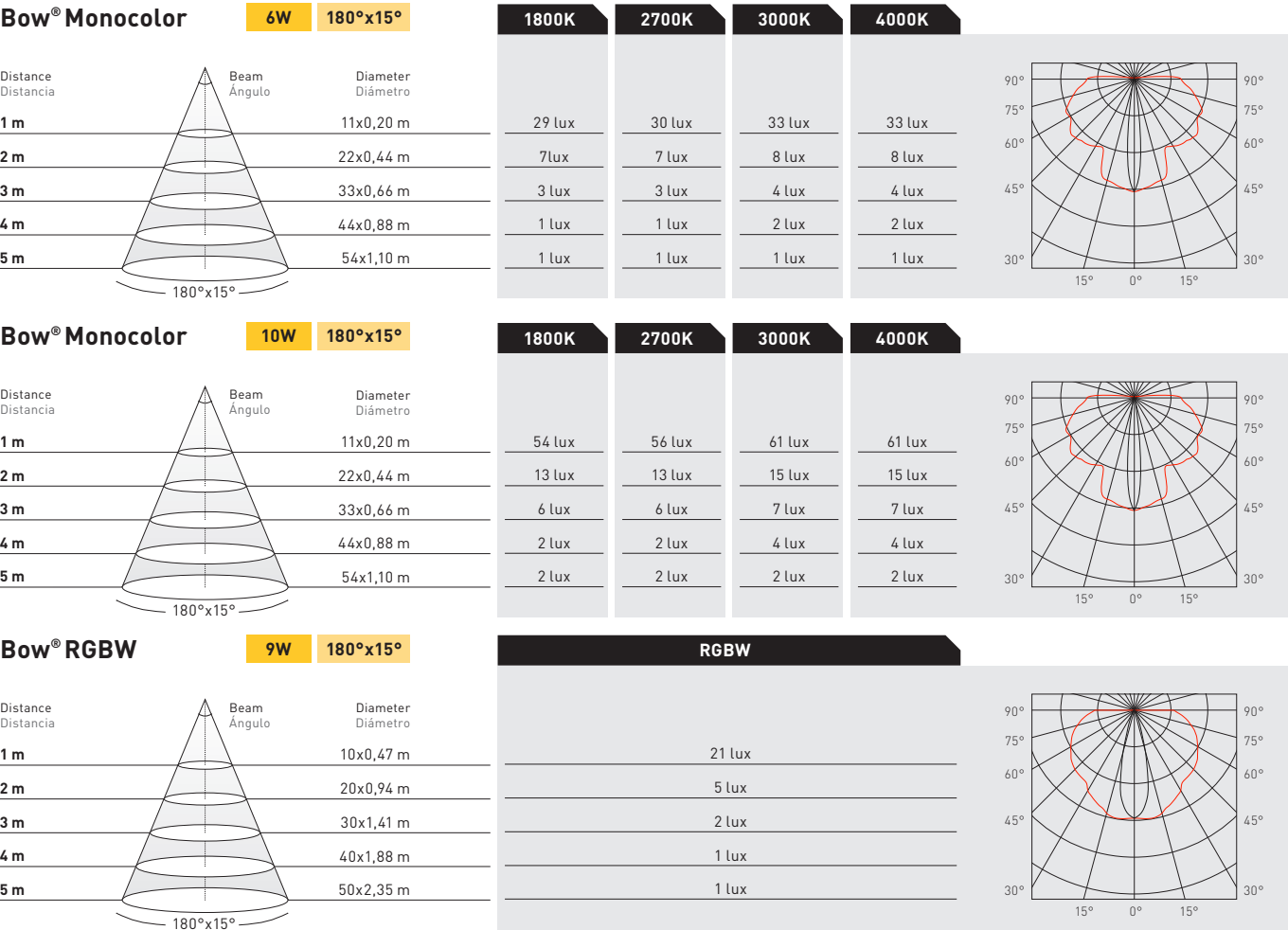
20% open



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 texturised silver.
Plata micro texturizado.



Micro texturised black.
Negro micro texturizado.



Micro texturised white.
Blanco micro texturizado.



Micro texturised corten.
Corten micro texturizado.



Micro texturised stone.
Piedra micro texturizado.

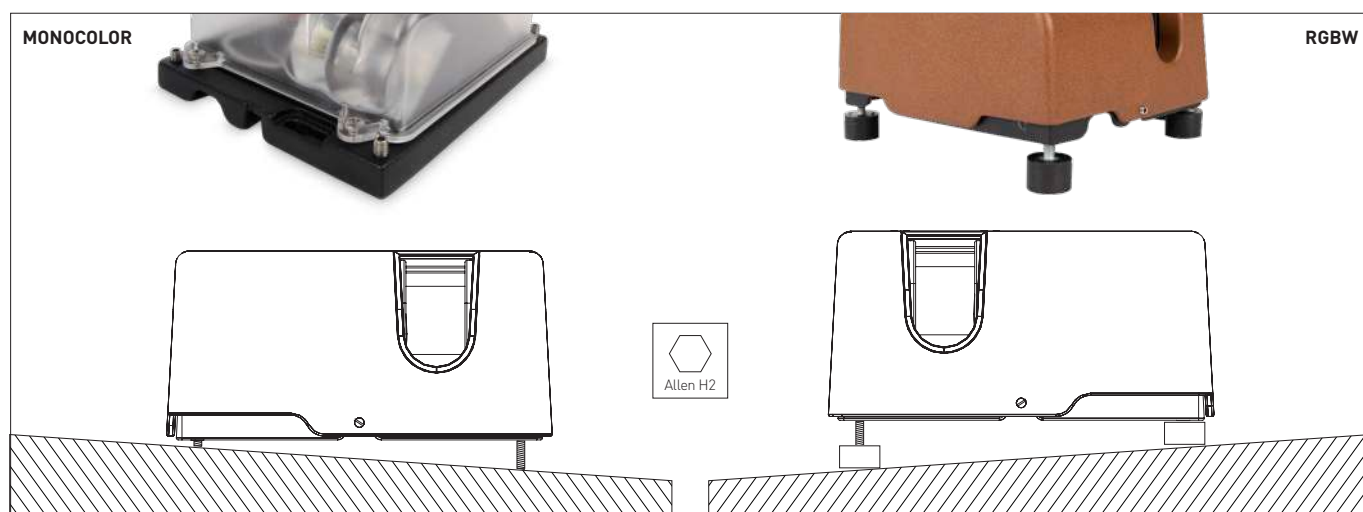
DETAILS DETALLES



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

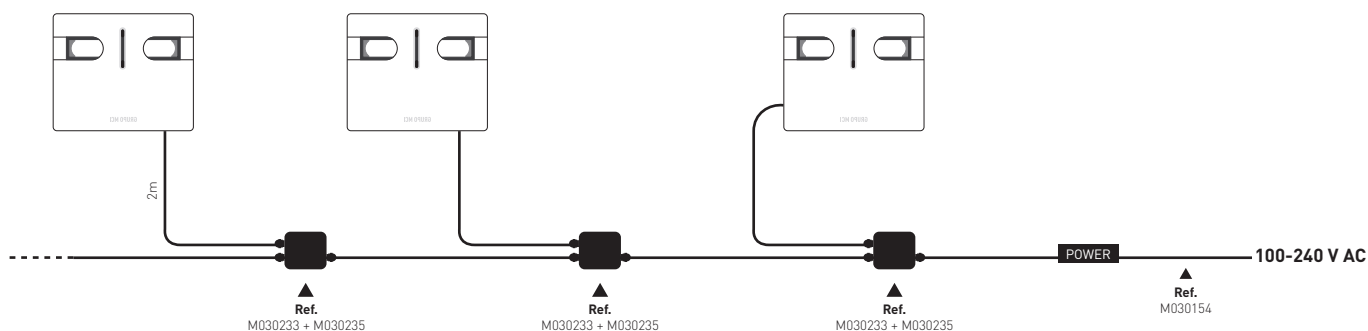
2m wire hidden cable output.
Cable de 2m con salida inferior.

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



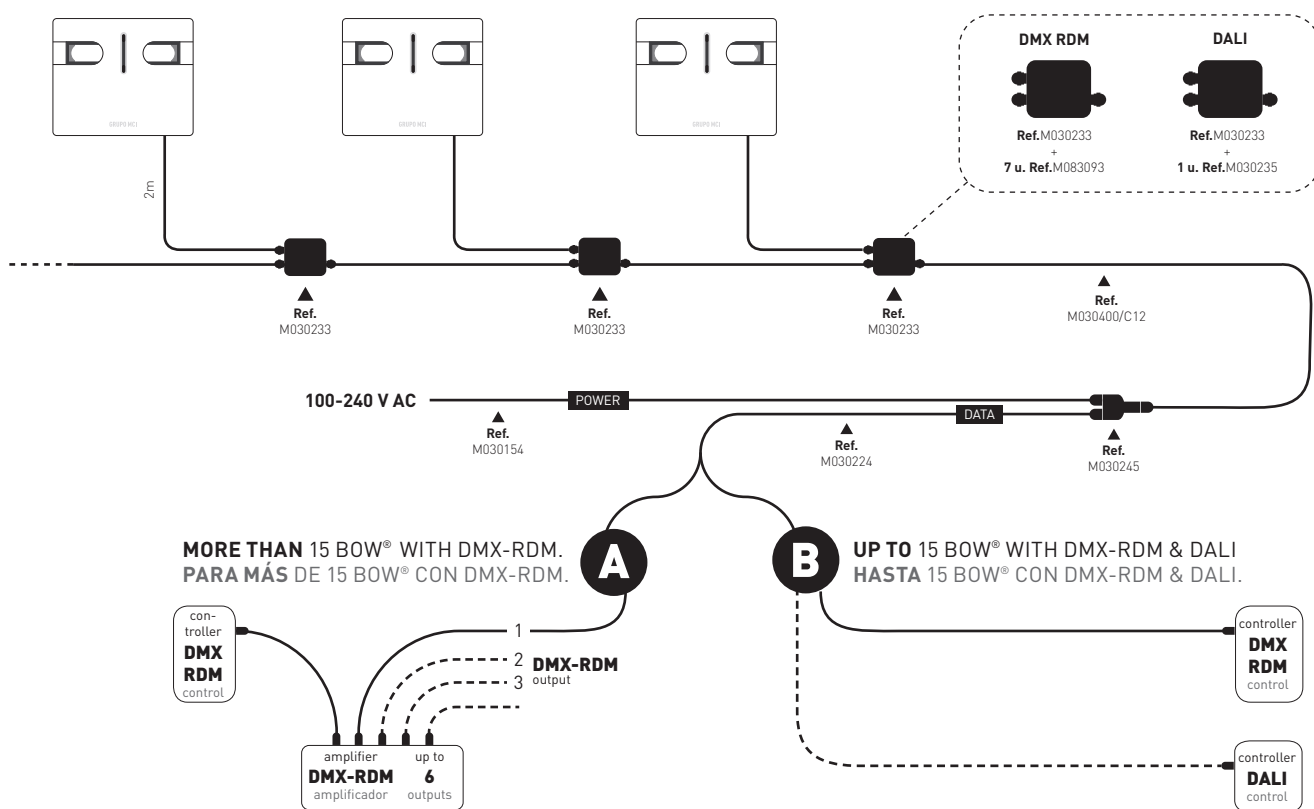
Leveling luminaire to correct windowsill slope.
Luminaria nivelable para corregir la inclinación del viente aguas.

ON-OFF CONNECTIONS CONEXIONES ON-OFF



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

DMX-RDM & DALI CONNECTIONS CONEXIONES DMX-RDM Y DALI



A

MORE THAN 15 BOW® WITH DMX-RDM. PARA MÁS DE 15 BOW® CON DMX-RDM.

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

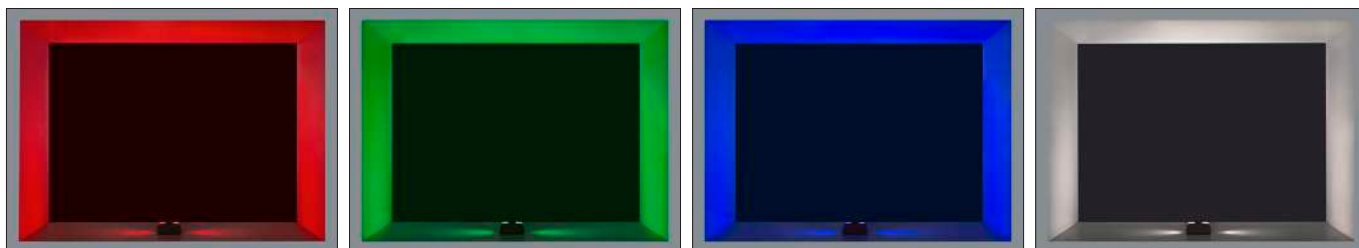
Máximo 15 Bow® por salida DMX-RDM.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último Bow®.

B

UP TO 15 BOW® WITH DMX-RDM & DALI. PARA MENOS DE 15 BOW® CON DMX-RDM Y DALI.

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

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



REFERENCES REFERENCIAS

71327 X X X /XX/XXX

COLOUR COLOR

/70/1K8	1800K
/80/2K7	2700K
/80/3K	3000K
/80/4K	4000K
/11-4K	RGBW (white 4000K)

POWER POTENCIA

1	LO	6W (Monocolor)
2	HO	10W (Monocolor) 9W (RGBW)

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

CONTROL CONTROL

1	On-Off (Monocolor)
3	DALI (Monocolor) - (HO)
5	DMX-RDM (RGBW) - (HO)

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



For installation On/Off

Para instalación On/Off

M030154	3 x 1,5 mm² H07RN-F cable (m)	Cable 3 x 1,5 mm² H07RN-F (m)	
M030233	Derivation box	Caja derivación	1
M030235	5 way terminal block	Regleta 5 vías	

For installation DMX /DALI

Para instalación DMX/DALI

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
7150203	DMX Addresser Setup	DMX Addresser Setup	
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)	
M030400/C12	3 x 1,5 mm² + 2 x AWG22 PUR Cable (m)	Cable PUR 3 x 1,5 mm² + 2 x AWG22 (m)	
M030233	Derivation box	Caja derivación	1
M030235	5 way terminal block	Regleta 5 vías	
M083093	Conector scotchlock 3M 314 (0,5-1,5 mm²)	Conector scotchlock 3M 314 (0,5-1,5 mm²)	4

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338





MUNDO DOT

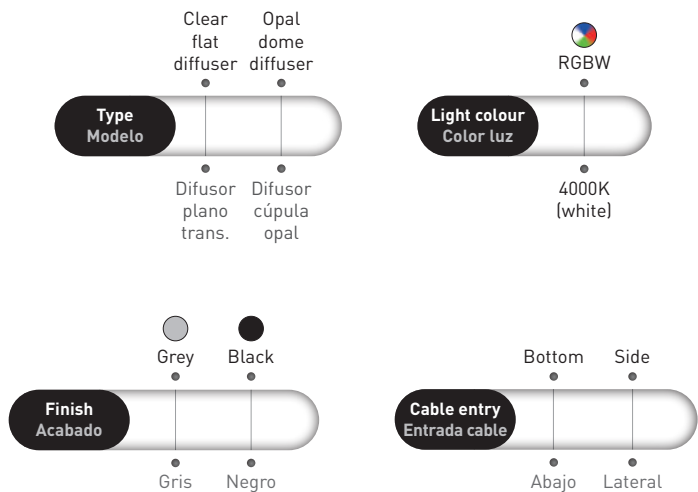
Gen 2



MUNDO DOT

Gen 2

- Facade decoration
 - Surfaced types in black and grey finish
 - Opal dome or clear flat diffuser
 - Beam angle: 100° flat diffuser / 140° dome diffuser
 - DMX-RDM control (Remote device management)
 - Side or Bottom cable entry
 - Daisy chain up to 25 Dots
 - Up to 195 lumens output in clear diffuser
 - IP67 and IK10
- Luz para decorar fachadas
 - Modelos de superficie en acabados negro y gris
 - Difusor cúpula opal o difusor plano transparente
 - Ángulo de apertura: 100° difusor plano / 140° difusor cúpula
 - DMX-RDM control (Remote device management)
 - Salida de los cables lateral o por abajo
 - Conexiones en cadena hasta 25 Dots
 - Hasta 195 lumens en difusor transparente
 - Grado de protección IP67 e IK10



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



24V
DC

IP67

IK10

CRI 80

DMX
RDM

AL
Housing

PC
Diffuser

UV
resistant

L80 B10
>70.000h
Ta +25°C

Ta -30°C
min -22°F
Ta +50°C
max +122°F



Mundo Dot Clear Flat Diffuser - 100°

Power	4 W (18 LEDs)				
Color temperatures	RGBW				
	Red	Green	Blue	4000K	R+G+B+W
Lumens output	14 lm	39 lm	8 lm	134 lm	195 lm
Luminaire efficiency	48,7 lm/W				
Measures / Weight	98 x 73 x 50 mm 450 gr				

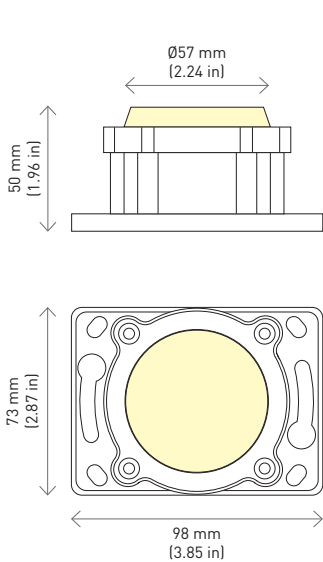
Mundo Dot Opal Dome Diffuser - 140°

Power	4 W (18 LEDs)				
Color temperatures	RGBW				
	Red	Green	Blue	4000K	R+G+B+W
Lumens output	7 lm	10 lm	4 lm	64 lm	85 lm
Luminaire efficiency	21,2 lm/W				
Measures / Weight	98 x 73 x 65 mm 450 gr				

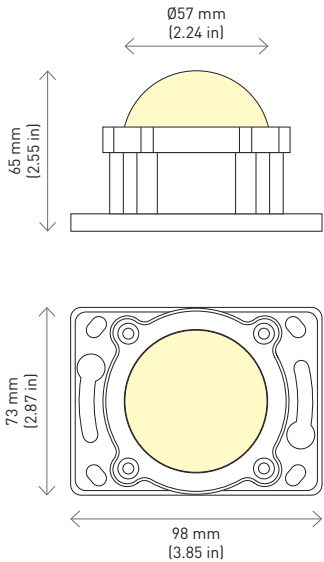


MEASURES
MEDIDAS

Mundo Dot Clear flat diffuser
Mundo Dot Difusor plano transparente



Mundo Dot Opal dome diffuser
Mundo Dot Difusor cúpula opal



LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

Mundo Dot RGBW Flat

4W Clear

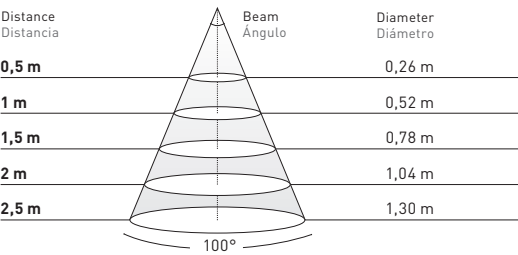
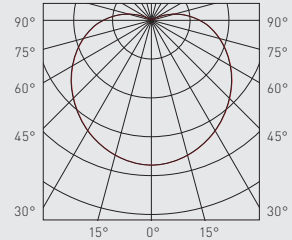


Table with 2 columns: Distance (m) and Lux. Rows show lux values at 0.5m (220 lux), 1m (56 lux), 1.5m (25 lux), 2m (14 lux), and 2.5m (9 lux).



Mundo Dot RGBW Dome

4W Opal

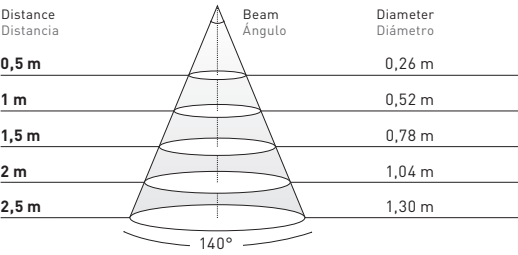
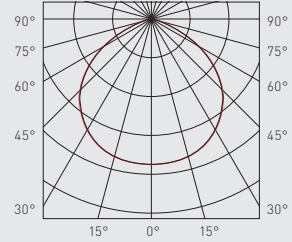


Table with 2 columns: Distance (m) and Lux. Rows show lux values at 0.5m (53 lux), 1m (13 lux), 1.5m (6 lux), 2m (3 lux), and 2.5m (2 lux).



Lumen measurement complies with UNE-EN 00000 / IES LM-00-00 testing procedures.
Light distribution curves are available at www.mclight.com.
Ensayado bajo las especificaciones de la norma UNE-EN 00000 / IES LM-00-00.
Fotometrías disponibles en www.mclight.com.
Due to continuous improvements and innovations, specifications may change without notice.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

DETAILS
DETALLES



Clear flat diffuser or opal dome diffuser types in black or grey.
Modelos con difusor plano transparente o cúpula opal en negro o gris.



Male-female connector. (5 poles)
Conector macho-hembra. (5 polos)

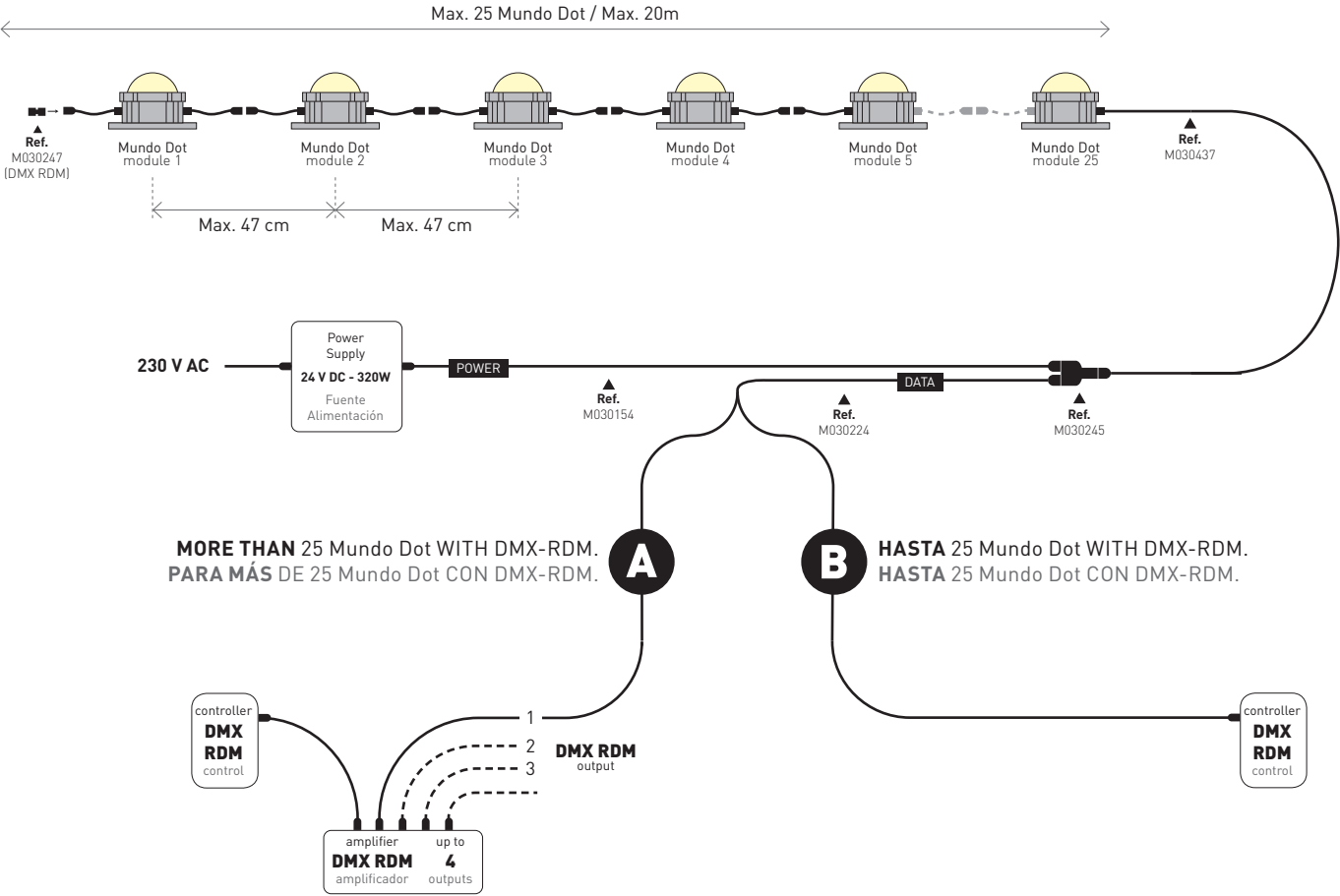


120 OHM end cap (5 poles-male) DMX RDM.
Tapón final 120 OHM (5 polos-macho) DMX RDM.



Bottom or side cable entry. Cable length 20 cm.
Entrada de cable por abajo o por el lateral. Longitud del cable 20 cm.

CONNECTIONS
CONEXIONES



A

**MORE THAN 25 Mundo Dot WITH DMX-RDM.
PARA MÁS DE 25 Mundo Dot CON DMX-RDM.**

Maximum 25 Mundo Dot per DMX-RDM.
Maximum 20 meters from power supply to last Mundo Dot.
Maximum 100 meters from amplifier/controller to last Mundo Dot.

Máximo 25 Mundo Dot por DMX-RDM.
Máximo 20 metros desde la fuente de alimentación hasta el último Mundo Dot.
Máximo 100 metros desde el amplificador/controlador hasta el último Mundo Dot.

B

**HASTA 25 Mundo Dot WITH DMX-RDM.
HASTA 25 Mundo Dot CON DMX-RDM.**

Maximum 25 Mundo Dot per DMX-RDM.
Maximum 20 meters from power supply to last Mundo Dot.
Maximum 100 meters from amplifier/controller to last Mundo Dot.

Máximo 25 Mundo Dot por DMX-RDM.
Máximo 20 metros desde la fuente de alimentación hasta el último Mundo Dot.
Máximo 100 metros desde el amplificador/controlador hasta el último Mundo Dot.

REFERENCES REFERENCIAS

OPTIONS
OPCIONES

Also available on request in RGBW (3K) and RGBW (5K7).
También disponible bajo demanda en RGBW (3K) y RGBW (5K7).

7134 X X X /11-4K

COLOR COLOR

/11-4K RGBW (4000K)

CABLE ENTRY ENTRADA CABLE

0	Side	Lateral
1	Bottom	Abajo

FINISHES ACABADOS

0	Grey	Gris
2	Black	Negro

DIFFUSER DIFUSOR

1	Clear flat	Plano transparente
2	Opal dome	Cúpula opal

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS

1

2

3



M030247	120 OHM end cap (5 poles-male) DMX RDM (5 poles)	Tapón final 120 OHM (5 polos-macho) DMX RDM (5 polos)	1
M030437	Power cable (2m) with female quick connector IP67 (5 poles)	Cable conexión con conector hembra (2m) IP67 (5 polos)	2
M030438	Extension power cable 2m (5 poles)	Extensión de cable de alimentación 2m (5 polos)	
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)	

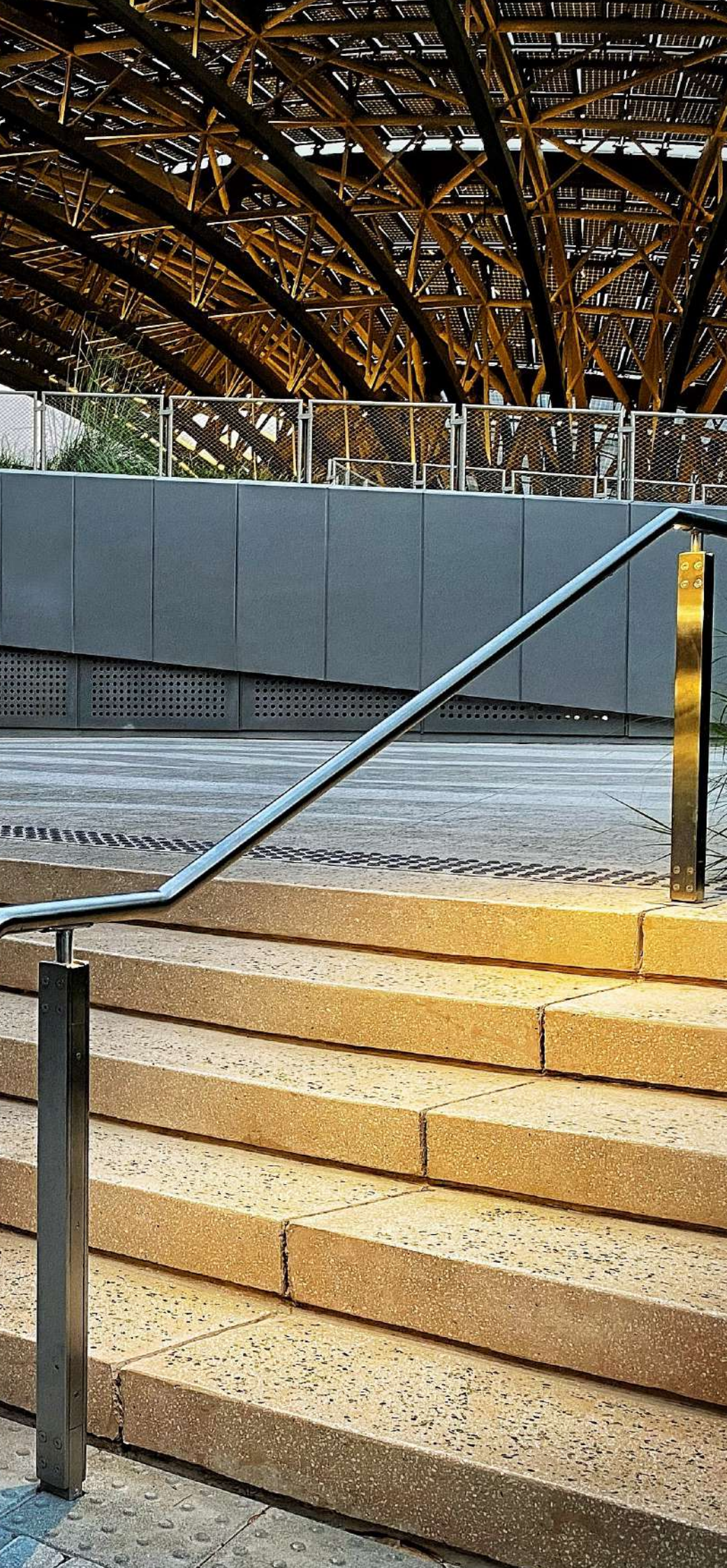


To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338



Power supplies page 342
Fuentes de alimentación página 342





HANDRAIL DOT Gen 2

SNAP-IN FIT



HANDRAIL DOT Gen 2

Snap-in fit

- Dot designed to be integrated in new or retrofitted handrails
 - Easy and quick installation due to snap-in fit system
 - IP66, IK10 and anti-tamper design. Ideal for outdoor applications
 - 3 beam angles: 60°, 100° (symmetric) and elliptical (asymmetric)
 - Luminous efficiency: 132 lm/W
 - Chrome brass unibody dot
 - Polycarbonate lens
- Dot diseñado para poder ser integrado en barandillas y pasamanos nuevos o existentes
 - Fácil y rápido sistema de montaje mediante clipaje
 - Ideal para exteriores: IP66, IK10 y sistema antivandálico
 - 3 ángulos de apertura: 60°, 100° (simétrico) y elíptico (asimétrico)
 - Eficiencia luminosa: 132 lm/W
 - Dot monobloque de latón cromado
 - Lente de policarbonato



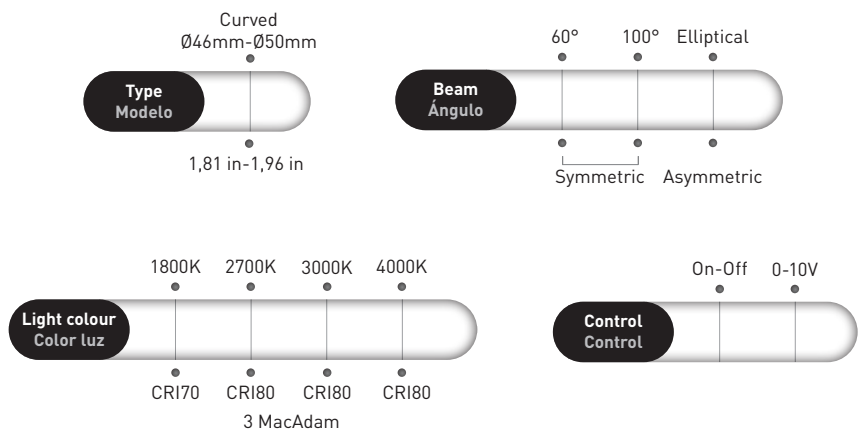
60°
Symmetric



100°
Symmetric



Elliptical
Asymmetric



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

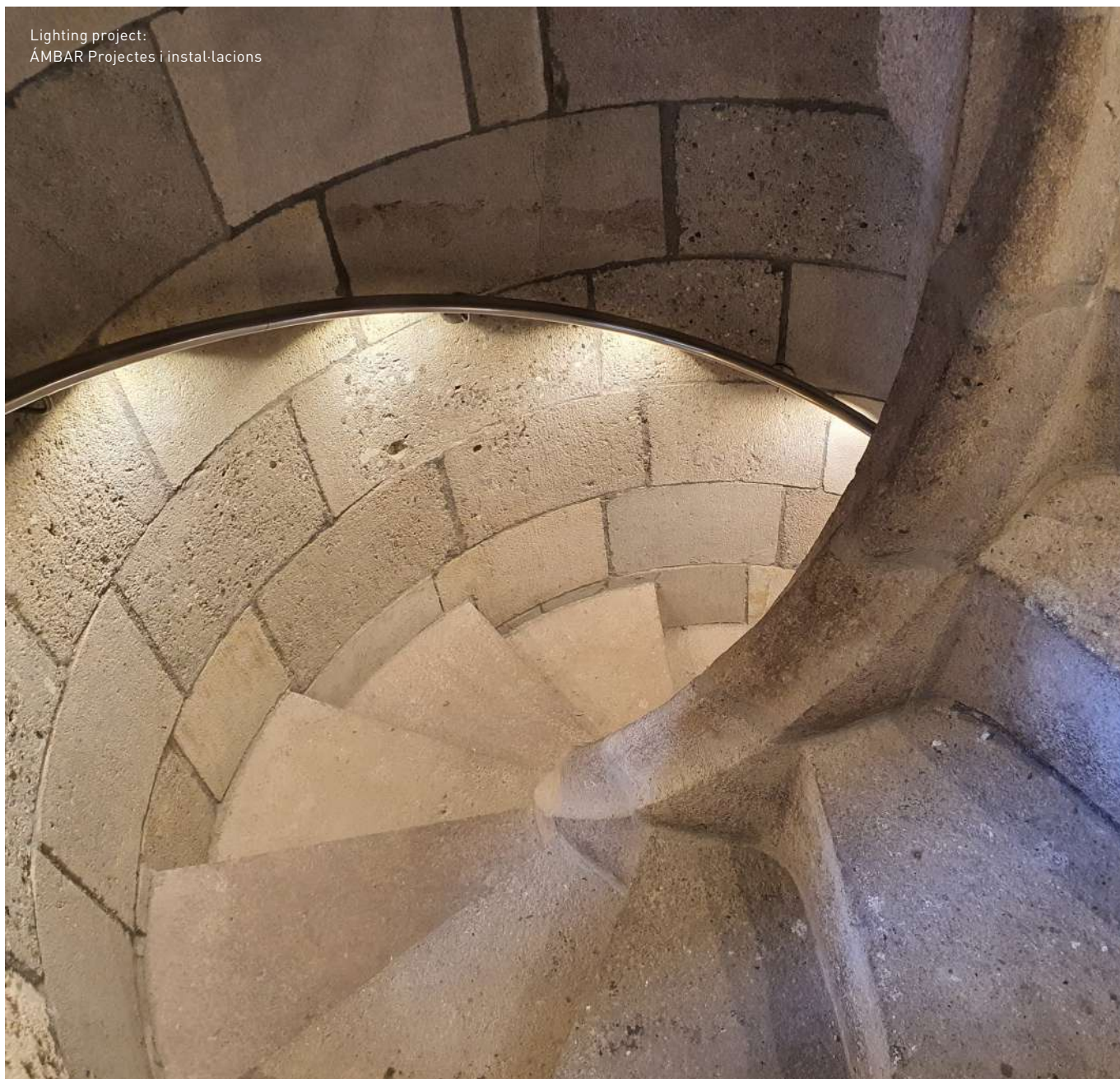
Suitable for handrails with diameter Ø48 mm.
Apto para barandillas de diámetro Ø48mm.

SPECIFICATIONS CARACTERÍSTICAS

	IP66	IK10	CRI>80	CRI>70 1800K	on/off	0-10V	Chrome brass Housing	PC Lens	L80 B10 >70.000h Ta +25°C	Ta min -20°C -4°F Ta max +50°C +122°F	CB Test	CE
--	------	------	--------	-----------------	--------	-------	----------------------------	------------	---------------------------------	--	------------	----

Handrail Dot Gen 2				
Power	1,5 W (500mA)			
Color temperatures	1800K	2700K	3000K	4000K
Lumens output	60° - 101 lm 100° - 137 lm Elliptical-Asym. - 105 lm	60° - 129 lm 100° - 174 lm Elliptical-Asym. - 134 lm	60° - 138 lm 100° - 187 lm Elliptical-Asym. - 144 lm	60° - 147 lm 100° - 199 lm Elliptical-Asym. - 153 lm
Luminaire efficiency	91 lm/W	116 lm/W	124 lm/W	132 lm/W
Measures / Weight	Ø14,7 x 15 mm / 0,1 kg			

Lighting project:
ÀMBAR Projectes i instal·lacions



Basilica de la Sagrada Familia,
Barcelona, SPAIN

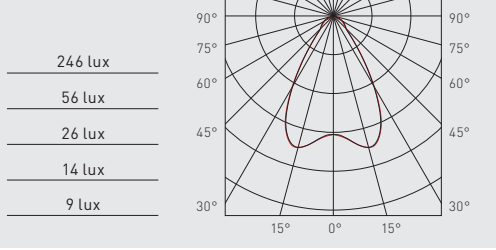
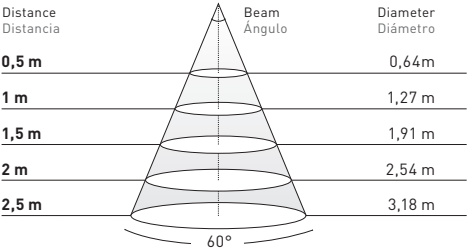
Color temperature conform to ANSI C78.377A.
Temperatura de color según normativa ANSI C78.377A.

LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

Handrail Dot

60°

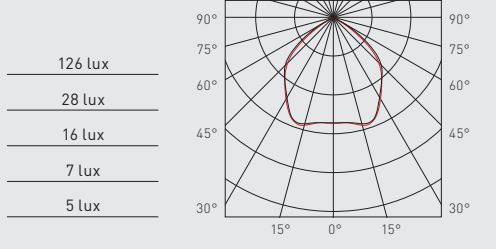
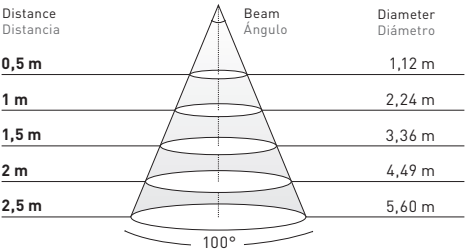
2700K



Handrail Dot

100°

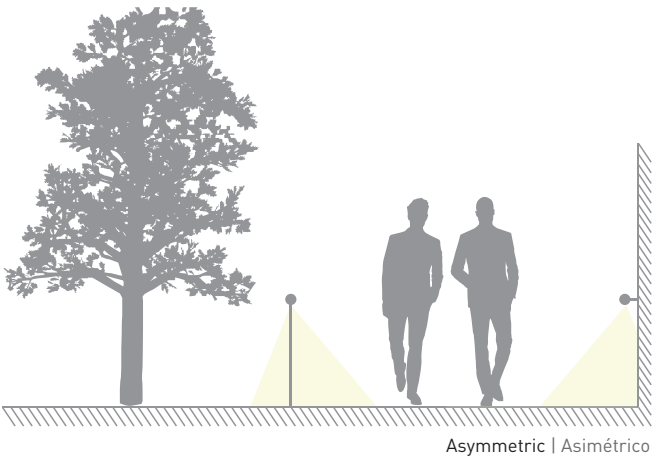
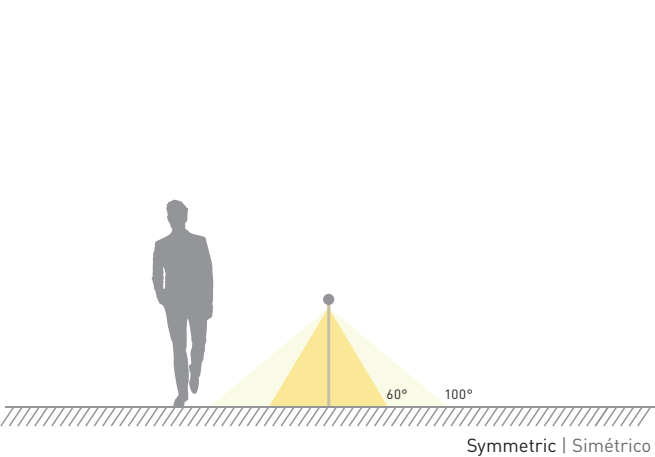
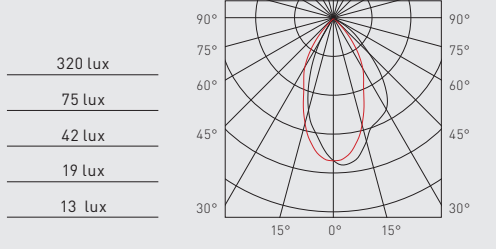
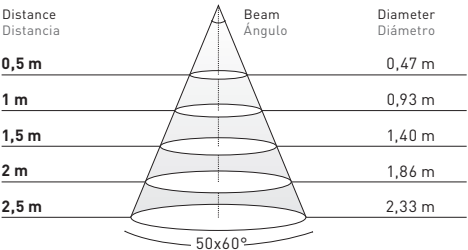
2700K



Handrail Dot Asym.

Elliptical-Asym

2700K

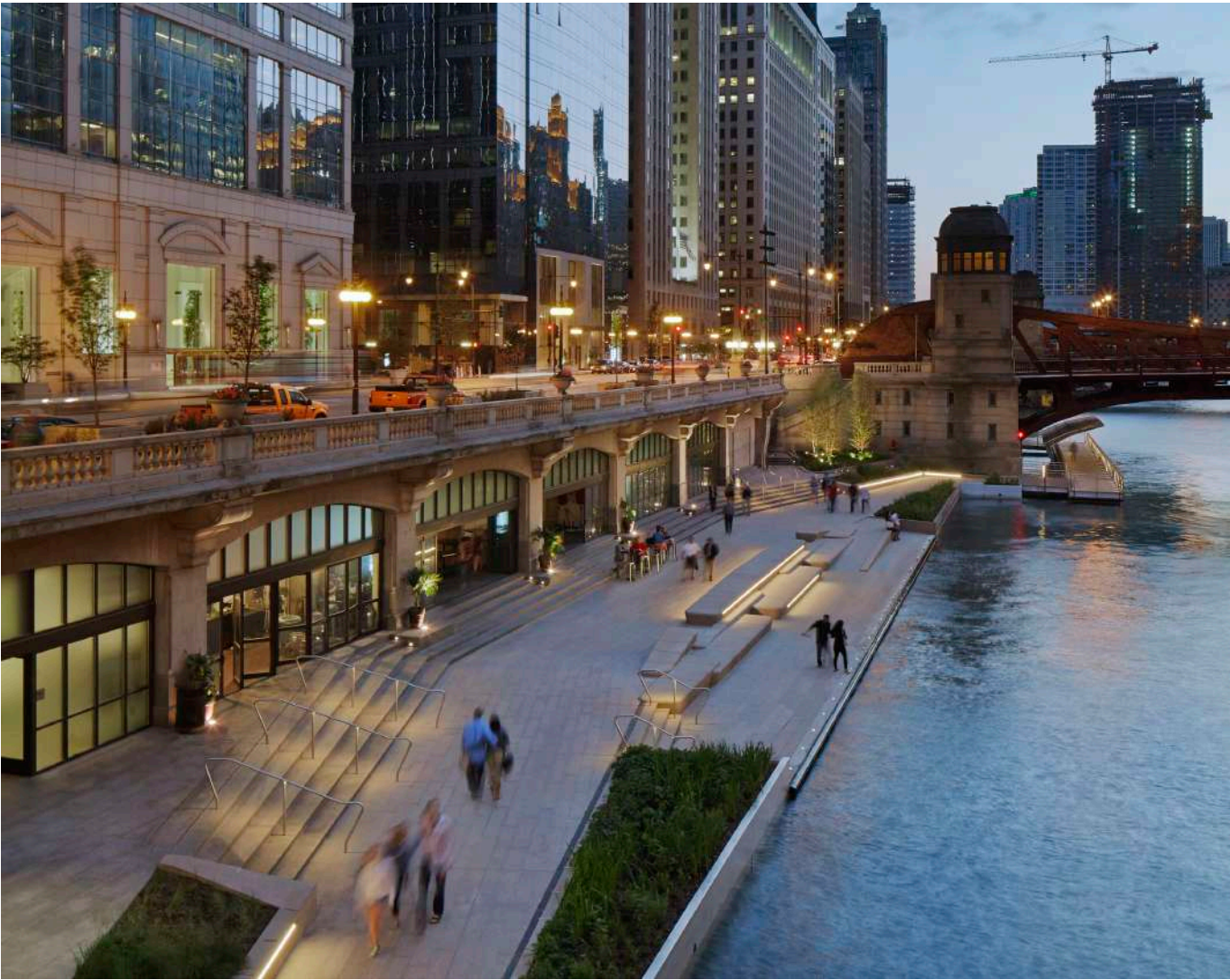
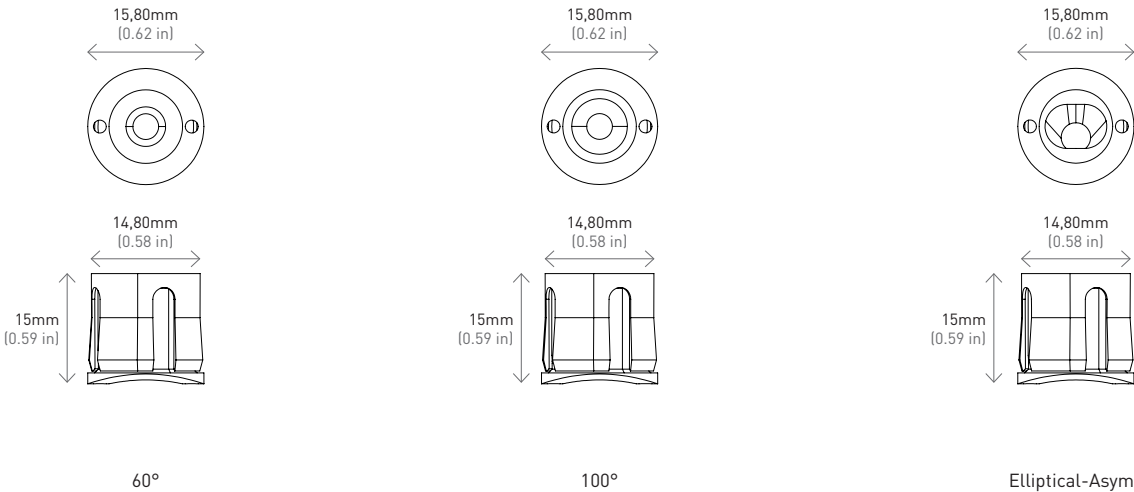


Data calculated with **Handrail Dot**.
Lumen measurement complies with **UNE-EN 13032 / IES LM-79-08** testing procedures.
Light distribution curves are available at **www.mclight.com**.
Due to continuous improvements and innovations, specifications may change without notice.

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



Chicago Riverwalk,
USA

HANDRAIL DOT Gen 2

Snap-in fit

FINISHES ACABADOS

In order to satisfy all our customers we offer curved types suitable for handrails with diameter from Ø46mm to Ø50mm.
Con el fin de satisfacer las necesidades de nuestros clientes, están disponibles modelos curvados aptos para barandillas de Ø46mm hasta Ø50mm.



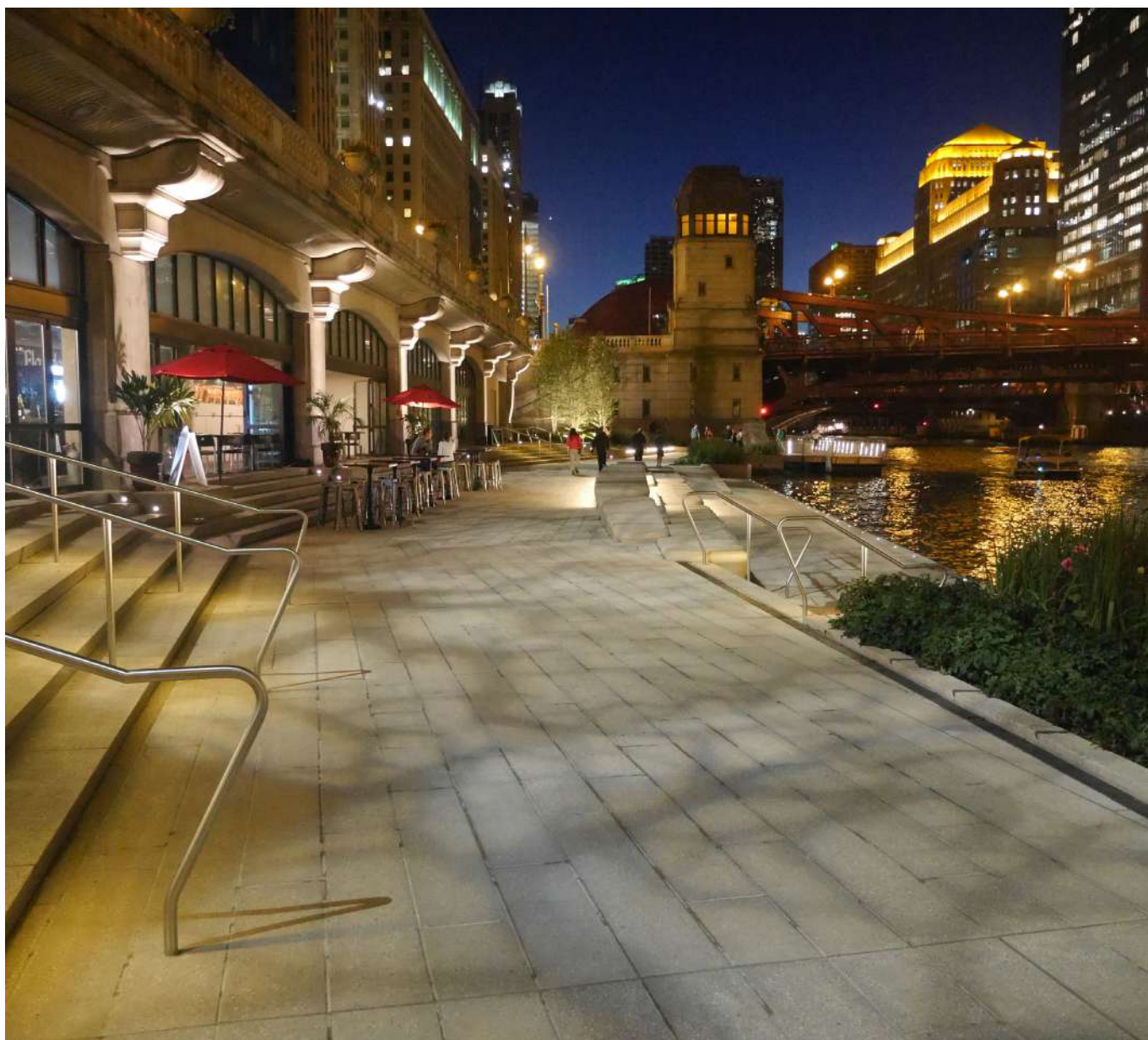
Symmetric 60° model
Modelo simétrico 60°



Symmetric 100° model
Modelo simétrico 100°



Asymmetric elliptical model
Modelo asimétrico elíptico



Chicago Riverwalk,
USA

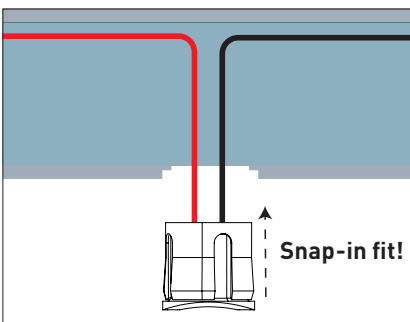
DETAILS
DETALLES



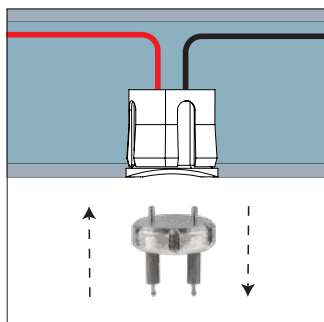
Kit for machining (ref. 7015191)
Kit para mecanizar (ref. 7015191)



Milling cutter Ø15 & Ø16 (ref. 7015192 & 7015193)
Fresa del Ø15 y Ø16 (ref. 7015192 y 7015193)



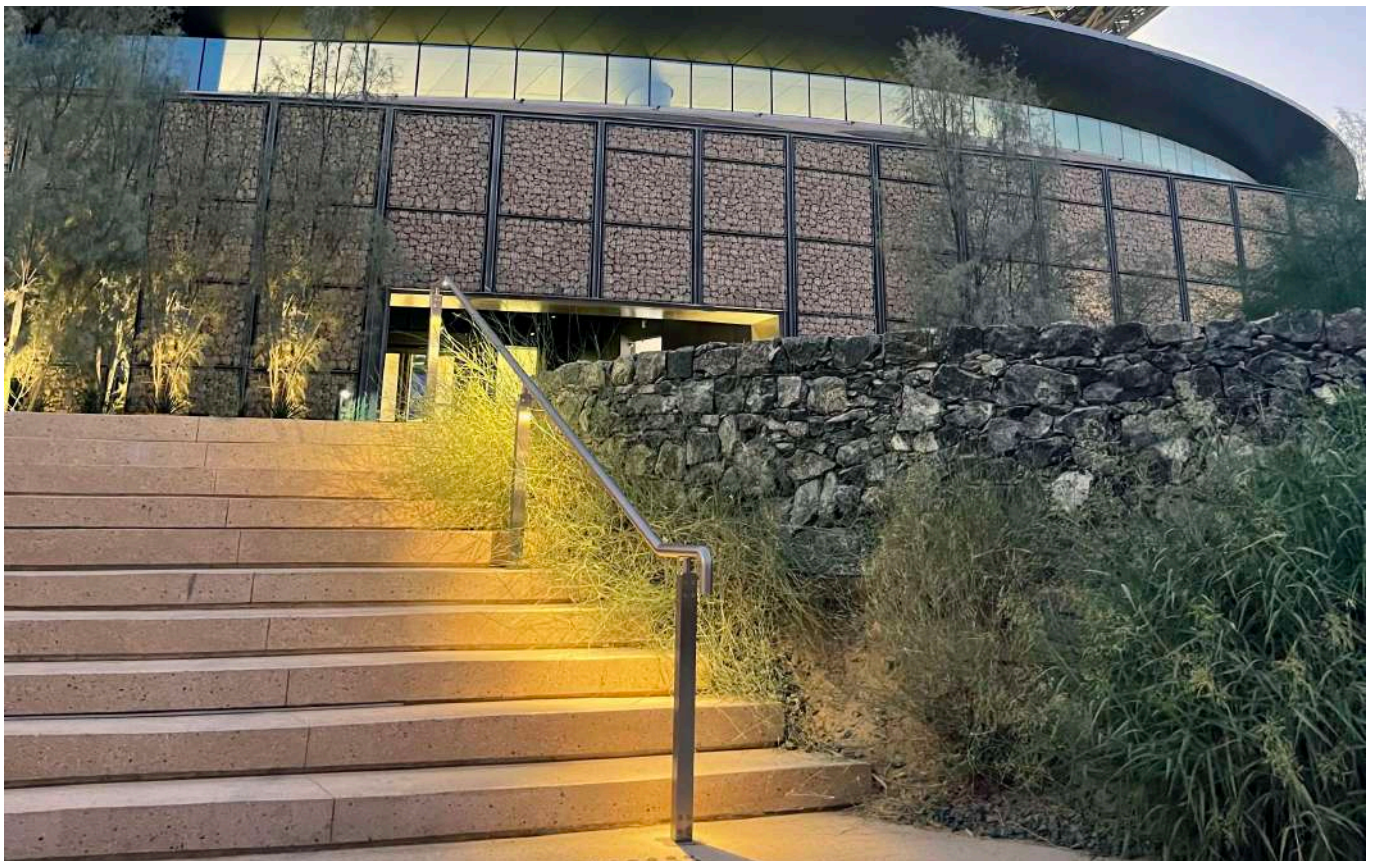
Snap-in fit. Double drill of Ø15 mm and Ø16mm to align the recessed plot.
Clipaje a presión. Doble taladro de Ø15mm y Ø16mm para que quede enrasado el plot.



Positioning and extraction tool (ref. 7015190)
Útil de posicionamiento y extracción (ref. 7015190)



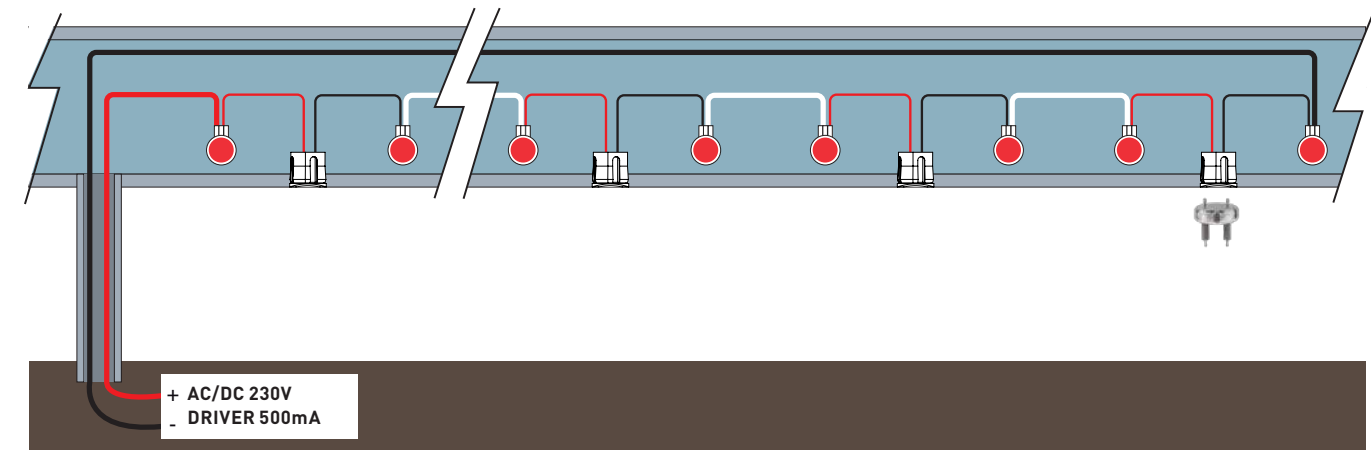
Chrome brass unibody dot
Dot monobloque de latón cromado



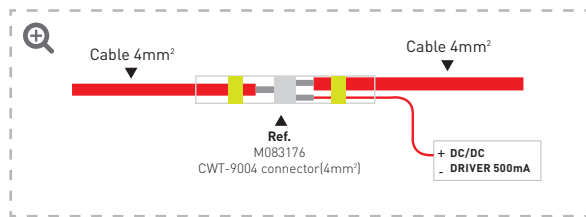
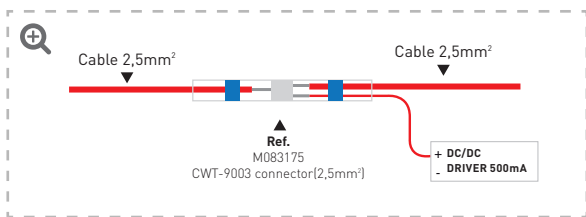
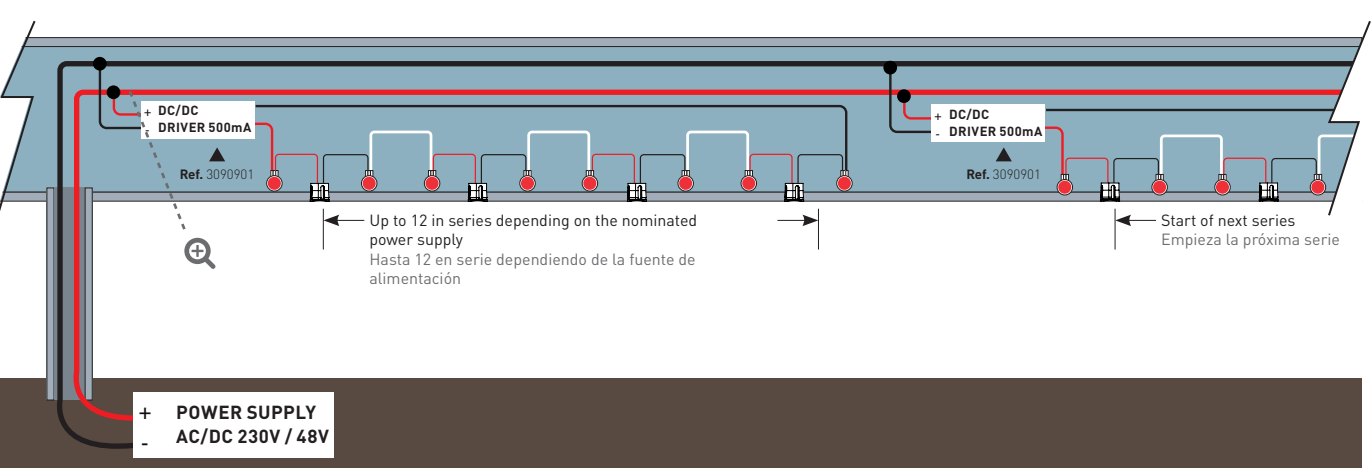
Expo DUBAI 2020,
UAE

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
3090915 (Driver)	From 9 up to 14 dots De 9 a 14 dots
3090917 (Driver)	From 25 up to 35 dots De 25 a 35 dots

B IN-TUBE DRIVER INSTALLATION
INSTALACIÓN DRIVER INTERNO

3090538 (Power supply)	Up to 8 series x 12 dots= 96 dots Hasta 8 series x 12 dots = 96 dots
3090539 (Power supply)	Up to 16 series x 12 dots= 192 dots Hasta 16 series x 12 dots = 192 dots
3090901 (Driver)	From 1 up to 12 dots De 1 a 12 dots

REFERENCES REFERENCIAS

70151 2 X /XX/XXX

COLOUR COLOR

/70/1K8 1800K
/80/2K7 2700K
/80/3K 3000K
/80/4K 4000K

ANGLE ÁNGULO

2 60°
3 100°
5 Eliptical Asymetric

TYPE MODELO

2 Curved Ø46-50 mm

 To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

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	1
3090915	IP67 Driver 500 mA 20W [25,2V-42V] On/Off, 0-10V	From 9 up to 14 dots De 9 a 14 dots	2
3090917	IP67 Driver 350-1050 mA 75W [53V-107V] On/Off	From 25 up to 35 dots De 25 a 35 dots	3

B - In-tube driver installation | Instalación driver interno

3090538	IP67 Power Supply 150W [48V DC] On/Off	Up to 8 series x 12 dots = 96 dots Hasta 8 series x 12 dots = 96 dots	4
3090539	IP67 Power Supply 320W [48V DC] On/Off	Up to 16 series x 12 dots = 192 dots Hasta 16 series x 12 dots = 192 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

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M083025	End piece connector (0,4-0,7mm ²)	Conector terminal (0,4-0,7mm 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
7015190	Positioning and extraction tool	Útil de posicionamiento y extracción	4
7015191	Kit for machining	Kit para mecanizar	5
7015192	Spare milling cutter Ø15	Recambio fresa Ø15	6
7015193	Spare milling cutter Ø16	Recambio fresa Ø16	7





ADJUSTABLE UPLIGHT®

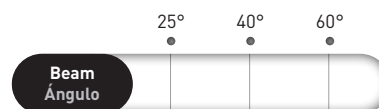
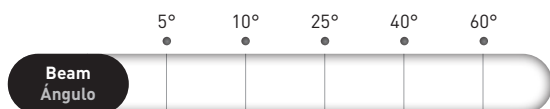
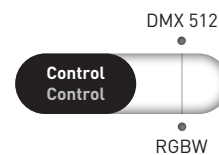
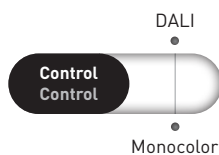
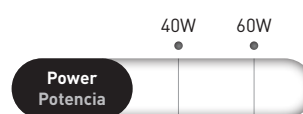
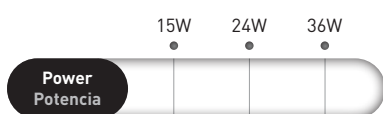
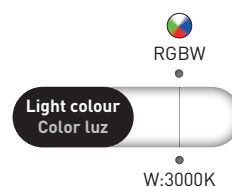
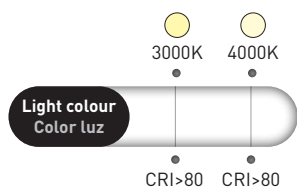
MONOCOLOR | RGBW



UPLIGHT® ADJUSTABLE

±25° TILTABLE

- Beam directional adjustable in-ground fixture
- ±25° Tilttable on body
- DALI dimmable monocolour types and RGBW controllable by DMX512
- IK10 due to 10mm Ultra White Tempered Glass
- RGBW models with multichip LED (4x1)
- 316 Stainless steel frame and grey aluminum body
- ABS recessed box and wire with H20 Stop
- Uplight con haz de luz orientable
- Orientación del haz de luz ±25° sin abrir la luminaria
- Modelos monocolor dimerizables DALI y RGBW controlable con DMX512
- IK10 gracias a su cristal super transparente de 10mm
- Modelos RGBW con LEDs multichip (4x1)
- Cuerpo de aluminio color gris y aro de acero inoxidable 316
- Caja de empotrar de ABS y cable con H20 stop



SPECIFICATIONS CARACTERÍSTICAS



220-240V
AC

110-240V
AC

IP67

IK10

CRI 80

DALI

DMX

Stainless
steel
316

AL
Housing

HEAT
SHOCK
tested

Security
GLASS
Cover

L80 B10
>50.000h
Ta +25°C

Ta min -25°C
-13°F
Ta max +50°C
+122°F



Monocolor

RGBW

Frame

Uplight adjustable Monocolor 15W		
Power	15 W	
Color temperatures	3000K	4000K
Lumens output	5° - 895 lm 10° - 910 lm 25° - 930 lm 40° - 945 lm 60° - 960 lm	5° - 960 lm 10° - 975 lm 25° - 995 lm 40° - 1010 lm 60° - 1025 lm
Luminaire efficiency	60 lm/W	64 lm/W
Voltage	220-240V AC	
Measures	Ø160 x 159 mm	
Weight	3 kg	

Uplight adjustable Monocolor 24W		
Power	24 W	
Color temperatures	3000K	4000K
Lumens output	5° - 1320 lm 10° - 1345 lm 25° - 1370 lm 40° - 1390 lm 60° - 1415 lm	5° - 1412 lm 10° - 1440 lm 25° - 1465 lm 40° - 1485 lm 60° - 1515 lm
Luminaire efficiency	59 lm/W	63 lm/W
Voltage	220-240V AC	
Measures	Ø182 x 169 mm	
Weight	3,5 kg	

Uplight adjustable Monocolor 36W		
Power	36 W	
Color temperatures	3000K	4000K
Lumens output	5° - 3130 lm 10° - 3170 lm 25° - 3200 lm 40° - 3240 lm 60° - 3275 lm	5° - 3350 lm 10° - 3390 lm 25° - 3425 lm 40° - 3465 lm 60° - 3505 lm
Luminaire efficiency	91 lm/W	97 lm/W
Voltage	220-240V AC	
Measures	Ø208 x 185 mm	
Weight	5 kg	

Uplight adjustable RGBW					
Power	40 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output	25° - 317 lm 40° - 325 lm 60° - 333 lm	25° - 713 lm 40° - 730 lm 60° - 747 lm	25° - 222 lm 40° - 227 lm 60° - 232 lm	25° - 552 lm 40° - 564 lm 60° - 577 lm	25° - 1660 lm 40° - 1677 lm 60° - 1713 lm
Luminaire efficiency	46 lm/W				
Voltage	110-240V AC				
Measures	Ø208 x 185 mm				
Weight	5 kg				

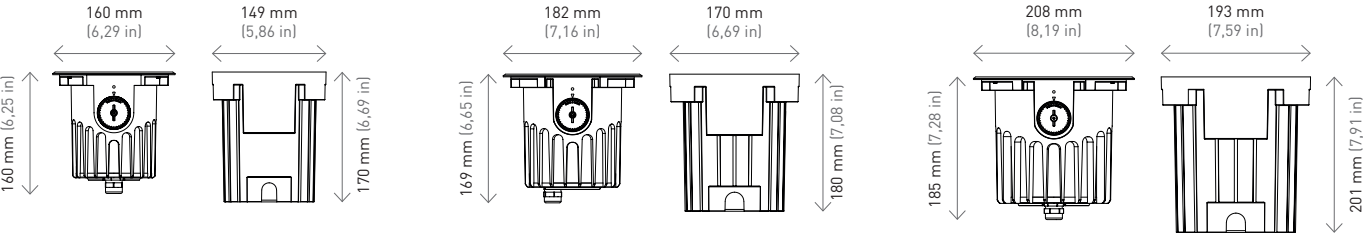
Uplight adjustable RGBW					
Power	60 W				
Color temperatures	RGBW				
	Red	Green	Blue	3000K	R+G+B+W
Lumens output	25° - 476 lm 40° - 488 lm 60° - 500 lm	25° - 1070 lm 40° - 1095 lm 60° - 1120 lm	25° - 333 lm 40° - 340 lm 60° - 348 lm	25° - 827 lm 40° - 846 lm 60° - 865 lm	25° - 2488 lm 40° - 2515 lm 60° - 2570 lm
Luminaire efficiency	46 lm/W				
Voltage	110-240V AC				
Measures	Ø248 x 210 mm				
Weight	7,5 kg				

UPLIGHT® ADJUSTABLE

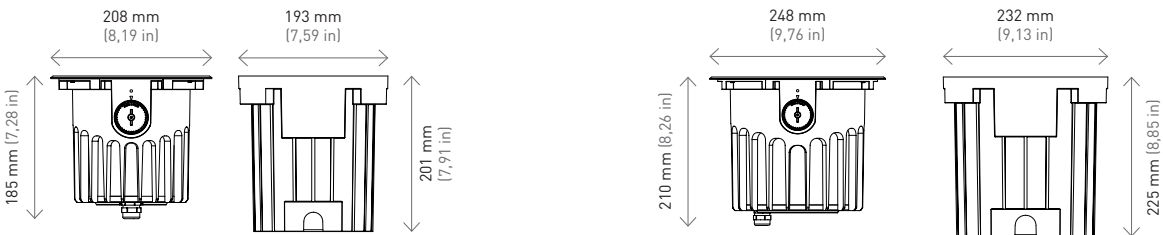
±25° TILTABLE

MEASURES MEDIDAS

Uplight Adjustable Monocolor

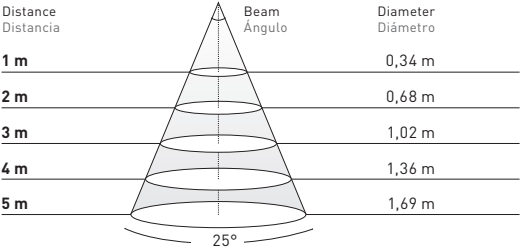


Uplight Adjustable RGBW



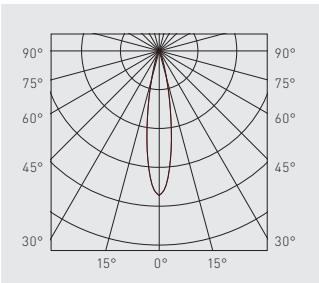
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Uplight adjustable Monocolor

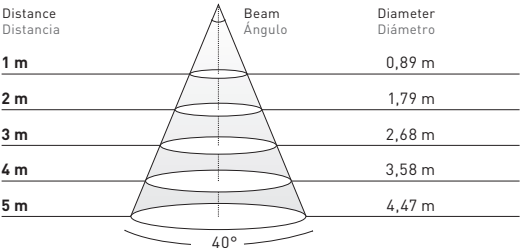


36W

3000K

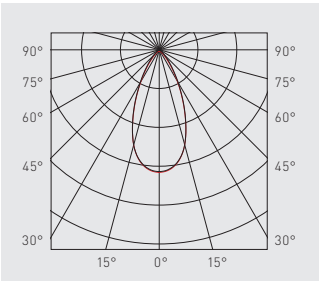


Uplight adjustable RGBW



60W

RGBW



Data calculated with **Uplight Adjustable**
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 **Uplight Adjustable**
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



316 stainless steel frame. IK10 due to 10mm Glass.
Aro de acero inoxidable 316. IK10 gracias a su cristal de 10mm.



ABS recessed box.
Cajetín empotrar de ABS.



Antiglare in-ground fixture due to recessed optic.
Luminaria antideslumbrante gracias a su óptica retranqueada.



Adjustable beam angle (±25°).
Haz de luz orientable (±25°).



RGBW.
RGBW.

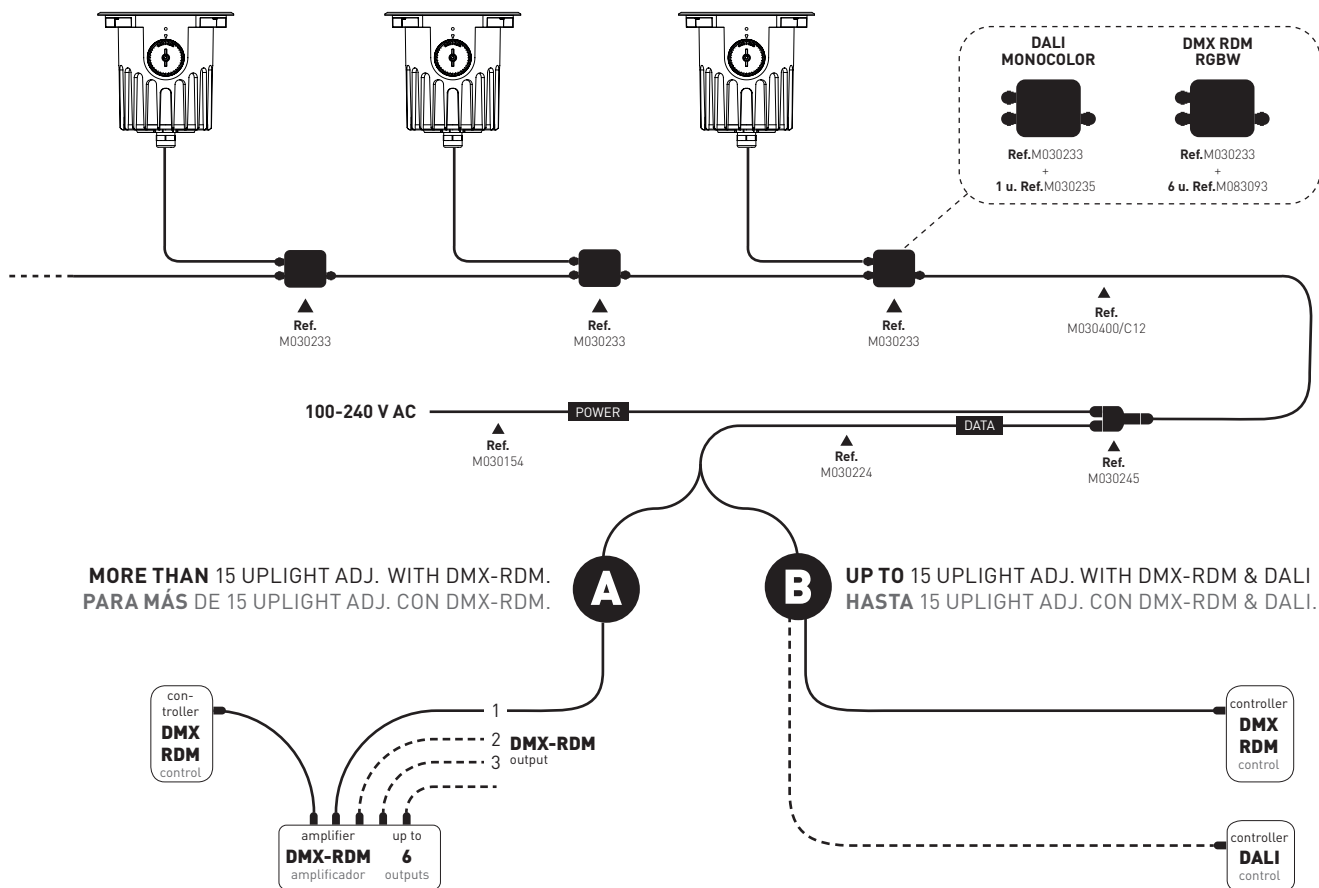


Wire H20 stop.
Cable con H20 stop.

UPLIGHT® ADJUSTABLE

±25° TILT/ABLE

DALI (MONOCOLOR) & DMX-RDM (RGBW) CONNECTIONS CONEXIONES DALI (MONOCOLOR) Y DMX-RDM (RGBW)



A

MORE THAN 15 UPLIGHT ADJ. WITH DMX-RDM. PARA MÁS DE 15 UPLIGHT ADJ. CON DMX-RDM.

Maximum 15 Uplight adj. per DMX-RDM output.
Maximum 100 m from controller to the amplifier.
Maximum 100 m from amplifier to last Uplight adj.

Máximo 15 Uplight adj. por salida DMX-RDM.
Máximo 100 m del controlador al amplificador.
Máximo 100 m del amplificador al último Uplight adj.

B

UP TO 15 UPLIGHT ADJ. WITH DMX-RDM & DALI. PARA MENOS DE 15 UPLIGHT ADJ. CON DMX-RDM Y DALI.

Maximum 15 Uplight adj. per DMX-RDM controller.
Maximum 100 m from controller to last Uplight adj.
Follow connection diagram type B for DALI installations.

Máximo 15 Uplight adj. por controlador DMX-RDM.
Máximo 100 m del controlador al último Uplight adj.
Para instalación DALI seguir el conexionado tipo B.

REFERENCES REFERENCIAS

71322	X	X	X	/XX/XXX
COLOR		COLOR		
/80/3K		3000K		
/80/4K		4000K		
/11-3K		RGBW (3000K)		
ANGLE		ÁNGULO		
0	5°	Monocolor		
1	10°	Monocolor		
2	25°	Monocolor RGBW		
3	40°	Monocolor RGBW		
4	60°	Monocolor RGBW		
POWER		POTENCIA		
0	15W	Monocolor		
1	24W	Monocolor		
2	36W	Monocolor		
3	40W	RGBW		
4	60W	RGBW		
CONTROL		CONTROL		
3		Monocolor DALI		
5		RGBW DMX		

OPTIONS OPCIONES

Also available on request in :

Monochrome: 2700K, 3500K and 5000K

RGBW: White 2700K, 4000K and 5000K

También disponible bajo demanda en:

Monocolor: 2700K, 3500K y 5000K

RGBW: 2700K, 4000K y 5000K

Also available on request monochrome beam angle 20°, 30°, 10°x22° and 20°x60°.

También disponible bajo demanda ópticas para monocolor 20°, 30°, 10°x22° y 20°x60°.

The honeycomb must be ordered together with the lighting fixture.

El panel de abeja debe pedirse junto con la luminaria.



ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



For installation DMX /DALI

Para instalación DMX/DALI

M030245	IP68 "Y" connection Ø6-17mm Tee Tube (5 poles)	Conexión "Y" Ø6-17mm IP68 Tee Tube (5 polos)	2
7150203	DMX Addresser Setup	DMX Addresser Setup	
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)	
M030400/C12	3 x 1,5 mm² + 2 x AWG22 PUR Cable (m)	Cable PUR 3 x 1,5 mm² + 2 x AWG22 (m)	
M030233	Derivation box	Caja derivación	1
M030235	5 way terminal block	Regleta 5 vías	
M083093	Conector scotchlock 3M 314 (0,5-1,5 mm²)	Conector scotchlock 3M 314 (0,5-1,5 mm²)	3

Caelis restaurant,
Barcelona, Spain





DOWNITO® 70



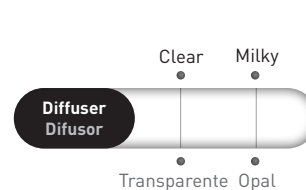
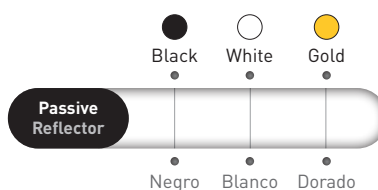
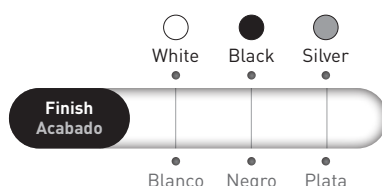
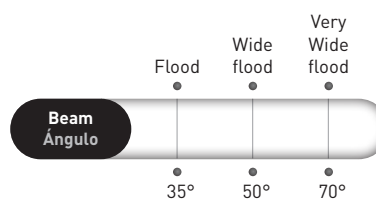
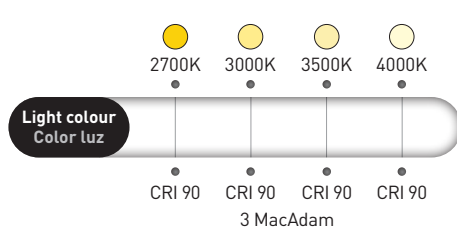
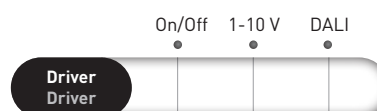
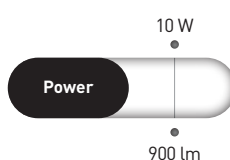
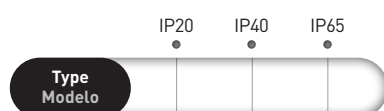
DOWNITO®70

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


IP20
IP40
IP65

UGR
<19

on/off

DALI

1-10V

Driver
Not
Included

AL
Housing

L80 B10
>60.000h
Ta +25°C

Ta
-20°C
-4°F
Ta
+50°C
max +122°F


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

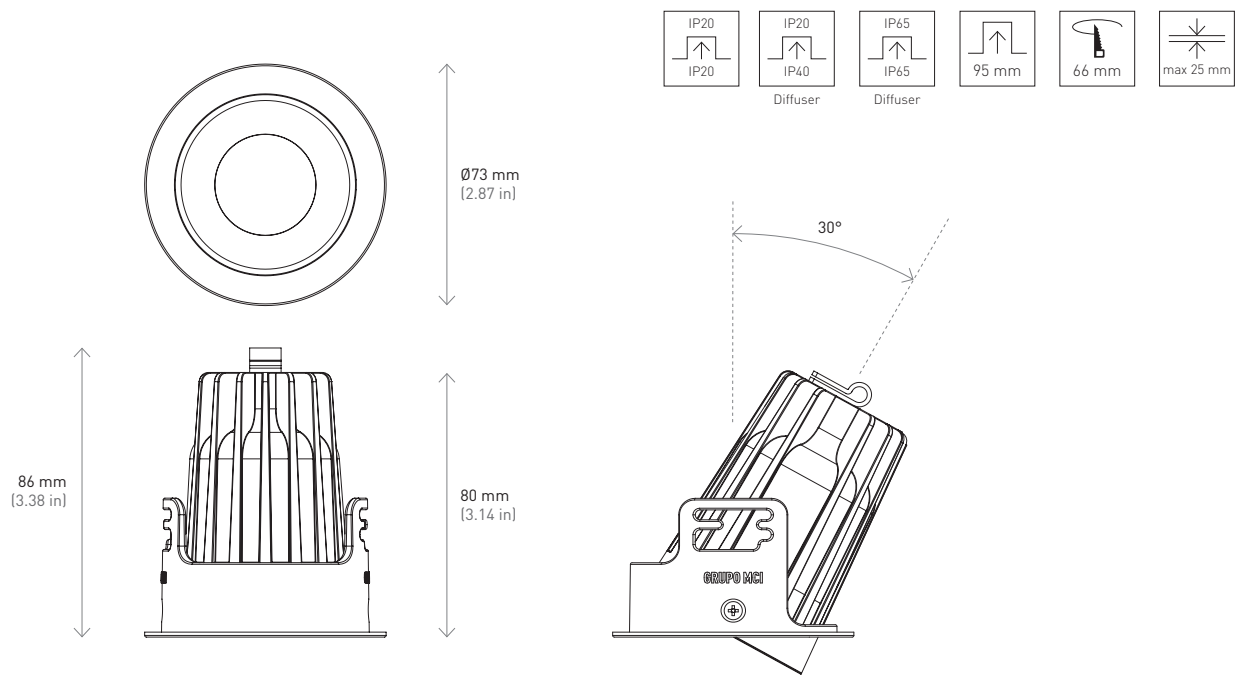


Room Mate Anna Hotel,
Barcelona, Spain

Color temperature conform to **ANSI C78.377A**.
 Temperatura de color según normativa **ANSI C78.377A**.

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)



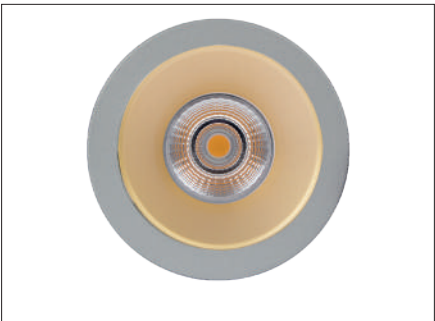
Silver.
Plata. (RAL 9006)



Black.
Negro. (RAL 9011)

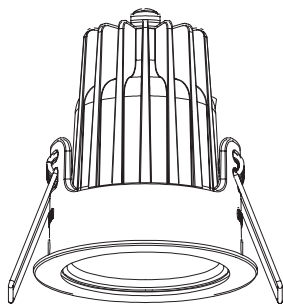
DETAILS DETALLES

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



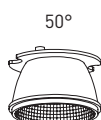
COB



COB holder



35°



50°

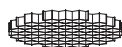


70°

Active reflector
(Engineering by Bartenbach)

Gasket

Honeycomb (IP20)

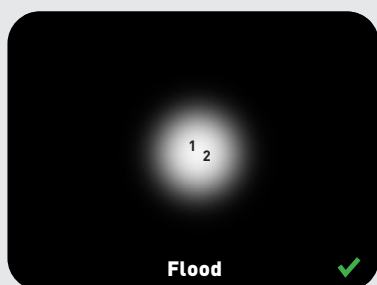


Diffuser (IP40 & IP65)

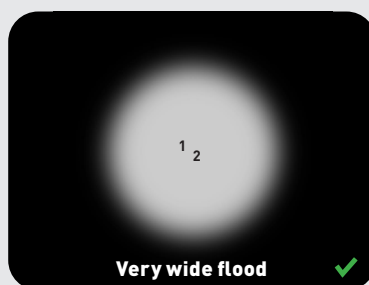
Honeycomb accessory (IP20)
or
Diffuser (IP40 & IP65)
Clear and Milky

Passive reflector (paintable)

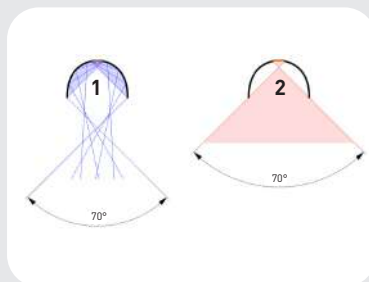
MCI TECHNOLOGY



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

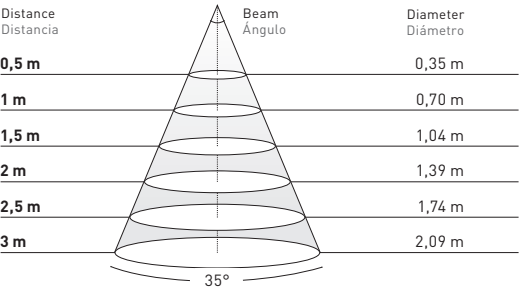
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 70

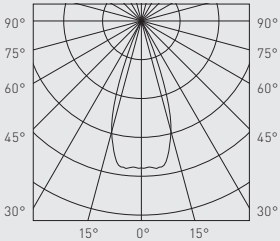
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 70

10 W 35°

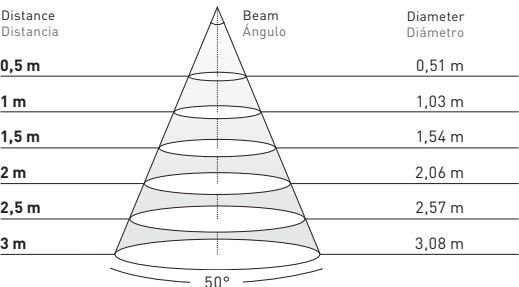


2700K	3000K	4000K
7.614 lux	8.015 lux	8.336 lux
1.903 lux	2.004 lux	2.084 lux
846 lux	891 lux	852 lux
476 lux	501 lux	521 lux
305 lux	321 lux	334 lux
211 lux	223 lux	232 lux

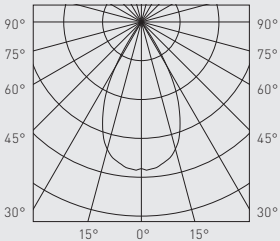


Downito® 70

10 W 50°

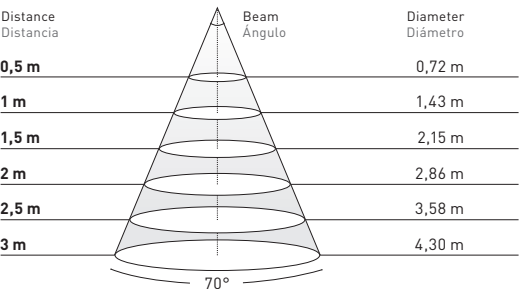


2700K	3000K	4000K
4.537 lux	4.776 lux	4.967 lux
1.134 lux	1.194 lux	1.242 lux
504 lux	531 lux	552 lux
284 lux	299 lux	311 lux
181 lux	191 lux	199 lux
126 lux	133 lux	138 lux

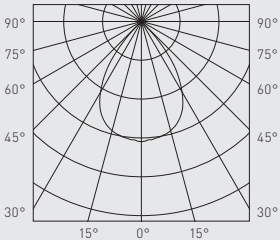


Downito® 70

10 W 70°



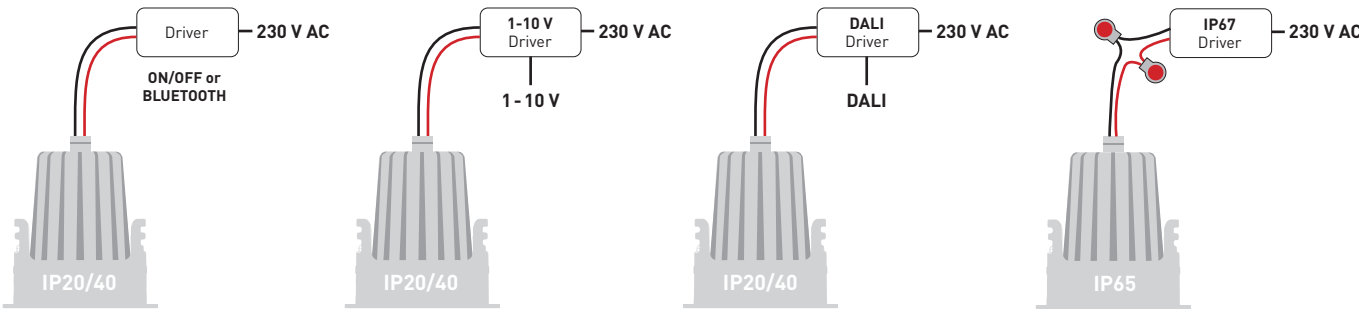
2700K	3000K	4000K
2.831 lux	2.980 lux	3.099 lux
716 lux	745 lux	775 lux
314 lux	331 lux	344 lux
176 lux	186 lux	193 lux
113 lux	119 lux	124 lux
79 lux	83 lux	86 lux



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

1

2

3



Drivers 350mA			
3090782	On-Off Led Driver 350mA 12W	Led Driver 350mA 12W On-Off	1
3090701	1-10V Led Driver Multi-power 350mA-900mA 0W-20W	Led Driver Multi-power 350mA-900mA 0W-20W 1-10V	2
3090765	DALI PUSH Led Driver Multi-power 300mA-1050mA 3-38W	Led Driver Multi-power 300mA-1050mA 3-38W DALI PUSH	
IP67 Drivers 350mA			
3090788	1-10V Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W 1-10V	3
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	
7150942	Bluelight link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluelight link	

ACCESSORIES REFERENCES
REFERENCIAS ACCESORIOS

1



M083025	End piece connector	Conector terminal	1
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Kaskazuri restaurant,
San Sebastián, Spain





DOWNITO® 70 SQUARE

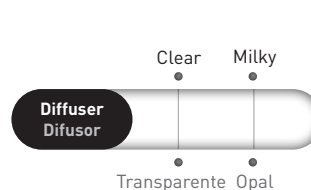
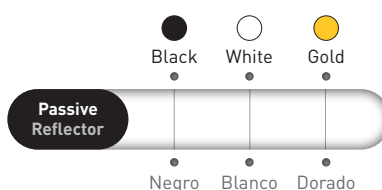
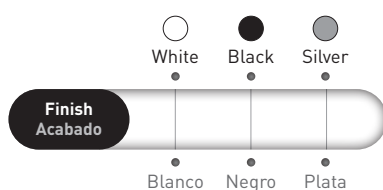
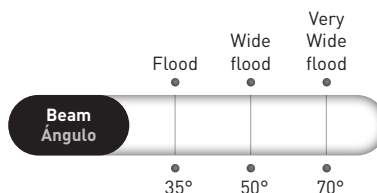
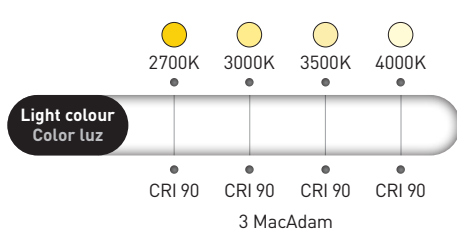
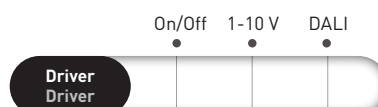
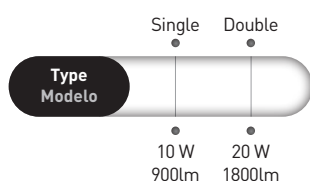


DOWNITO®70 Square

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

	IP20 IP54 IP65	UGR <19	on/off	DALI	1-10V	Driver Not Included	AL Housing	L80 B10 >60.000h Ta +25°C	Ta -20°C min -4°F Ta +50°C max +122°F	
---	----------------------	------------	--------	------	-------	---------------------------	---------------	---------------------------------	--	---

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

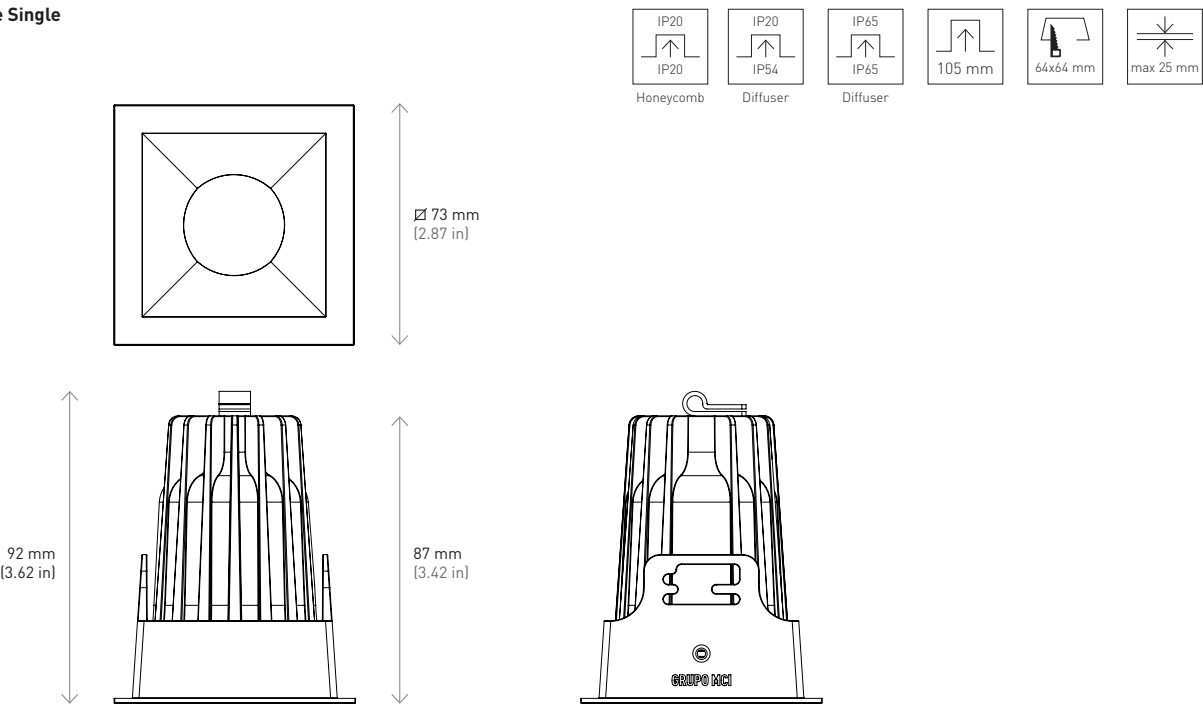


Private Residential,
Ibiza, Spain

DOWNITO®70 SQUARE

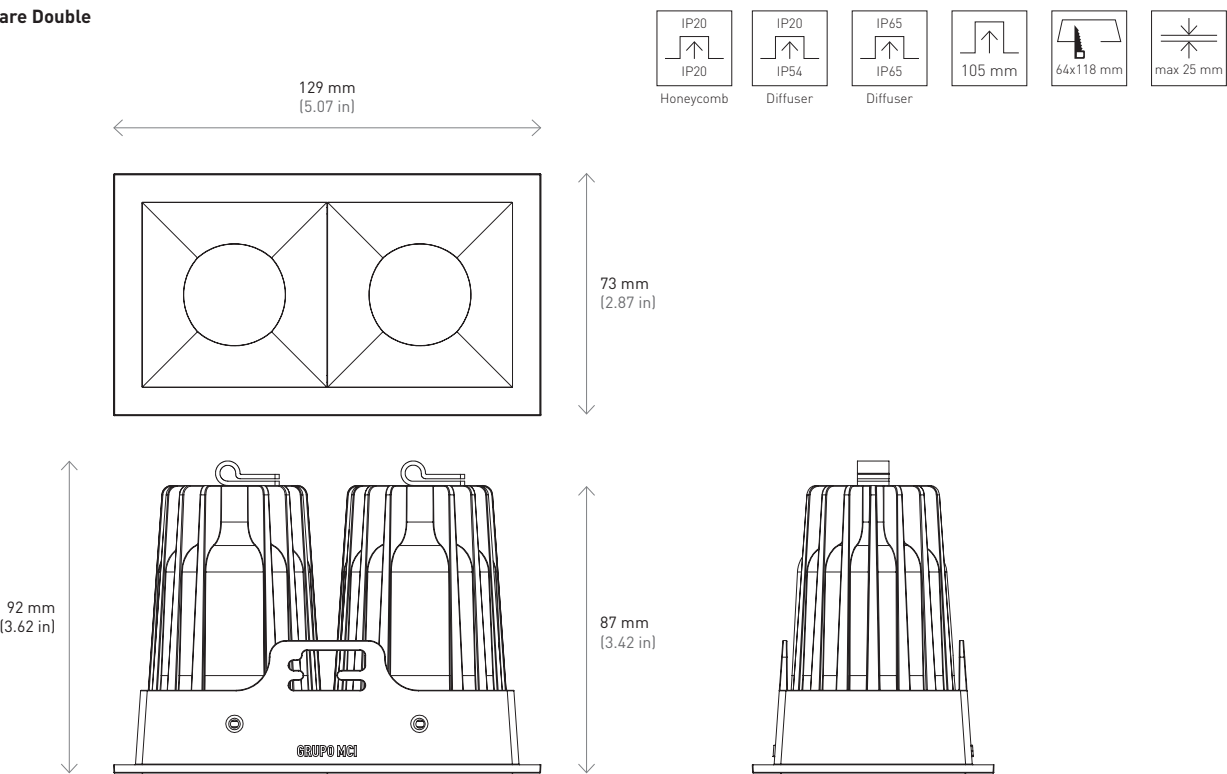
MEASURES MEDIDAS

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)



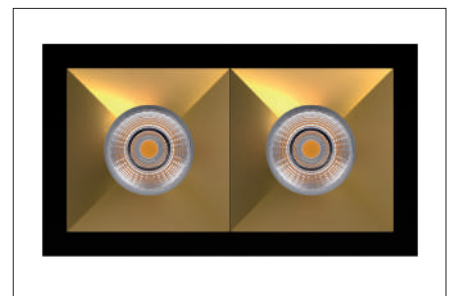
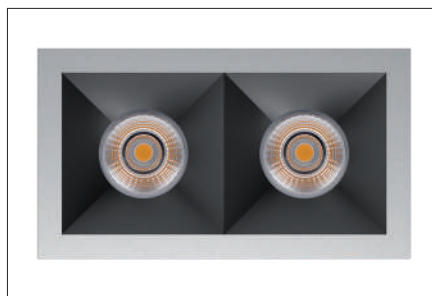
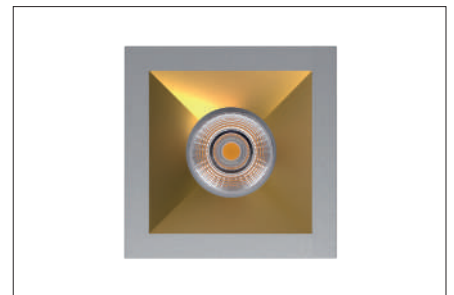
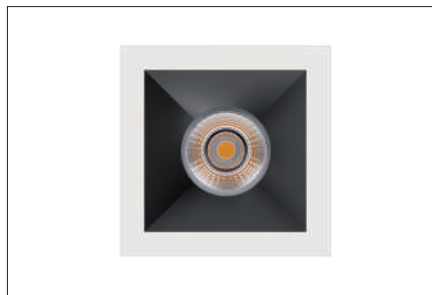
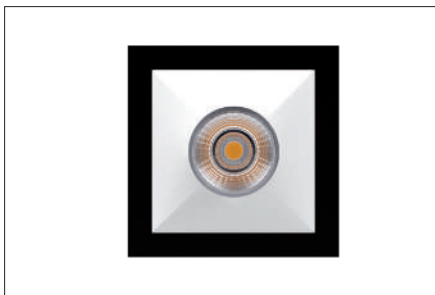
Silver.
Plata. (RAL 9006)



Black.
Negro. (RAL 9011)

DETAILS DETALLES

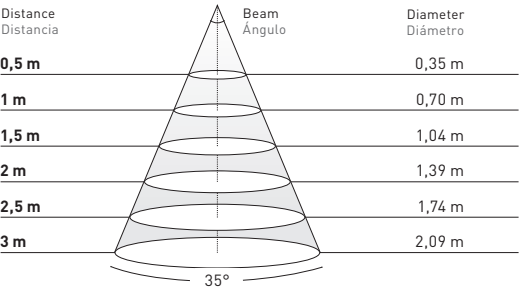
Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



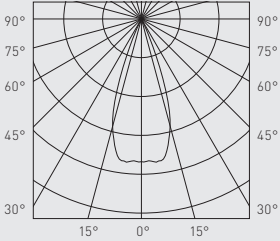
DOWNITO® 70 SQUARE

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

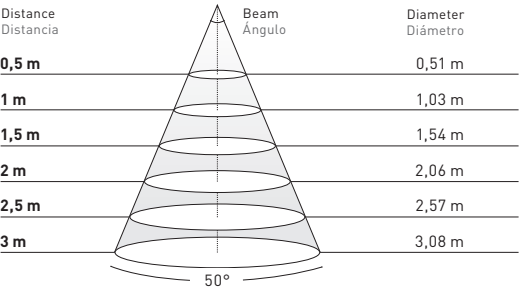
Downito® 70 Square Single 10 W 35°



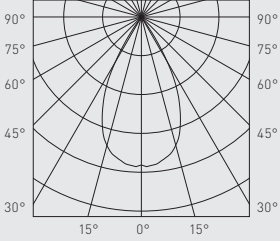
2700K	3000K	4000K
7.614 lux	8.015 lux	8.336 lux
1.903 lux	2.004 lux	2.084 lux
846 lux	891 lux	852 lux
476 lux	501 lux	521 lux
305 lux	321 lux	334 lux
211 lux	223 lux	232 lux



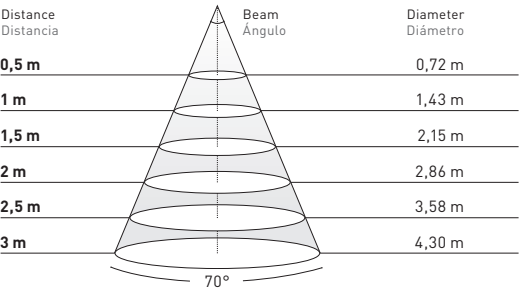
Downito® 70 Square Single 10 W 50°



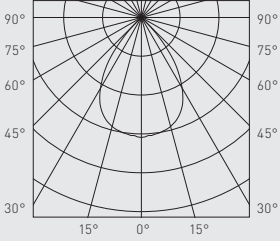
2700K	3000K	4000K
4.537 lux	4.776 lux	4.967 lux
1.134 lux	1.194 lux	1.242 lux
504 lux	531 lux	552 lux
284 lux	299 lux	311 lux
181 lux	191 lux	199 lux
126 lux	133 lux	138 lux



Downito® 70 Square Single 10 W 70°



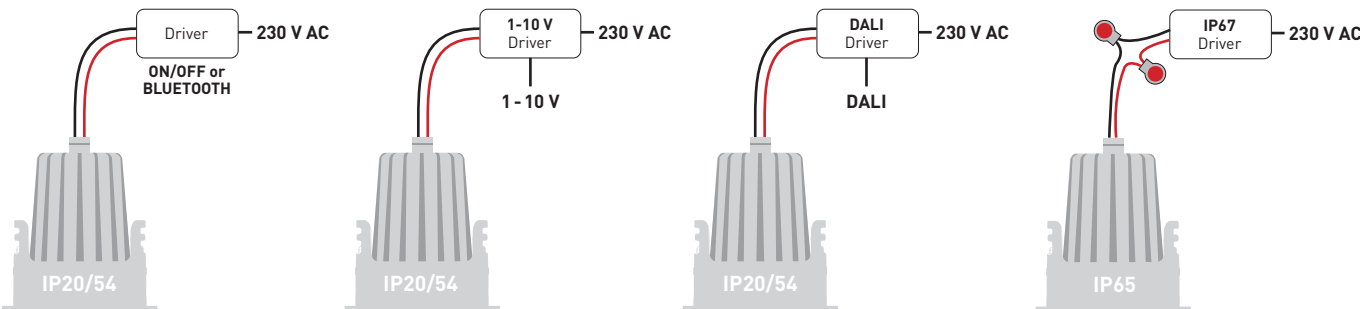
2700K	3000K	4000K
2.831 lux	2.980 lux	3.099 lux
716 lux	745 lux	775 lux
314 lux	331 lux	344 lux
176 lux	186 lux	193 lux
113 lux	119 lux	124 lux
79 lux	83 lux	86 lux



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.

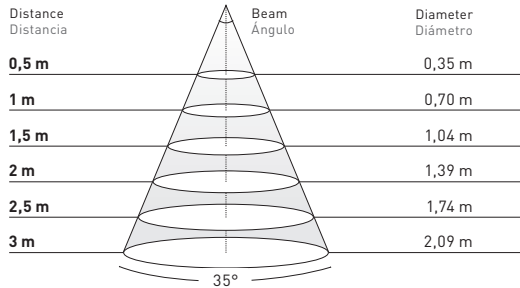
Datos calculados con **Downito®70 Square Single con difusor transparente**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en **www.mclight.com**.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES

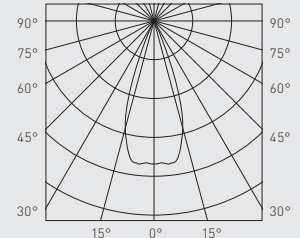


LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

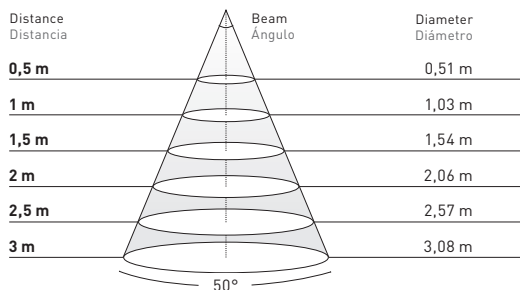
Downito® 70 Square Double 20 W 35°



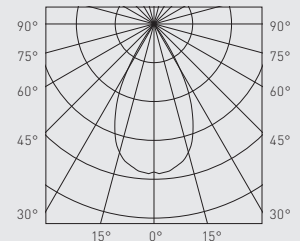
2700K	3000K	4000K
15.229 lux	16.031 lux	16.672 lux
3.807 lux	4.008 lux	4.168 lux
1.691 lux	1.781 lux	1.852 lux
951 lux	1.002 lux	1.042 lux
609 lux	641 lux	666 lux
422 lux	445 lux	462 lux



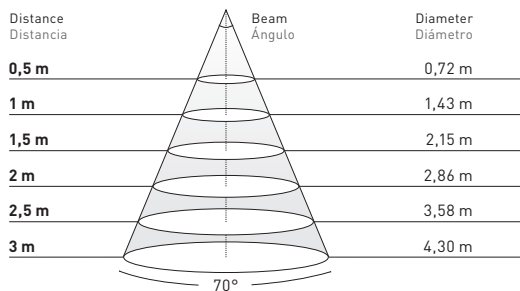
Downito® 70 Square Double 20 W 50°



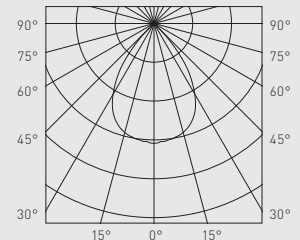
2700K	3000K	4000K
9.075 lux	9.553 lux	9.935 lux
2.268 lux	2.388 lux	2.483 lux
1.008 lux	1.061 lux	1.104 lux
567 lux	597 lux	620 lux
363 lux	382 lux	397 lux
251 lux	265 lux	275 lux



Downito® 70 Square Double 20 W 70°



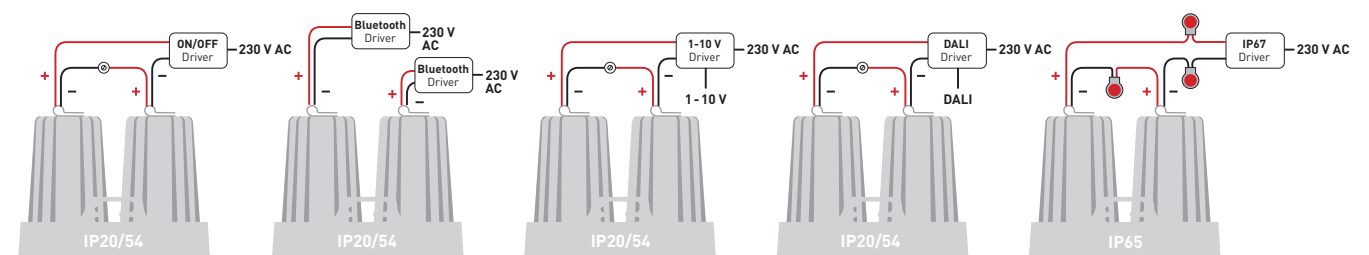
2700K	3000K	4000K
5.662 lux	5.960 lux	6.198 lux
1.415 lux	1.490 lux	1.549 lux
629 lux	662 lux	688 lux
353 lux	372 lux	386 lux
226 lux	238 lux	247 lux
157 lux	166 lux	172 lux



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.

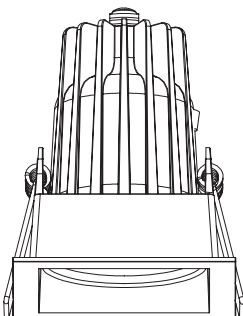
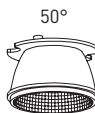
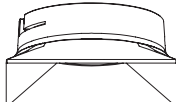
Datos calculados con **Downito® 70 Square Double con difusor transparente**.
Ensayado bajo las especificaciones de la norma **UNE-EN 13032 / IES LM-79-08**.
Fotometrías disponibles en www.mclight.com.
Debido a las continuas mejoras e innovaciones, las especificaciones pueden cambiar sin previo aviso.

CONNECTIONS CONEXIONES

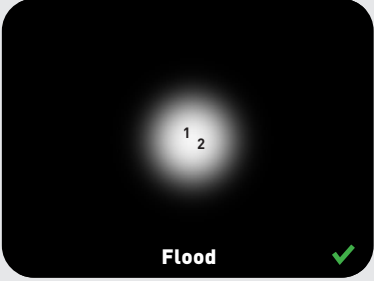


DOWNITO® 70 SQUARE

DETAILS
DETALLES

			
			COB
			COB holder
 35°	 50°	 70°	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

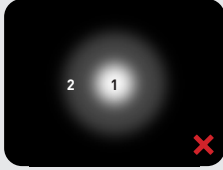
Reflected light (1) + Direct light (2) = **MATCH**

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)			
3090782	On-Off Led Driver 350mA 12W	Led Driver 350mA 12W On-Off	1
3090701	1-10V Led Driver Multi-power 350mA-900mA 0W-20W	Led Driver Multi-power 350mA-900mA 0W-20W 1-10V	2
3090765	DALI PUSH Led Driver Multi-power 300mA-1050mA 3-38W	Led Driver Multi-power 300mA-1050mA 3-38W DALI PUSH	
Drivers Downito® Double (350mA)			
3090772	On-Off Led Driver 350mA 25W	Led Driver 350mA 25W On-Off	3
3090785	DALI - 1-10V - PUSH Led Driver Multi-power 60W	Led Driver Multi-power 60W DALI - 1-10V - PUSH	4
IP67 Drivers Downito® Single (350mA)			
3090788	1-10V Led Driver IP67 350mA 0-16W	Led Driver IP67 350mA 0-16W 1-10V	5
IP67 Drivers Downito® Double (350mA)			
3090792	1-10V Led Driver IP67 350mA 33W	Led Driver IP67 350mA 33W 1-10V	6
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	
7150942	Bluelight link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluelight link	

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M083025	End piece connector	Conector terminal	1
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To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Room Mate Anna Hotel,
Barcelona, Spain





**DOWNITO® 70
DEEP**



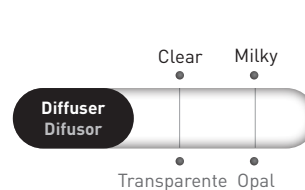
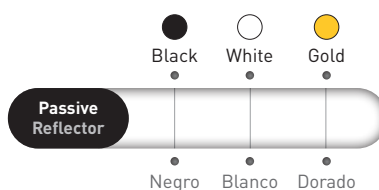
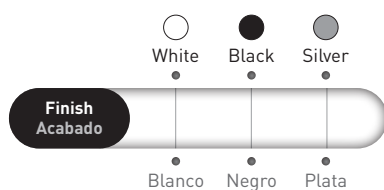
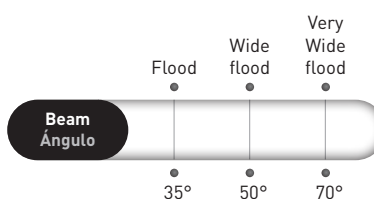
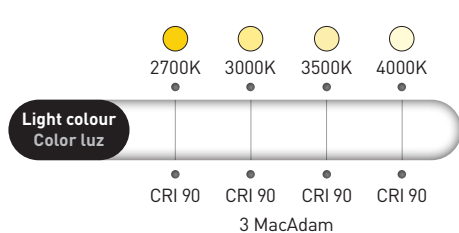
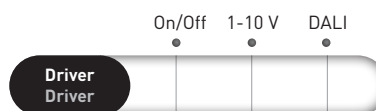
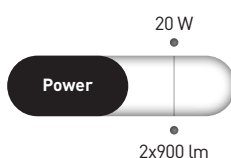
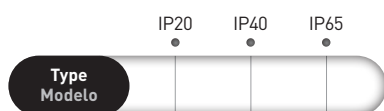
DOWNITO®70 Deep

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

	<table><tr><td>IP20</td></tr><tr><td>IP40</td></tr><tr><td>IP65</td></tr></table>	IP20	IP40	IP65	<table><tr><td>UGR</td></tr><tr><td><19</td></tr></table>	UGR	<19	<table><tr><td>on/off</td></tr></table>	on/off	<table><tr><td>DALI</td></tr></table>	DALI	<table><tr><td>1-10V</td></tr></table>	1-10V	<table><tr><td>Driver</td></tr><tr><td>Not</td></tr><tr><td>Included</td></tr></table>	Driver	Not	Included	<table><tr><td>AL</td></tr><tr><td>Housing</td></tr></table>	AL	Housing	<table><tr><td>L80 B10</td></tr><tr><td>>60.000h</td></tr><tr><td>Ta +25°C</td></tr></table>	L80 B10	>60.000h	Ta +25°C	<table><tr><td>Ta</td></tr><tr><td>-20°C</td></tr><tr><td>-4°F</td></tr><tr><td>Ta</td></tr><tr><td>+50°C</td></tr><tr><td>max +122°F</td></tr></table>	Ta	-20°C	-4°F	Ta	+50°C	max +122°F	
IP20																																
IP40																																
IP65																																
UGR																																
<19																																
on/off																																
DALI																																
1-10V																																
Driver																																
Not																																
Included																																
AL																																
Housing																																
L80 B10																																
>60.000h																																
Ta +25°C																																
Ta																																
-20°C																																
-4°F																																
Ta																																
+50°C																																
max +122°F																																

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

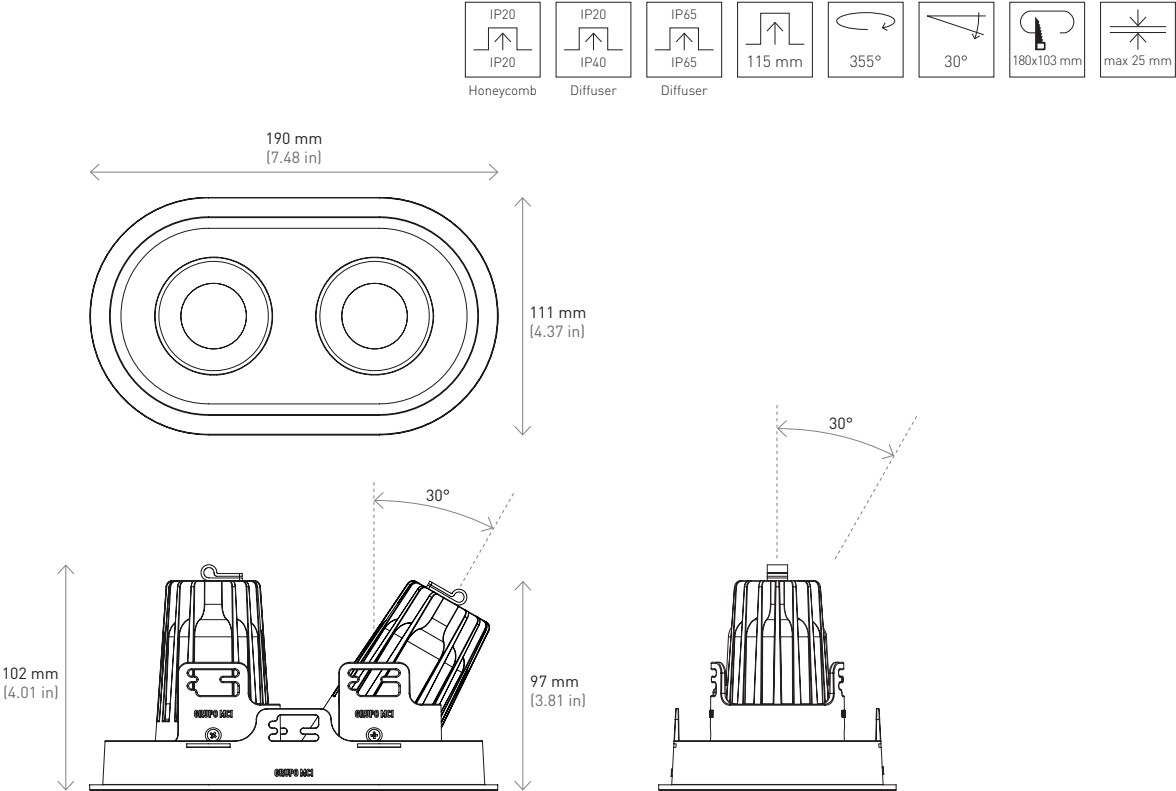


Caelis Restaurant,
Barcelona, Spain

Color temperature conform to ANSI C78.377A.
Temperatura de color según normativa ANSI C78.377A.

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



35°



50°



70°

Active reflector
(Engineering by Bartenbach)



Gasket

Honeycomb (IP20)



Diffuser (IP40 & IP65)

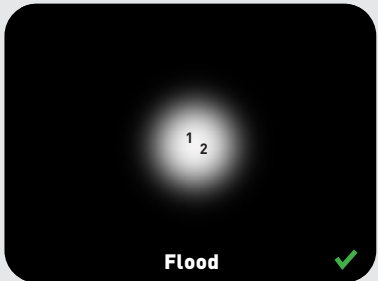


Honeycomb accessory (IP20)
or
Diffuser (IP40 & IP65)
Clear and Milky



Passive reflector (paintable)

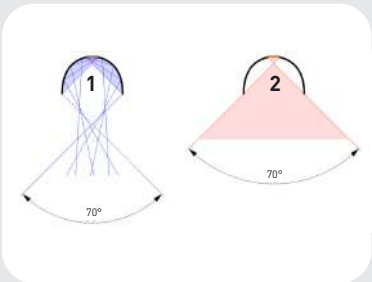
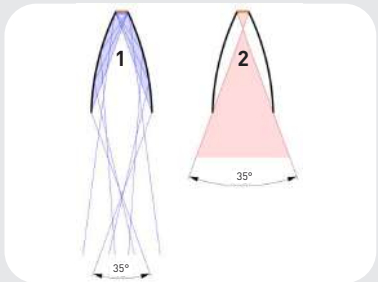
MCI TECHNOLOGY



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



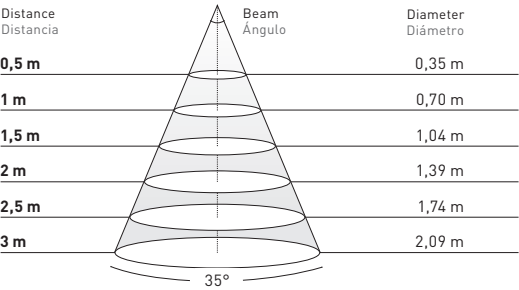
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 70 DEEP

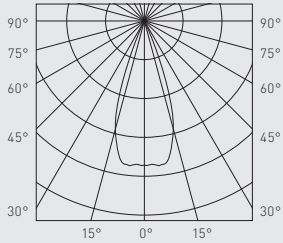
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 70 Square Deep

20 W 35°

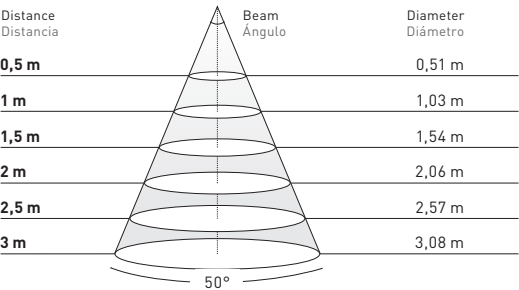


2700K	3000K	4000K
15.229 lux	16.031 lux	16.672 lux
3.807 lux	4.008 lux	4.168 lux
1.691 lux	1.781 lux	1.852 lux
951 lux	1.002 lux	1.042 lux
609 lux	641 lux	666 lux
422 lux	445 lux	462 lux

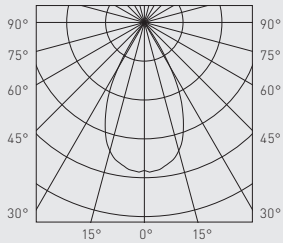


Downito® 70 Square Deep

20 W 50°

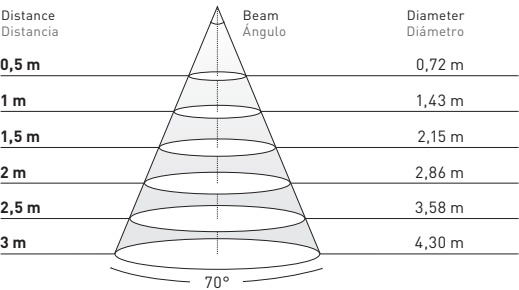


2700K	3000K	4000K
9.075 lux	9.553 lux	9.935 lux
2.268 lux	2.388 lux	2.483 lux
1.008 lux	1.061 lux	1.106 lux
567 lux	597 lux	620 lux
363 lux	382 lux	397 lux
251 lux	265 lux	275 lux

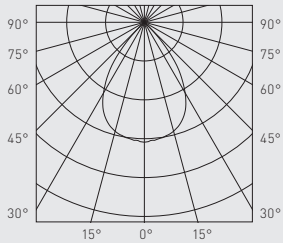


Downito® 70 Square Deep

20 W 70°



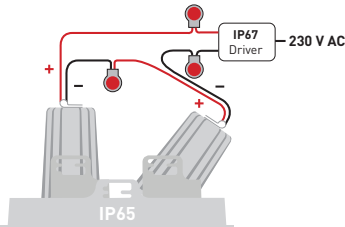
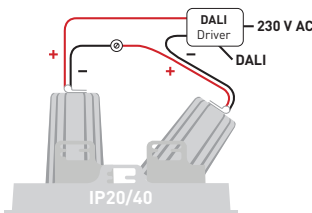
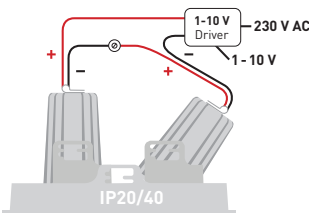
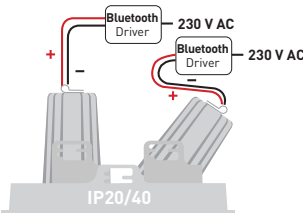
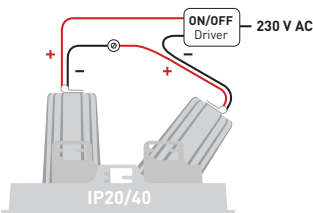
2700K	3000K	4000K
5.662 lux	5.960 lux	6.198 lux
1.415 lux	1.490 lux	1.549 lux
629 lux	662 lux	688 lux
353 lux	372 lux	386 lux
226 lux	238 lux	247 lux
157 lux	166 lux	172 lux



Data calculated with **Downito® 70 Square 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

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			
3090772	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
7150942	Bluelight link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluelight link	

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M083025	End piece connector	Conector terminal	1
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To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Store Bank,
Barcelona, Spain





DOWNITO® 90

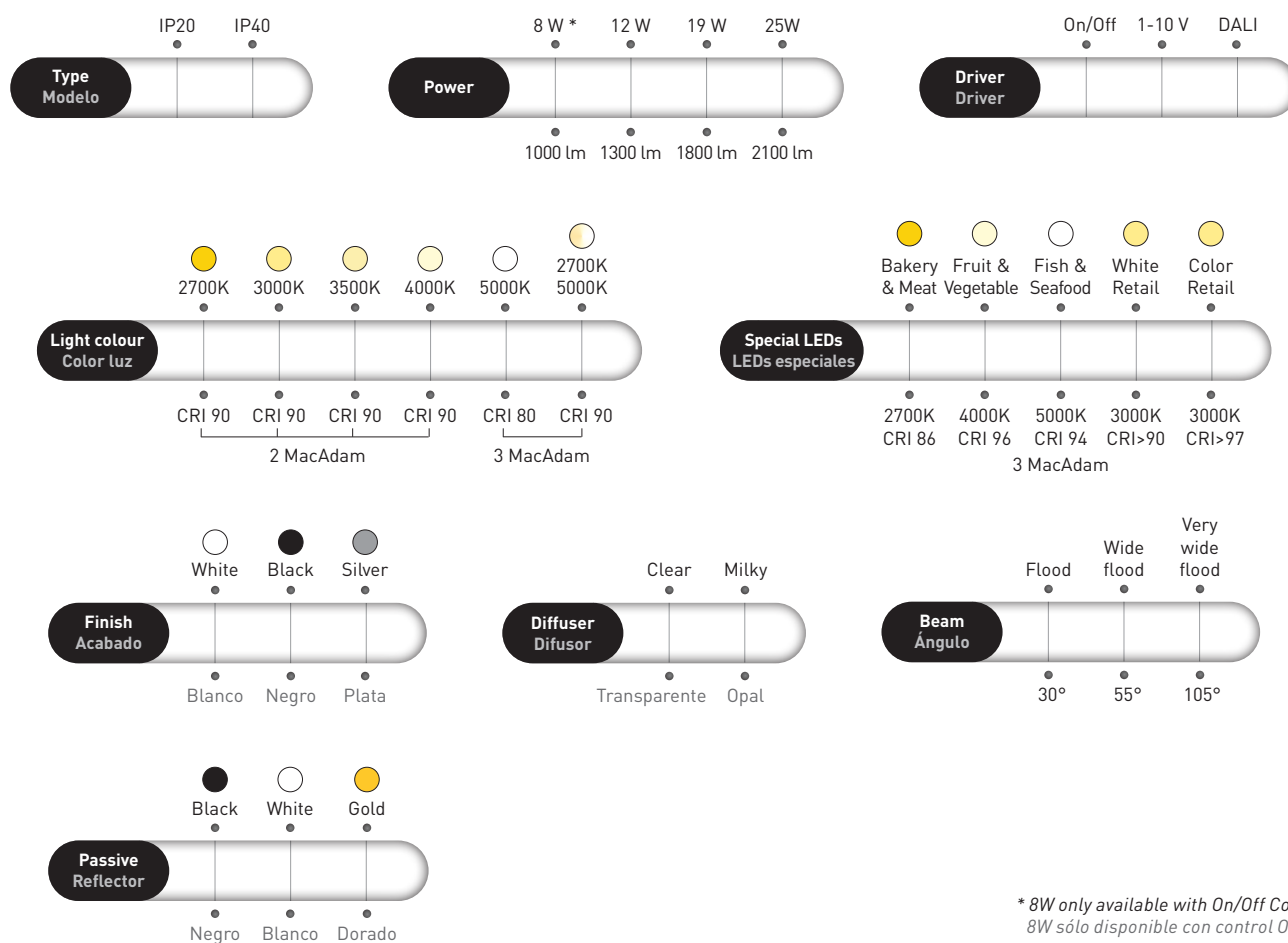


DOWNITO®90

ADJUSTABLE (+/- 20°)

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- Multi-power downlight, from 8 W to 25 W
- Luminous flux range from 600 lm to 2100 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 25 W
- Flujos lumínicos de 600 lm a 2100 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

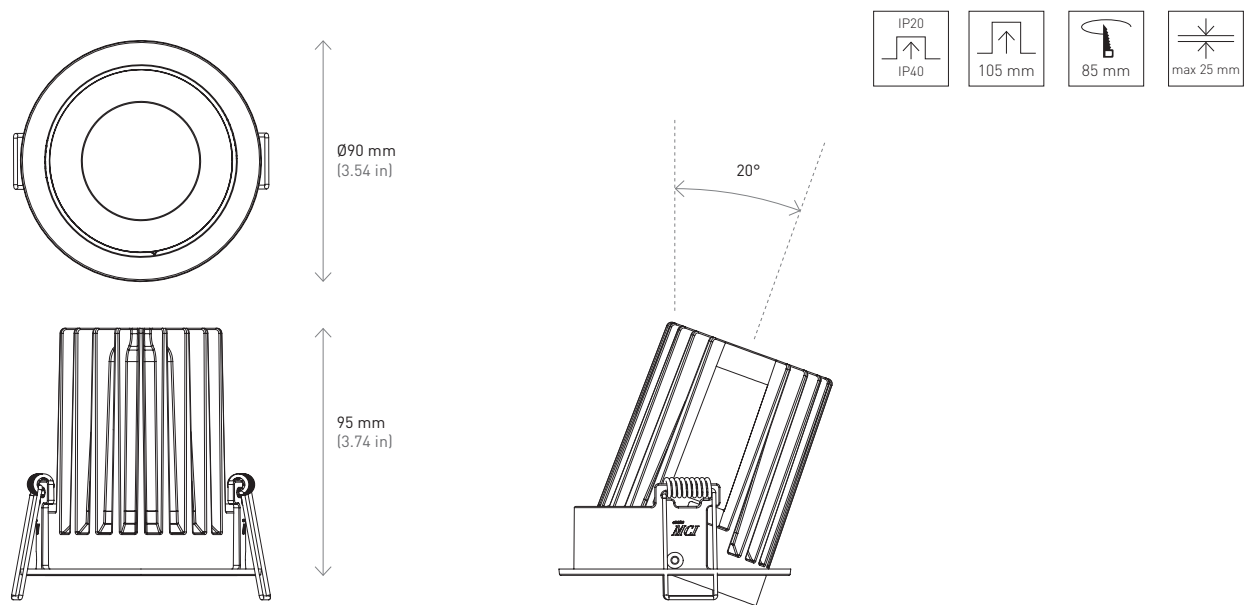


Downito® 90						
Measures	Ø90 x 95 mm					
Weight	0,7 kg					
8 W (250 mA)						
Color temperatures	2700K – CRI 90	3000K – CRI 90	3500K – CRI 90	4000K – CRI 90	5000K – CRI 80	2700K-5000K – CRI 90
Lumens output	30° - 690 lm 55° - 655 lm 105° - 615 lm	30° - 742 lm 55° - 705 lm 105° - 662 lm	30° - 776 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
25 W (650 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° - 1508 lm 55° - 1435 lm 105° - 1343 lm	30° - 1576 lm 55° - 1498 lm 105° - 1404 lm	30° - 1642 lm 55° - 1559 lm 105° - 1461 lm	30° - 1704 lm 55° - 1622 lm 105° - 1518 lm	30° - 2100 lm 55° - 1999 lm 105° - 1898 lm	30° - 1116-1410 lm 55° - 1166-1340 lm 105° - 1091-1254 lm
Luminaire efficiency	54 to 60 lm/W	56 to 63 lm/W	58 to 65 lm/W	60 to 68 lm/W	76 to 84 lm/W	43 to 56 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
25 W (650 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° - 1055 lm 55° - 1004 lm 105° - 940 lm	30° - 1340 lm 55° - 1274 lm 105° - 1194 lm	30° - 1371 lm 55° - 1303 lm 105° - 1221 lm	30° - 1497 lm 55° - 1424 lm 105° - 1334 lm	30° - 1418 lm 55° - 1349 lm 105° - 1265 lm
Luminaire efficiency	38 to 42 lm/W	47 to 54 lm/W	49 to 55 lm/W	53 to 60 lm/W	51 to 56 lm/W

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)



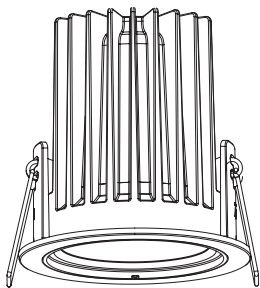
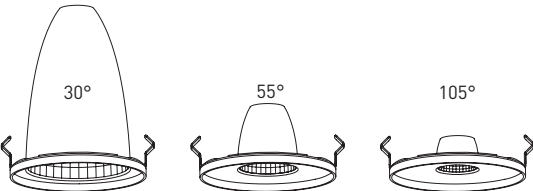
Black.
Negro. (RAL 9011)

DETAILS DETALLES

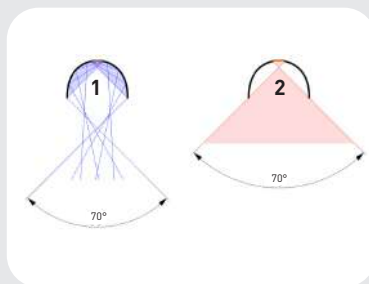
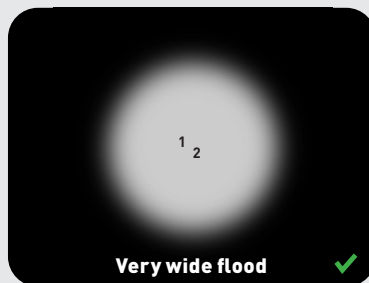
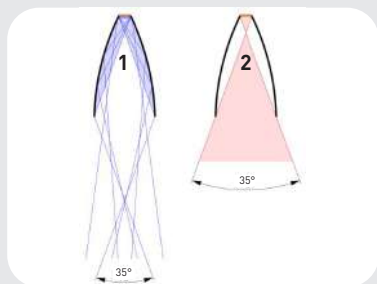
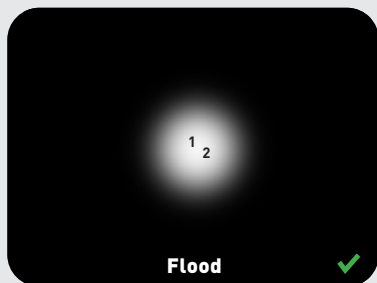
Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



DETAILS
DETALLES

			
		COB	
		COB holder	
		Active reflector (Engineering by Bartenbach)	
		Diffuser (IP40) Clear and Milky	
		Passive reflector (paintable)	

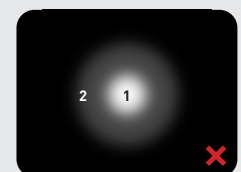
MCI TECHNOLOGY



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

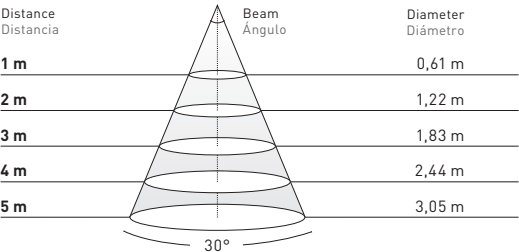
DOWNITO® 90

LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

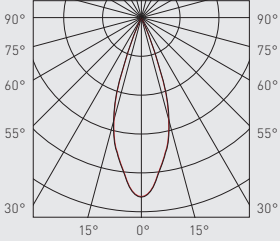
Downito® 90

3500K

30°



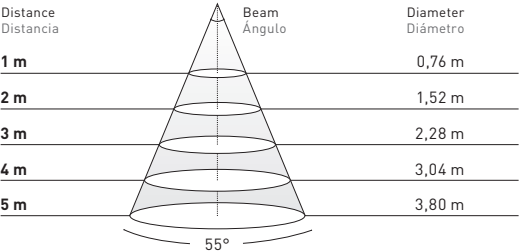
8 W	12 W	19 W	25 W
1.648 lux	2.182 lux	2.870 lux	3.680 lux
412 lux	546 lux	718 lux	865 lux
183 lux	242 lux	319 lux	370 lux
103 lux	136 lux	179 lux	229 lux
66 lux	87 lux	115 lux	146 lux



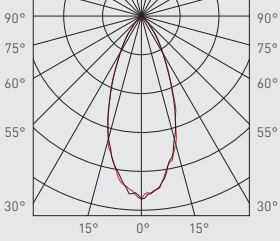
Downito® 90

3500K

55°



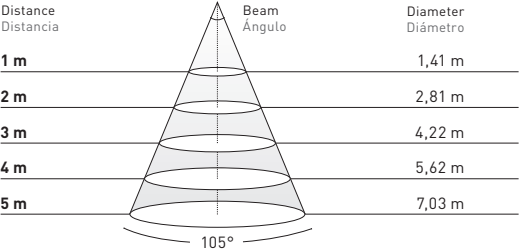
8 W	12 W	19 W	25 W
742 lux	982 lux	1.292 lux	1400 lux
185 lux	245 lux	323 lux	343 lux
82 lux	109 lux	144 lux	153 lux
46 lux	61 lux	81 lux	89 lux
30 lux	39 lux	52 lux	57 lux



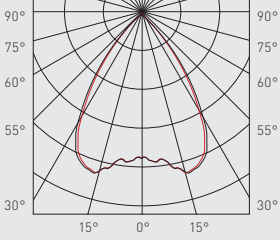
Downito® 90

3500K

105°



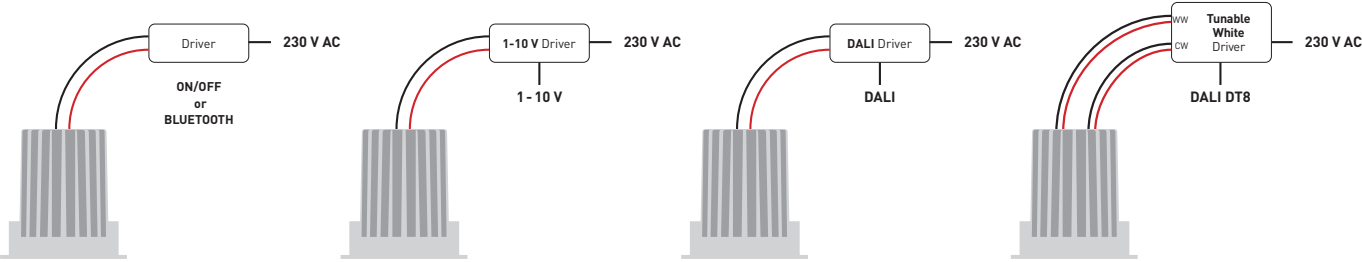
8 W	12 W	19 W	25 W
316 lux	421 lux	554 lux	637 lux
79 lux	105 lux	138 lux	159 lux
35 lux	47 lux	62 lux	72 lux
20 lux	26 lux	35 lux	40 lux
13 lux	17 lux	22 lux	26 lux



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	/2K7-5K	Tunable white
/90/3K	3000K	/86/2K7	Bakery & Meat
/90/3K5	3500K	/96/4K	Fruit & Vegetable
/90/4K	4000K	/94/5K	Fish & Seafood
/80/5K	5000K	/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			
3090782	On-Off Led Driver 350mA 12W	Led Driver 350mA 12W 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 650mA			
3090766	On-Off Led Driver 650mA 30W	Led Driver 650mA 30W On-Off	
Drivers multi-power			
3090794	On-Off Led Driver Multi-power 125mA-500mA 22W	Led Driver Multi-power 125mA-500mA 22W On-Off	1
3090764	On-Off Led Driver Multi-power 350mA-725mA 3-32W	Led Driver Multi-power 350mA-725mA 3-32W On-Off	2
3090701	1-10V Led Driver Multi-power 350mA-900mA 0W-20W	Led Driver Multi-power 350mA-900mA 0W-20W 1-10V	
3090785	DALI - 1-10V - PUSH Led Driver Multi-power 60W	Led Driver Multi-power 60W DALI - 1-10V - PUSH	
3090765	DALI PUSH Led Driver Multi-power 300mA-1050mA 3-38W	Led Driver Multi-power 300mA-1050mA 3-38W DALI PUSH	
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	3
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	4
7150942	Bluelight link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluelight link	
Driver tunable white			
3091016	DALI DT8 Led Driver 500mA 35W Tunable White	Led Driver 500mA 35W Tunable White DALI DT8	5
3091028	DALI DT8 Led Driver 650mA 35W Tunable White	Led Driver 650mA 35W Tunable White DALI DT8	

MULTI-POWER DRIVER CONNECTIONS TABLE
TABLA DE CONEXIONES DRIVER MULTI-POWER

		250 mA	350 mA	500 mA	650 mA
3090794	On/off	8 W	12 W	19 W	-
3090764	On/off	8 W	12 W	19 W	25 W
3090701	1-10 V	-	12 W	19 W	-
3090785	DALI 1-10V PUSH	-	25 W	35 W	46 W
3090765	DALI PUSH	-	12 W	19 W	25 W



Anpa arquitectura,
Barcelona, Spain





DOWNITO® 90
TRIMLESS

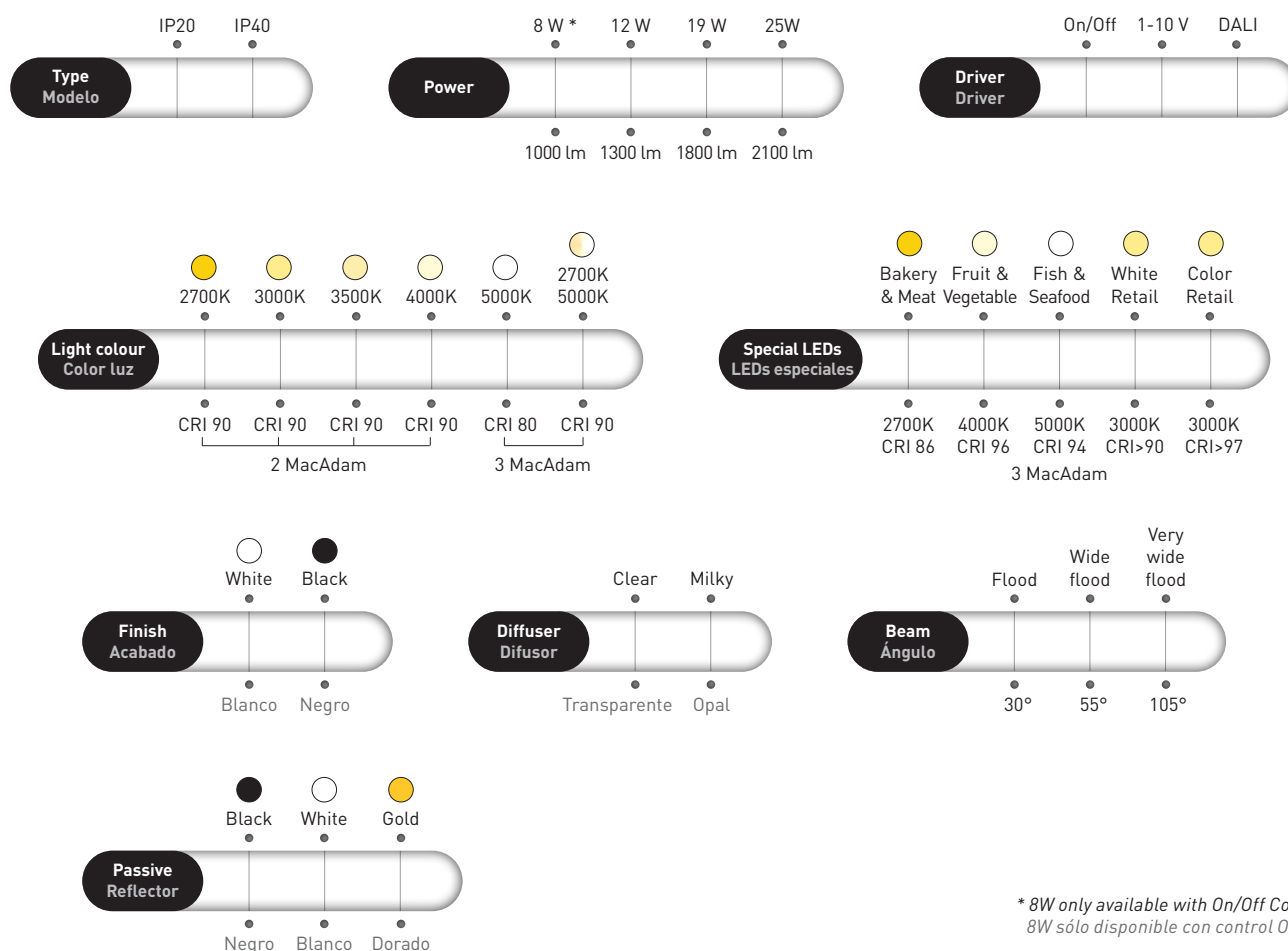


DOWNITO®90

TRIMLESS

- LED downlight for accent lighting
- Smart reflector: active + passive (paintable)
- Multi-power downlight, from 8 W to 25 W
- Luminous flux range from 600 lm to 2100 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 25 W
- Flujos lumínicos de 600 lm a 2100 lm
- Eficiencia de la luminaria 120 lm/W
- 3 ángulos de apertura: 30°, 55° y 105°
- Integración perfecta con los modelos trimless
- 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.

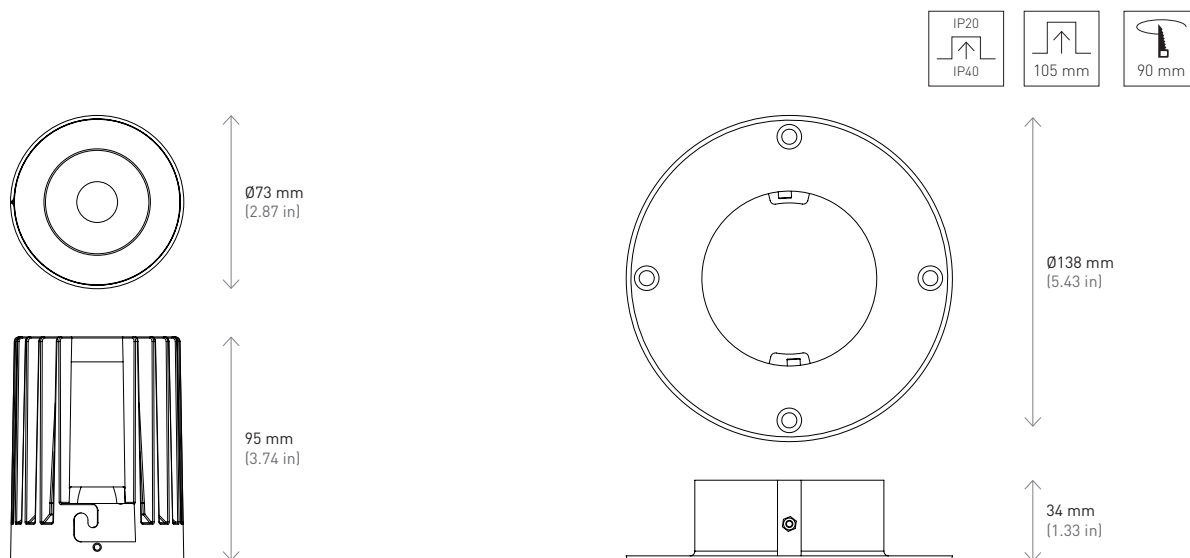
SPECIFICATIONS
CARACTERÍSTICAS

	IP20 IP40	UGR <19	on/off	DALI	1-10V	Driver Not Included	AL Housing	L80 B10 >60.000h Ta +25°C	Ta -20°C min -4°F Ta +50°C max +122°F	
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Downito® 90 TRIMLESS						
Measures	Ø73 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
25 W [650 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° - 1508 lm 55° - 1435 lm 105° - 1343 lm	30° - 1576 lm 55° - 1498 lm 105° - 1404 lm	30° - 1642 lm 55° - 1559 lm 105° - 1461 lm	30° - 1704 lm 55° - 1622 lm 105° - 1518 lm	30° - 2100 lm 55° - 1999 lm 105° - 1898 lm	30° - 1116-1410 lm 55° - 1166-1340 lm 105° - 1091-1254 lm
Luminaire efficiency	54 to 60 lm/W	56 to 63 lm/W	58 to 65 lm/W	60 to 68 lm/W	76 to 84 lm/W	43 to 56 lm/W

Downito® 90 TRIMLESS Special LEDs					
Measures	Ø73 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
25 W (650 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° - 1055 lm 55° - 1004 lm 105° - 940 lm	30° - 1340 lm 55° - 1274 lm 105° - 1194 lm	30° - 1371 lm 55° - 1303 lm 105° - 1221 lm	30° - 1497 lm 55° - 1424 lm 105° - 1334 lm	30° - 1418 lm 55° - 1349 lm 105° - 1265 lm
Luminaire efficiency	38 to 42 lm/W	47 to 54 lm/W	49 to 55 lm/W	53 to 60 lm/W	51 to 56 lm/W

MEASURES MEDIDAS



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.

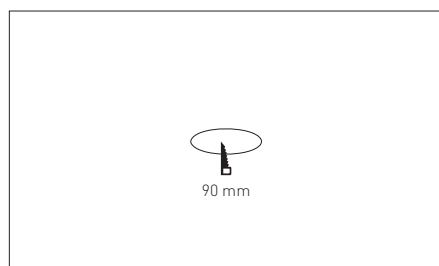
(RAL 9003)



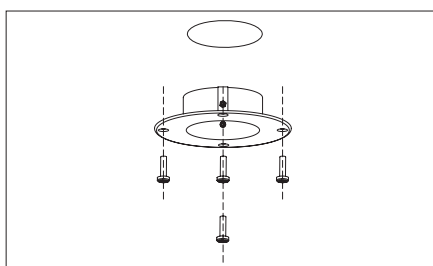
Black.
Negro.

(RAL 9011)

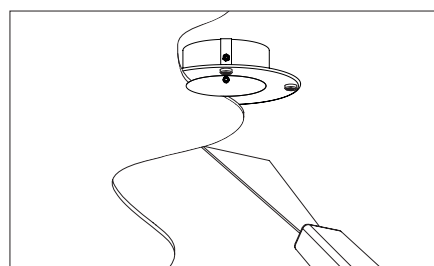
INSTALLATION INSTALACIÓN



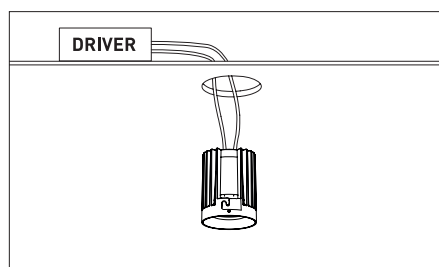
Make the hole
Efectúe el orificio



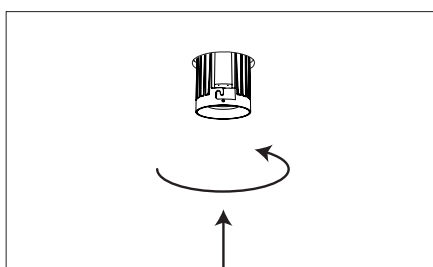
Fix the plasterboard recessed box with the screws
Fije el cajetín de empotrar con los tornillos



Plane with plaster
Enrasar con yeso

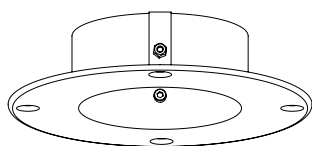


Connect the luminaire to the power supply
Conecte la luminaria a la fuente de alimentación

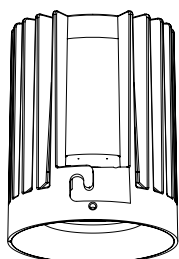


Place up and spind around
Subir y girar

DETAILS
DETALLES



Plasterboard
recessing frame Plasterboard



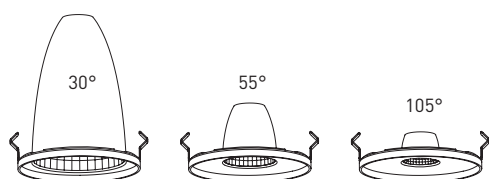
Trimless
body



COB



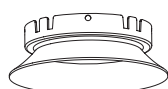
COB holder



Active reflector
(Engineering by Bartenbach)



Diffuser (IP40)
Clear and Milky



Passive reflector (paintable)



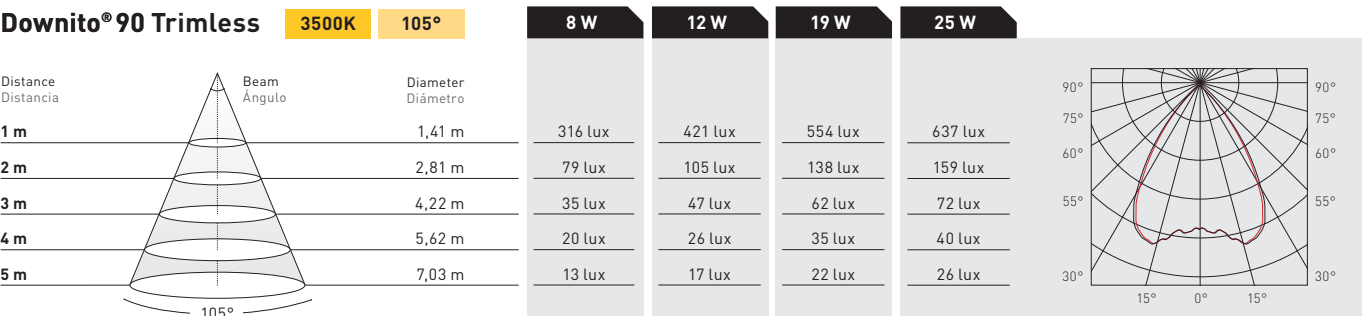
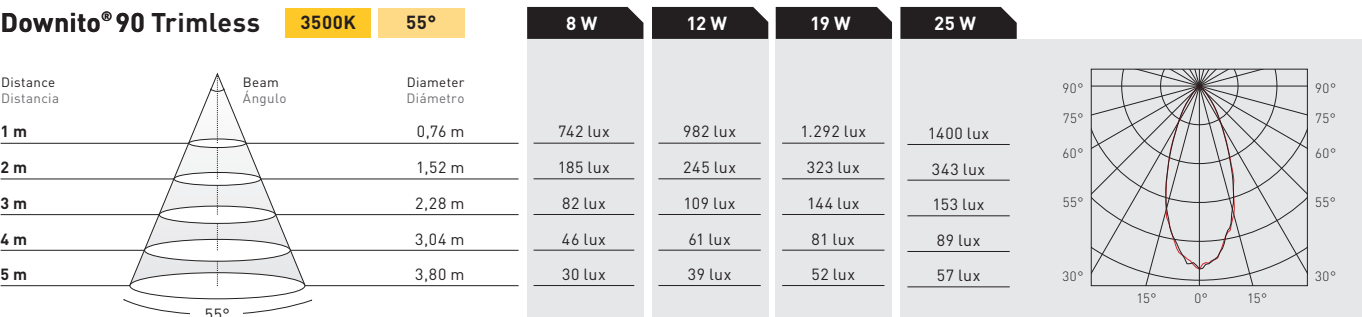
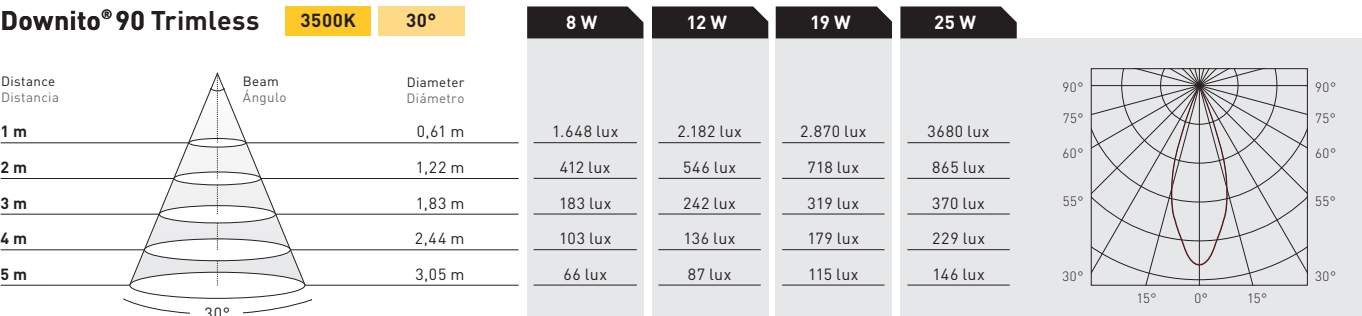
DETAILS
DETALLES

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

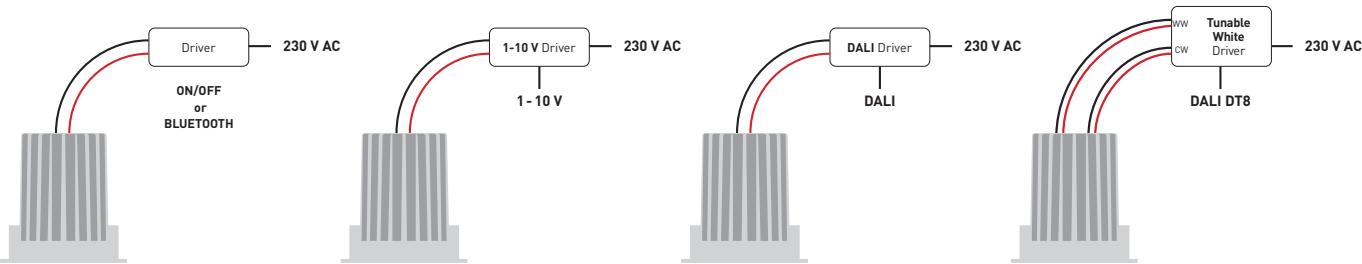
LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS



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	/2K7-5K	Tunable white
/90/3K	3000K	/86/2K7	Bakery & Meat
/90/3K5	3500K	/96/4K	Fruit & Vegetable
/90/4K	4000K	/94/5K	Fish & Seafood
/80/5K	5000K	/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			
3090782	On-Off Led Driver 350mA 12W	Led Driver 350mA 12W 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 650mA			
3090766	On-Off Led Driver 650mA 30W	Led Driver 650mA 30W On-Off	
Drivers multi-power			
3090794	On-Off Led Driver Multi-power 125mA-500mA 22W	Led Driver Multi-power 125mA-500mA 22W On-Off	1
3090764	On-Off Led Driver Multi-power 350mA-725mA 3-32W	Led Driver Multi-power 350mA-725mA 3-32W On-Off	2
3090701	1-10V Led Driver Multi-power 350mA-900mA 0W-20W	Led Driver Multi-power 350mA-900mA 0W-20W 1-10V	
3090785	DALI - 1-10V - PUSH Led Driver Multi-power 60W	Led Driver Multi-power 60W DALI - 1-10V - PUSH	
3090765	DALI PUSH Led Driver Multi-power 300mA-1050mA 3-38W	Led Driver Multi-power 300mA-1050mA 3-38W DALI PUSH	
Drivers multi-power Bluetooth			
7150930	Casambi Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Casambi	3
7150931	Zigbee Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Zigbee	4
7150942	Bluelight link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluelight link	
Driver tunable white			
3091016	DALI DT8 Led Driver 500mA 35W Tunable White	Led Driver 500mA 35W Tunable White DALI DT8	5
3091028	DALI DT8 Led Driver 650mA 35W Tunable White	Led Driver 650mA 35W Tunable White DALI DT8	

MULTI-POWER DRIVER CONNECTIONS TABLE
TABLA DE CONEXIONES DRIVER MULTI-POWER

		250 mA	350 mA	500 mA	650 mA
3090794	On/off	8 W	12 W	19 W	-
3090764	On/off	8 W	12 W	19 W	25 W
3090701	1-10 V	-	12 W	19 W	-
3090785	DALI 1-10V PUSH	-	25 W	35 W	46 W
3090765	DALI PUSH	-	12 W	19 W	25 W



DIP switch





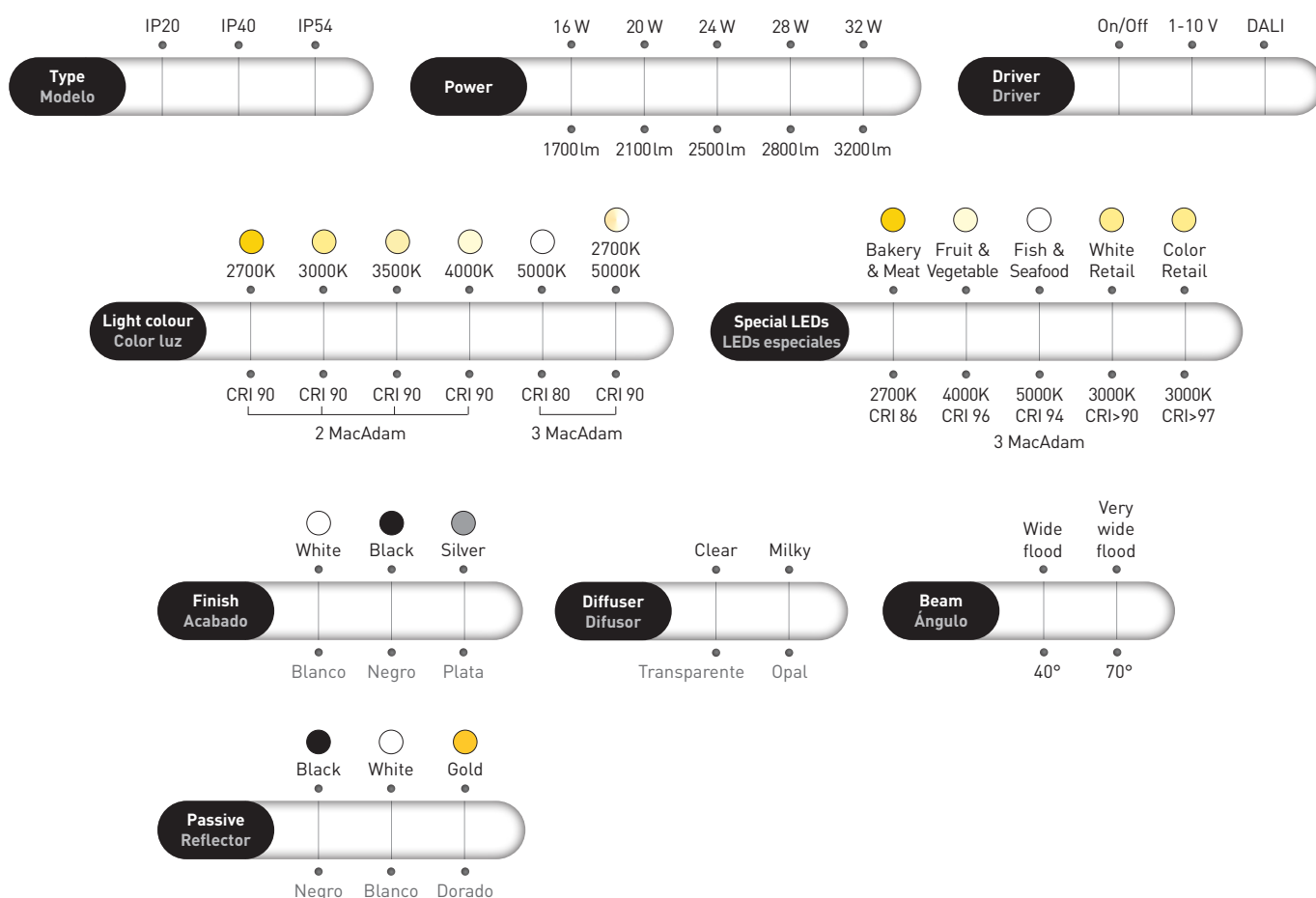
DOWNITO® 110



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 and IP54 versions are delivered with clear diffuser and chromed reflector. Driver not included.
Las versiones estándar IP40 y IP54 se suministran con difusor transparente y reflector cromado. Driver no incluido.

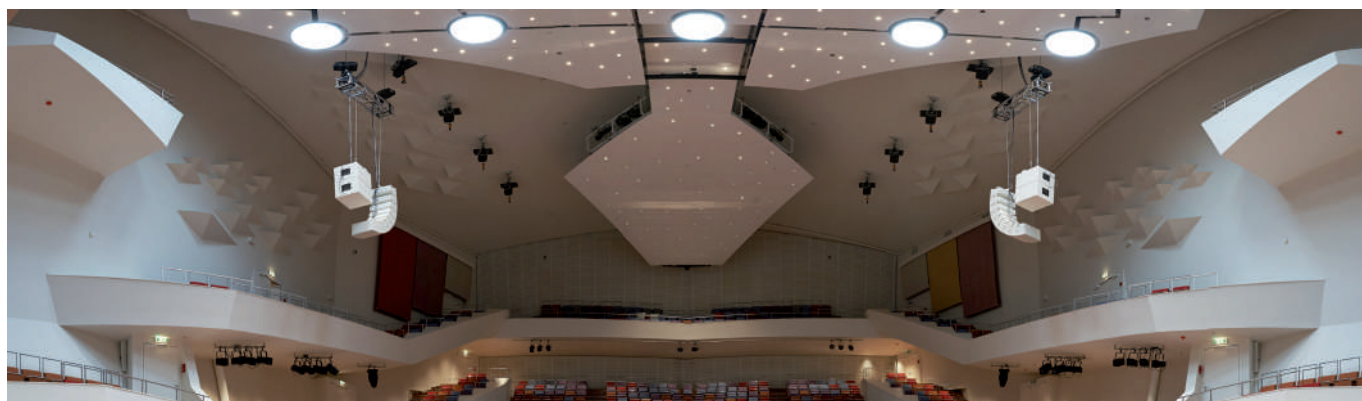
SPECIFICATIONS

CARACTERÍSTICAS



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

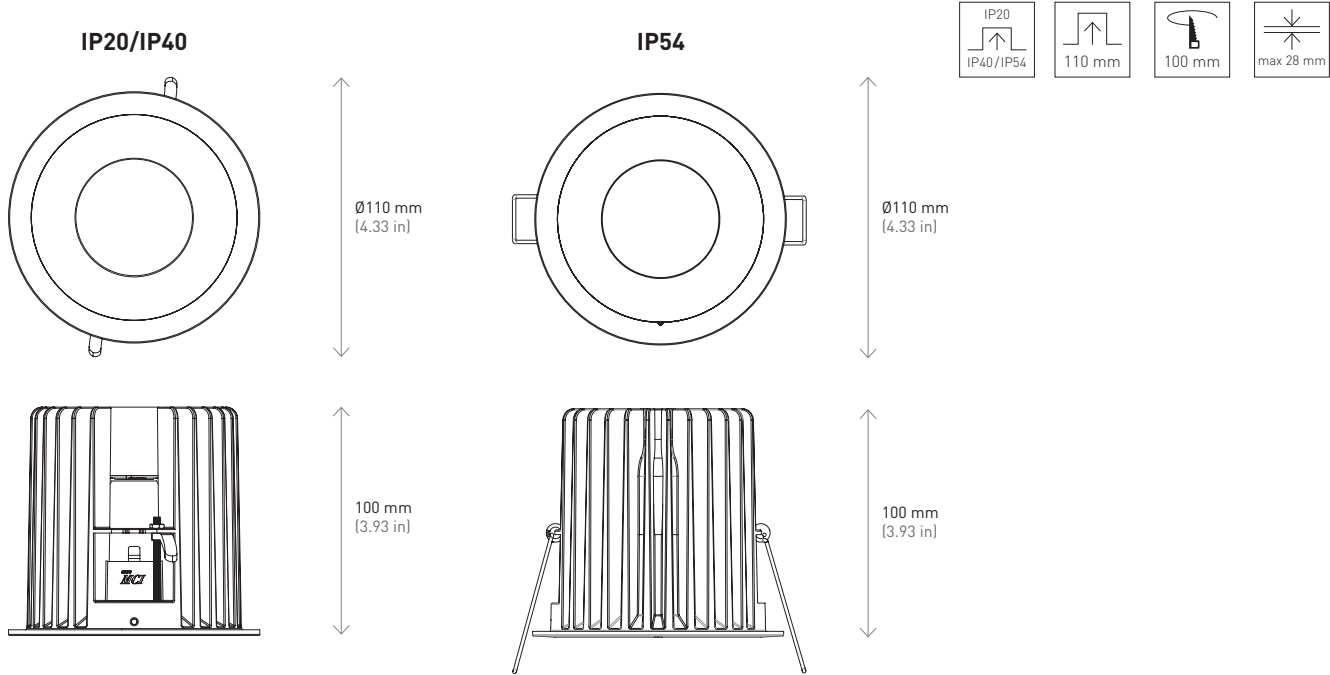


"Great Amber" Concert Hall,
Liepaja, Latvia

Color temperature conform to ANSI C78.377A.
Temperatura de color según normativa ANSI C78.377A.

DOWNITO® 110

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.

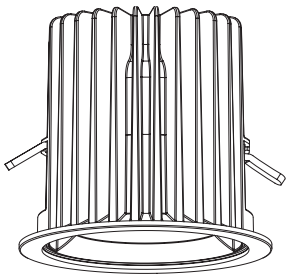
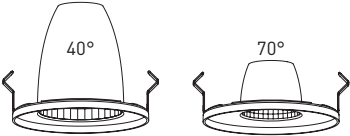


DETAILS DETALLES

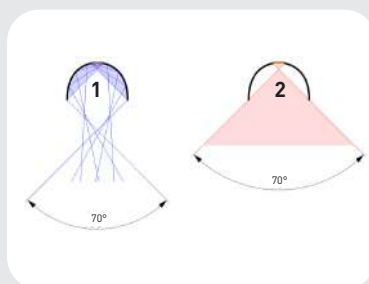
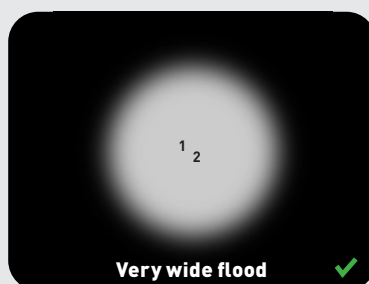
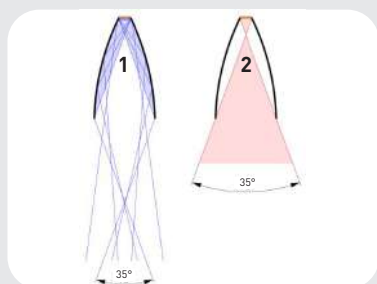
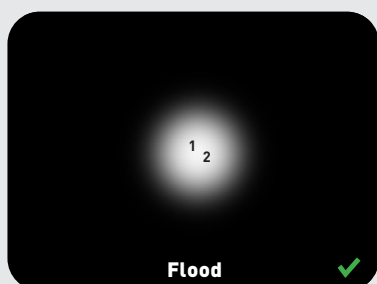
Different finishes for the passive reflector are available: white, black and gold.
Se pueden escoger diferentes acabados para el reflector pasivo: blanco, negro y dorado.



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



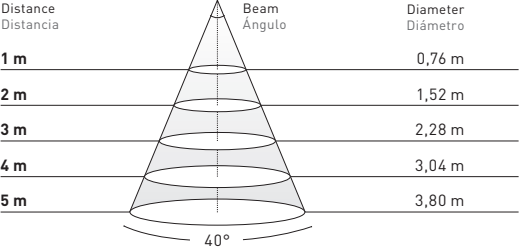
Halo shapes and low efficiency
Halos y baja eficiencia

DOWNITO® 110

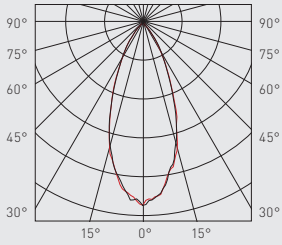
LIGHT DISTRIBUTION CURVES FOTOMETRÍAS

Downito® 110

3500K 40°

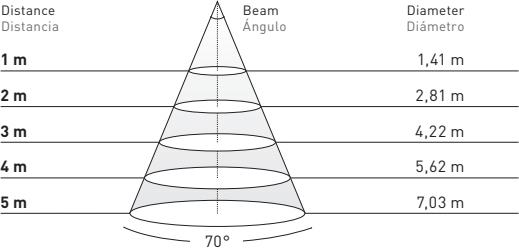


16 W	24 W	32 W
1.418 lux	1.984 lux	2.551 lux
355 lux	496 lux	638 lux
158 lux	220 lux	283 lux
89 lux	124 lux	159 lux
57 lux	79 lux	102 lux

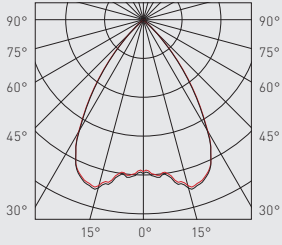


Downito® 110

3500K 70°



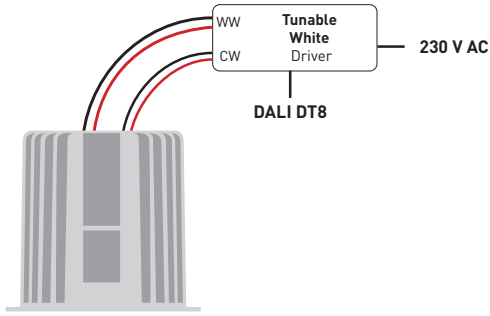
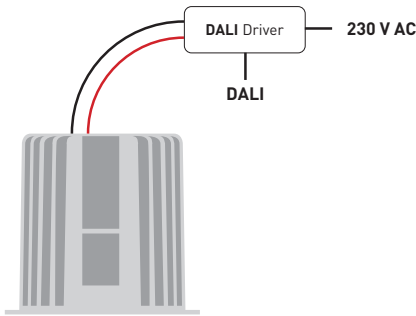
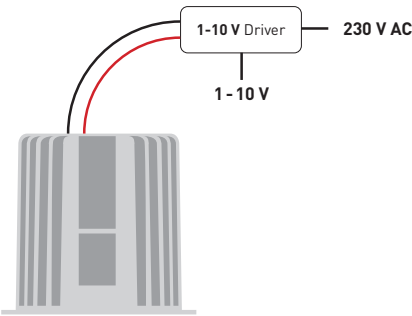
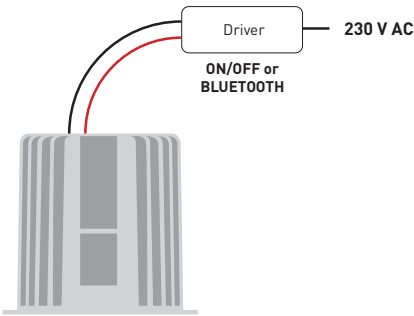
16 W	24 W	32 W
600 lux	840 lux	1.079 lux
150 lux	210 lux	270 lux
67 lux	93 lux	120 lux
38 lux	53 lux	67 lux
24 lux	34 lux	43 lux



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	

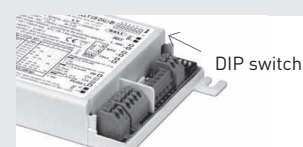
DRIVERS REFERENCES REFERENCIAS DRIVERS



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			
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
Drivers multi-power			
3090708	On-Off Led Driver Multi-power 300mA-1050mA 13W-42W	Led Driver Multi-power 300mA-1050mA 13W-42W 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
7150942	wBluetooth link Led Driver Multi-power 300mA-1050mA 38W	Led Driver Multi-power 300mA-1050mA 38W Bluetooth link	
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
3090708	On/off	22 W	24 W	27 W	29 W	31 W	32 W	33 W	35 W	38 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 338
Para controlar las luminarias vía Bluetooth consultar página 338

Loiola railway station,
San Sebastián, Spain





SLEEK LINE®

Gen3

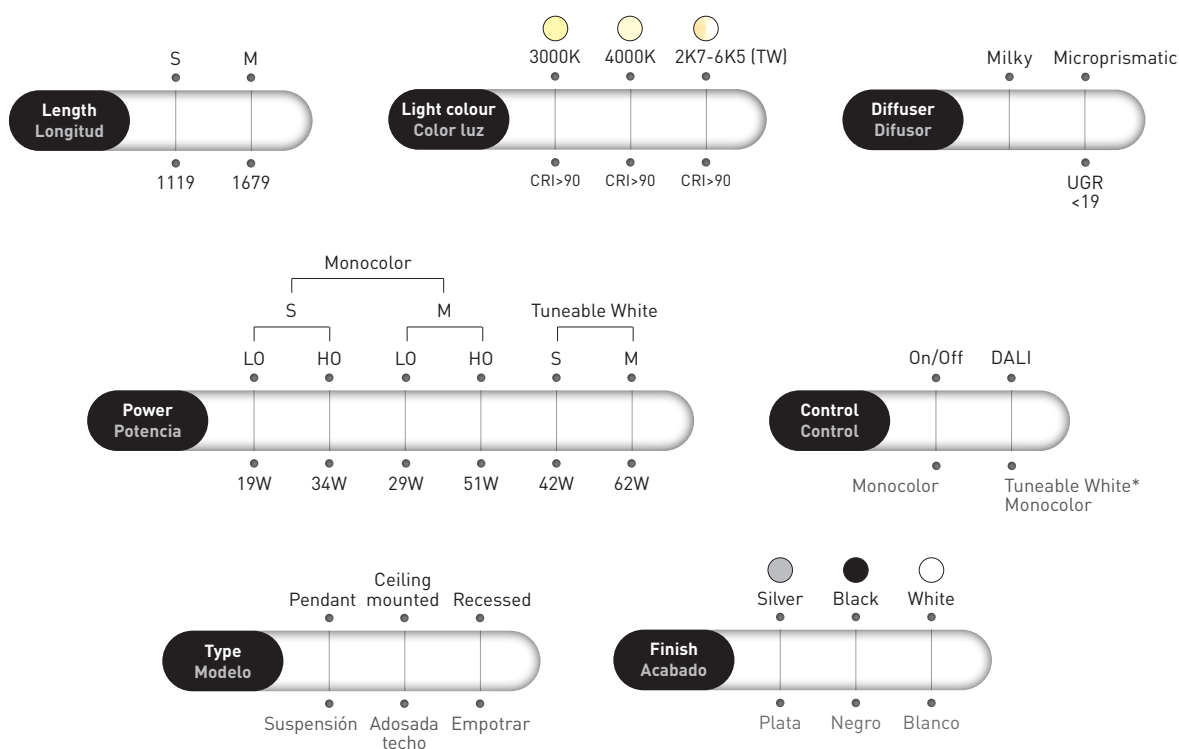


SLEEK LINE®

Gen3

- Luminaire efficiency 110 lm/W
- LO (low output) and HO (high output) models
- Monochrome (3K and 4K) and Tunable White (2K7-6K5) models
- On/Off and DALI control
- Milky and microprismatic (UGR<19) versions
- Pendant, ceiling mounted and recessed versions
- Easy power and data connection
- Easy serial connection, up to 24 m.
- Modular system for continuous light lines
- Seamless screws end caps

- Eficiencia de la luminaria 110 lm/W
- Modelos LO (low output) y HO (high output)
- Modelos monocolor (3K y 4K) y Tunable White (2K7-6K5)
- Control On/Off y DALI
- Versiones opal y microprismatico (UGR<19)
- Versiones de suspensión, adosada a techo y de empotrar
- Fácil conexión eléctrica y de datos
- Fácil conexión en serie, hasta 24 m.
- Sistema modular: permite crear líneas de luz continuas
- Tapas finales sin tornillos vistos



* The Tunable white version can only be controlled with DALI DT8.
 * La versión Tuneable white solo se puede controlar con DALI DT8.

End caps and accessories not included.
 Tapas finales y accesorios no incluidos.

SPECIFICATIONS
CARACTERÍSTICAS



220-240V
AC

IP40

CRI>90

on/off

DALI

AL
Housing

PC
Diffuser

UV
protected

L80 B10
>60.000h
Ta +25°C

Ta -20°C
min -4°F
Ta +30°C
max +86°F



Sleek Line® “S” Milky

Measures	1119 x 70 x 40 mm				
Weight	2 kg				
Power	19W (L0)		34W (H0)		42W (TW)
Color temperatures	3000K	4000K	3000K	4000K	2700K-6500K
Lumens output	1420 lm	1495 lm	3110 lm	3255 lm	3655-3790 lm
Luminaire efficiency	75 lm/W	79 lm/W	91 lm/W	96lm/W	87 to 90 lm/W

Sleek Line® “M” Milky

Measures	1679 x 70 x 40 mm				
Weight	2,64 kg				
Power	29W (L0)		51W (H0)		62W (TW)
Color temperatures	3000K	4000K	3000K	4000K	2700K-6500K
Lumens output	2130 lm	2240 lm	4665 lm	4880 lm	5485-5690 lm
Luminaire efficiency	73 lm/W	77 lm/W	91 lm/W	96 lm/W	88 to 91 lm/W

Sleek Line® “S” Microprismatic (UGR<19)

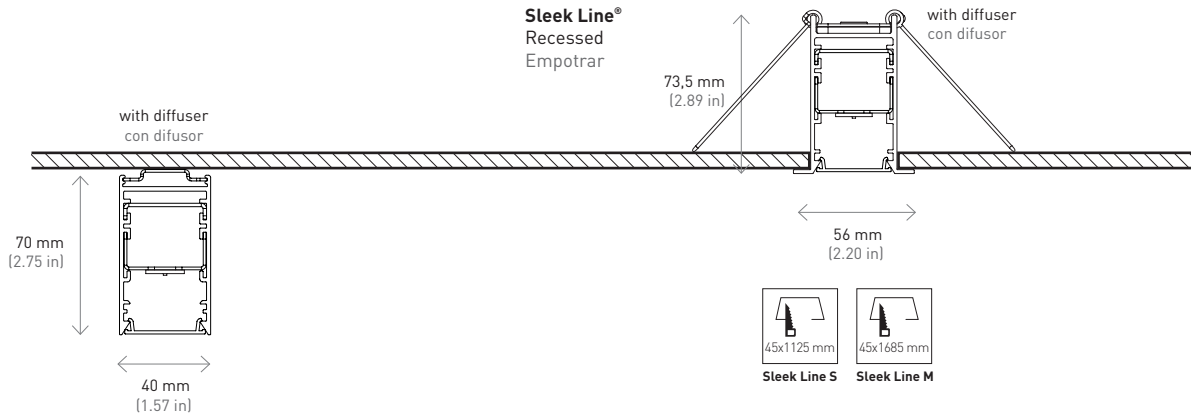
Measures	1119 x 70 x 40 mm				
Weight	2 kg				
Power	19W (L0)		34W (H0)		42W (TW)
Color temperatures	3000K	4000K	3000K	4000K	2700K-6500K
Lumens output	1600 lm	1680 lm	3590 lm	3760 lm	4220-4380lm
Luminaire efficiency	84 lm/W	88 lm/W	105 lm/W	110 lm/W	100 to 104 lm/W

Sleek Line® “M” Microprismatic (UGR<19)

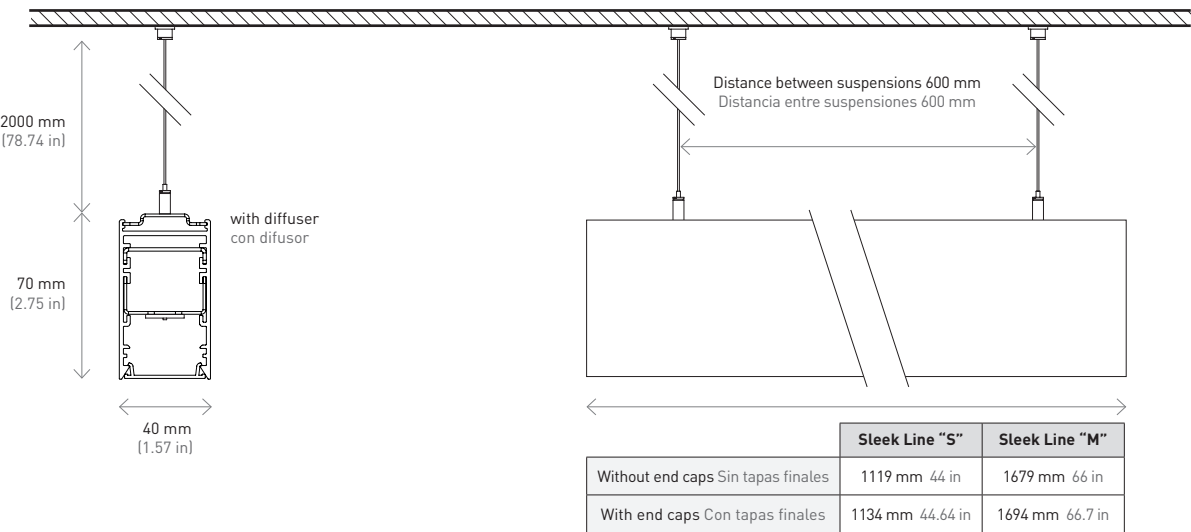
Measures	1679 x 70 x 40 mm				
Weight	2,64 kg				
Power	29W (L0)		51W (H0)		62W (TW)
Color temperatures	3000K	4000K	3000K	4000K	2700K-6500K
Lumens output	2395 lm	2520 lm	5385 lm	5635 lm	6325-6570 lm
Luminaire efficiency	82 lm/W	87 lm/W	105 lm/W	110 lm/W	102 to 105 lm/W

MEASURES
MEDIDAS

Sleek Line®
Ceiling mounted
Adosada a techo



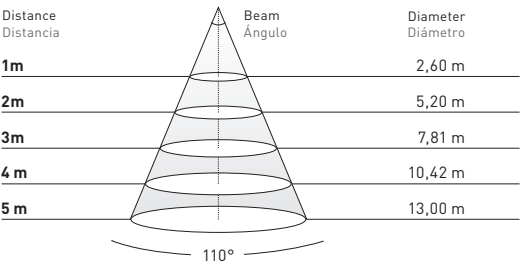
Sleek Line®
Pendant
Suspensión



LIGHT DISTRIBUTION CURVES
FOTOMETRÍAS

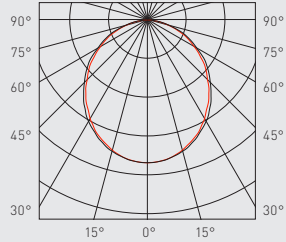
Sleek Line® "S" milky

34W



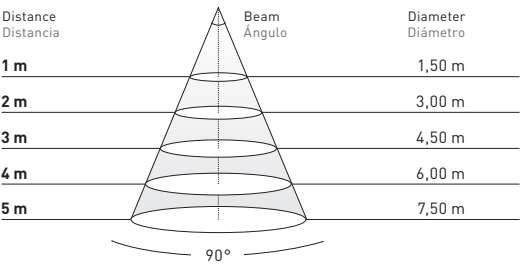
3000K
311 lux
78 lux
35 lux
19 lux
12 lux

4000K
340 lux
82 lux
36 lux
20 lux
13 lux



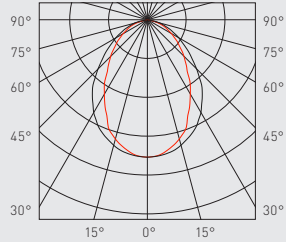
Sleek Line® "S" microprismatic

34W



3000K
717 lux
179 lux
80 lux
45 lux
29 lux

4000K
749 lux
211 lux
91 lux
64 lux
32 lux





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, black and silver.
Con el fin de satisfacer las necesidades de nuestros clientes, está disponible en tres acabados: blanco, negro y plata.



DETAILS DETALLES

Integrated springs for an easy installation.
Muelles integrados en la luminaria para una fácil instalación.



7660901/C..



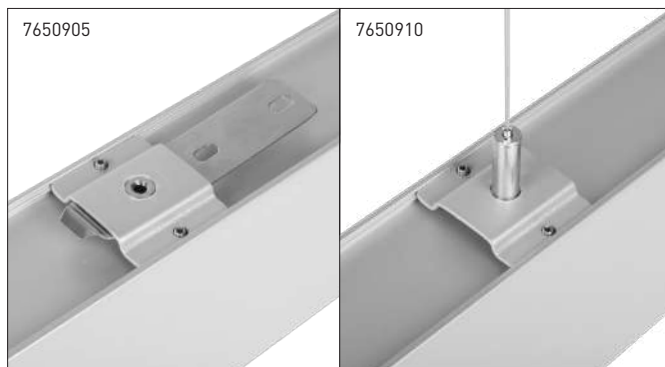
Seenless screws' endcaps.
Tapas finales sin tornillos vistos.

7650907/C..



End caps with internal space to absorb
diffuser expansion.
Tapas finales con ranura interior para
absorber dilatación difusor.

DETAILS
DETALLES



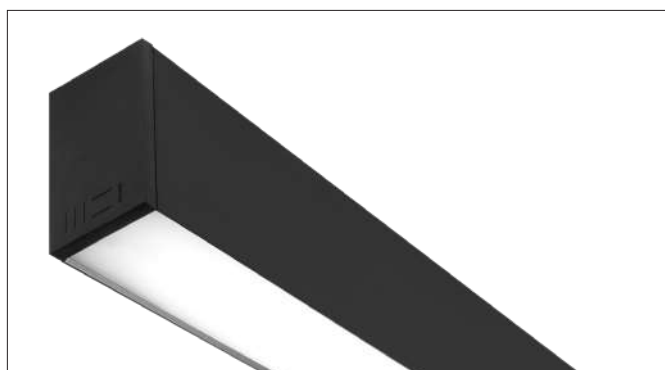
7650905
Ceiling bracket.
Soporte a techo.

7650910
Adjustable suspension.
Suspensión regulable.



7650911/C02
Canopy with 2m power cable
(3x1,5mm) 230V
Florón con cable 2m
(3x1,5mm) 230V

7650914/C02
Canopy with 2m power cable
(5x1,5mm) 230V+DALI
Florón con cable 2m
(5x1,5mm) 230V+DALI



Milky diffuser
Difusor opal



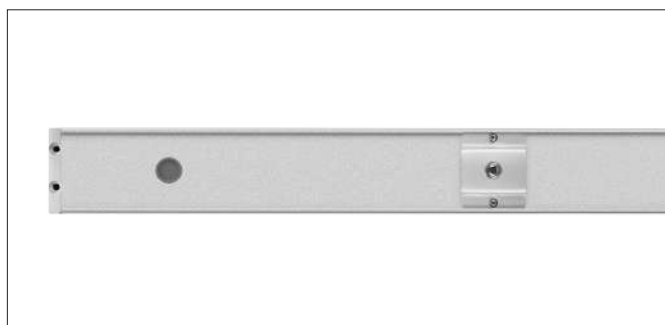
Microprismatic diffuser (UGR<19)
Difusor microprismatico (UGR<19)



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.



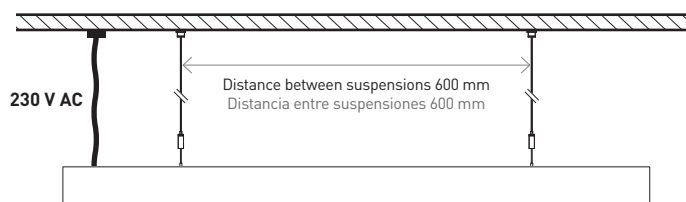
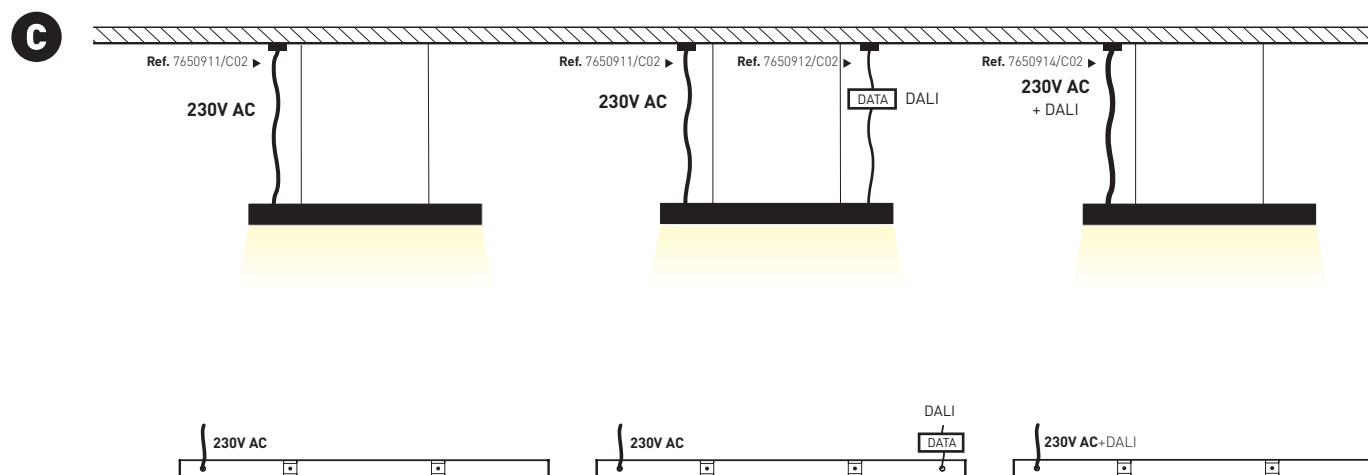
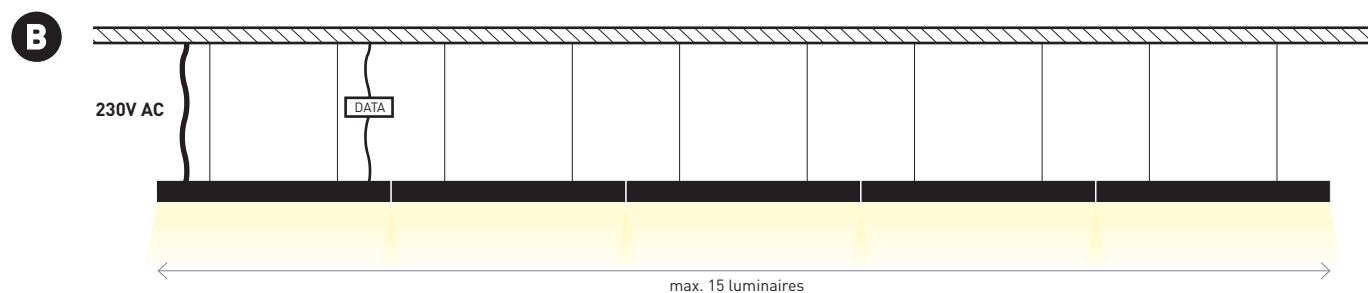
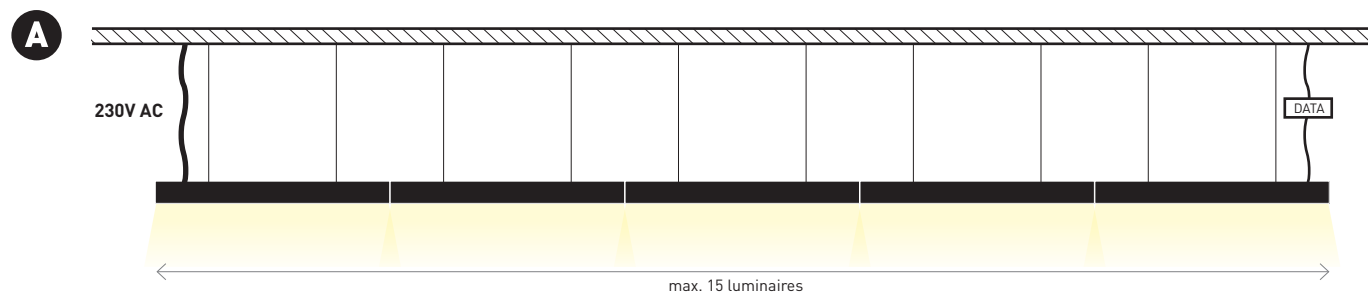
Power and data connection on the top side of the luminaire.
Conexión eléctrica y de datos por la parte superior de la luminaria.



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

XXXXX	X	X	X	/XXX	
					COLOUR COLOR
					90/3K 3000K
					90/4K 4000K
					/2K7-6K5 2700K-6500K*
					LENGTH LONGITUD
					1 1119 mm [S]**
					2 1679 mm [M]**
					FINISHES ACABADOS
					0 Silver Plata
					2 Black Negro
					3 White Blanco
					CONTROL CONTROL
					1 On-Off LO 3 DALI LO
					2 On-Off HO 4 DALI HO / TW DT8
					TYPE MODELO
					76506 Ceiling mounted / Pendant Adosada a techo / Suspensión
					76516 Recessed Empotrar

OPTIONS OPCIONES

DIFFUSER DIFUSOR

Milky	Opal
Microprismatic	Microprismático (UGR<19)

End caps and accessories not included.
Tapas finales y accesorios no incluidos.

* The Tunable white version can only be controlled with DALI DT8.
* La versión Tuneable white solo se puede controlar con DALI DT8.

** Measurements without end caps.
** Medidas sin tapas finales.

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



Ceiling Mounted & Pendant Accessories

7650901/C12	Silver end cap (2un)	Tapa final Plata (2un)	1
7650901/C13	Black end cap (2un)	Tapa final Negra (2un)	
7650901/C02	White end cap (2un)	Tapa final Blanca (2un)	
7650903/C12	Silver not visible internal junction between luminaires	Unión interna no visible Plata entre luminarias	2
7650905	Ceiling bracket for Sleek Line® S & M (2un)	Soporte a techo para Sleek Line® S & M (2un)	3

Accesorios Adosada a Techo y Suspensión

Pendant Accessories

7650910	Adjustable suspension (2m) (1un)	Suspensión regulable (2m) (1un)	4
7650911/C02	Canopy with 2m power cable (3x1,5mm) 230V	Florón con cable 2m (3x1,5mm) 230V	5
7650912/C02	Canopy with 2m DALI cable (2x0,5mm)	Florón con cable 2m DALI (2x0,5mm)	
7650914/C02	Canopy with 2m power cable (5x1,5mm) 230V+DALI	Florón con cable 2m (5x1,5mm) 230V+DALI	

Accesorios Suspensión

Recessed Accessories

7650907/C12	Silver recessed end cap (2un)	Tapa final empotrar Plata (2un)	
7650907/C13	Black recessed end cap (2un)	Tapa final empotrar Negra (2un)	
7650907/C02	White recessed end cap (2un)	Tapa final empotrar Blanca (2un)	6

Accesorios Empotrar

Reel Diffuser

M200125/C02	Reel diffuser milky 25m	Bobina difusor opal 25m	7
M200126/C01	Reel diffuser Microprismatic 25m	Bobina difusor microprismatico 25m	

Bobina difusor

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias vía Bluetooth consultar página 338

Mega Plaza Shopping Center,
Peru





LINEAR FLEX

Gen 3 & COB



LINEAR FLEXGen 3 & COB

3 MacAdam

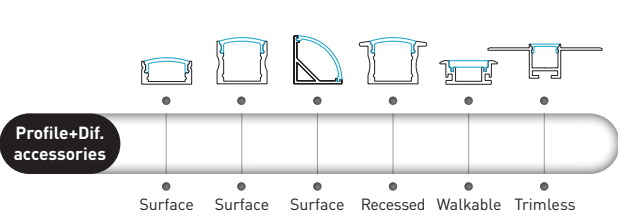
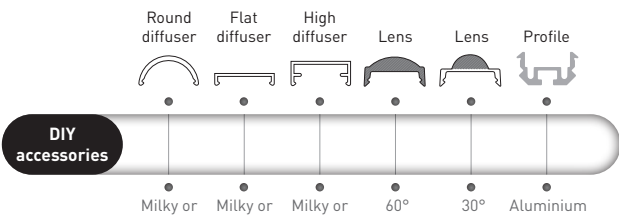
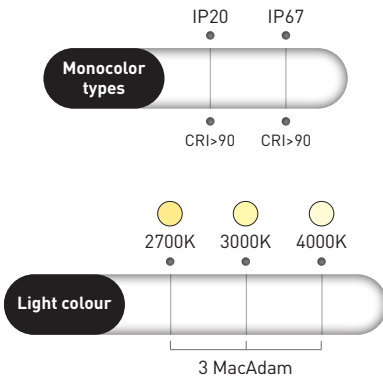
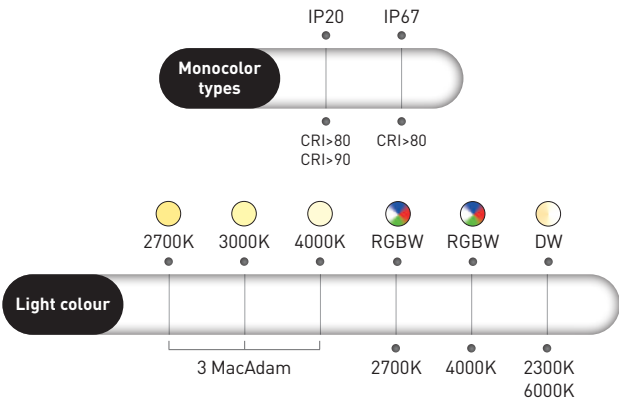
- LED strip efficiency 155 lm/W (LF gen3) and 107lm/W (LF COB)
 - Cove lighting and outdoor applications
 - Uniform light due to high LEDs Density (8LEDs/unit LF gen3 and LF COB)
 - 3 MacAdam: color quality and stability
 - 5 color temperature: 2K7, 3K, 4K, RGBW and DW
 - IP20 y IP67 (silicone extrusion)
 - Dimmable flexible strip
 - It can be cut to size at site
 - Accessories: aluminum profile, diffuser and lenses
- Eficiencia tiras led 155 lm/W (LF gen3) y 107lm/W (LF COB)
 - Iluminación de foseados y aplicaciones de exterior
 - Luz uniforme gracias a la alta densidad de LEDs (8LEDs/unit LF gen3 y LF COB)
 - 3 MacAdam: calidad y estabilidad de los colores
 - 5 temperaturas de color: 2K7, 3K, 4K, RGBW and DW
 - Modelos IP20 y IP67 (extrusión de silicona)
 - Tiras flexibles dimerizables
 - Se puede cortar a medida en la obra
 - Perfil de aluminio, difusores y lentes como accesorios



LINEAR FLEXGen 3
155lm/W



LINEAR FLEXCOB
107lm/W



	Linear FlexGen 2	Linear FlexGen 3	Linear FlexCOB
Density	6 LED/u (50mm)	8 LED/u (50mm)	24 LED/u (50mm)
LED /m	120 LED/m	160 LED/m	480 LED/m
Power (W/m)	14,4 W/m	12,7 W/m	10 W/m
Lumens output (4K)	1550 lm	1962 lm	1070 lm
Efficiency (lm/W)	108 lm/W	155 lm/W	107 lm/W
Cutting unit	50 mm	50 mm	50 mm

SPECIFICATIONS
CARACTERÍSTICAS

	24V DC	IP20	IP67		Beam Angle 120°	Beam Angle 160°	Silicone IP67 Strip	3M Adhesive tape	L80 B10 >50.000h Ta +25°C	Ta min -20°C -4°F Ta max +45°C +113°F		UL	RoHS	CB Test	CE
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Gen 3

COB

Linear FlexGen 3															
	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)	SDCM	LED Model	IP	Product References
Monocolor CRI>80 IP20 & IP67															
4,4 W/m	2700K	60	>80	634 lm	145	64	15,6	125	22W	5m	8	3	2835	IP20	7264000/80/2K7
	3000K	75		647 lm	148										7264000/80/3K
	4000K	120		692 lm	158										7264000/80/4K
9,1 W/m	2700K	60	>80	1281 lm	141	128	7,8	63	45W	5m	8	3	2835	IP20	7264001/80/2K7
	3000K	75		1326 lm	146										7264001/80/3K
	4000K	120		1406 lm	154										7264001/80/4K
12,7 W/m	2700K	60	>80	1781 lm	140	160	6,3	50	64W	5m	8	3	2835	IP20	7264002/80/2K7
	3000K	75		1848 lm	146										7264002/80/3K
	4000K	120		1962 lm	155										7264002/80/4K
19,2 W/m	2700K	60	>80	2630 lm	137	160	6,3	50	96W	5m	10	3	2835	IP20	7264003/80/2K7
	3000K	75		2770 lm	144										7264003/80/3K
	4000K	120		2900 lm	151										7264003/80/4K
4,4 W/m	2700K	60	>80	568 lm	130	64	15,6	125	22W	5m	10	3	2835	IP67	7264030/80/2K7
	3000K	75		580 lm	132										7264030/80/3K
	4000K	120		620 lm	142										7264030/80/4K
9,1 W/m	2700K	60	>80	1130 lm	124	128	7,8	63	45W	5m	10	3	2835	IP67	7264031/80/2K7
	3000K	75		1170 lm	129										7264031/80/3K
	4000K	120		1240 lm	136										7264031/80/4K
12,7 W/m	2700K	60	>80	1455 lm	115	160	6,3	50	64W	5m	10	3	2835	IP67	7264032/80/2K7
	3000K	75		1510 lm	119										7264032/80/3K
	4000K	120		1603 lm	126										7264032/80/4K
Monocolor CRI>90 IP20															
12,7 W/m	2700K	60	>90	1572 lm	124	160	6,3	50	64W	5m	8	3	2835	IP20	7264002/90/2K7
	3000K	75		1663 lm	131										7264002/90/3K
	4000K	120		1766 lm	139										7264002/90/4K
19,2 W/m	2700K	60	>90	2367 lm	123	160	6,3	50	96W	5m	10	3	2835	IP20	7264003/90/2K7
	3000K	75		2493 lm	130										7264003/90/3K
	4000K	120		2678 lm	139										7264003/90/4K
Dynamic Colors CRI>80 IP20 & IP67															
25,2 W/m	RGBW W-4K	-	>80	R+G+B+W: 1330 lm	101	84	11,9	71	126W	5m	12	6	5050 LED	IP20	7264202/11-4K
				R:132 lm / G:458 lm / B:112 lm / W:720 lm											
25,2 W/m	RGBW W-4K	-	>80	R+G+B+W: 1189 lm	90	84	11,9	71	126W	5m	14	6	5050 LED	IP67	7264232/11-4K
				R:118 lm / G:410 lm / B:100 lm / W:645 lm											
25,2 W/m	RGBW W-2K7	-	>80	R+G+B+W: 1300 lm	90	84	11,9	71	126W	5m	12	6	5050 LED	IP20	7264202/11-2K7
				R:132 lm / G:458 lm / B:112 lm / W:640 lm											
25,2 W/m	RGBW W-2K7	-	>80	R+G+B+W: 1162 lm	81	84	11,9	71	126W	5m	14	6	5050 LED	IP67	7264232/11-2K7
				R:118 lm / G:410 lm / B:100 lm / W:574 lm											
20,0 W/m	DW 2K3-6K	-	>80	2300K:1270 lm	127	224	8,9	71	100W	5m	10	6	2835	IP20	7264201/2K3-6K
				6000K:1450 lm											
20,0 W/m	DW 2K3-6K	-	>80	2300K:1020 lm	102	224	8,9	71	100W	5m	12	6	2835	IP67	7264231/2K3-6K
				6000K:1150 lm											

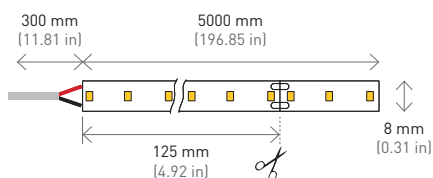
Linear Flex COB															
	Color (K)	Bin (±K)	CRI*	lm/m (lm)	lm/W (lm)	Nº of LEDs/m	LED Pitch (mm)	Cutting Length (mm)	W/Reel (W)	Length (m)	Width (mm)	SDCM	LED Model	IP	Product References
Monocolor CRI>90 IP20 & IP67															
10 W/m	2700K	-	>90	990 lm	99	480	-	50	50W	5	8	3	COB	IP20	7266001/90/2K7
	3000K	-		1010 lm	101										7266001/90/3K
	4000K	-		1070 lm	107										7266001/90/4K
10 W/m	2700K	-	>90	950 lm	95	480	-	50	50W	5	10	3	COB	IP67	7266031/90/2K7
	3000K	-		970 lm	97										7266031/90/3K
	4000K	-		1020 lm	102										7266031/90/4K

Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

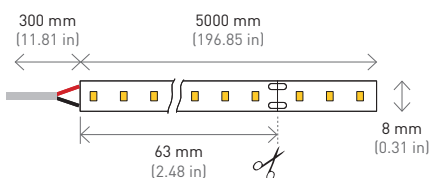
MEASURES MEDIDAS

CRI>80 - CRI>90 (IP20)

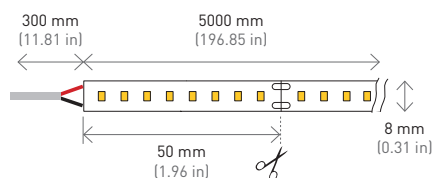
4,4W/m (64 LEDs/m)



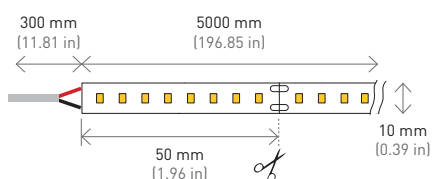
9,1W/m (128 LEDs/m)



12,7W/m (160 LEDs/m)

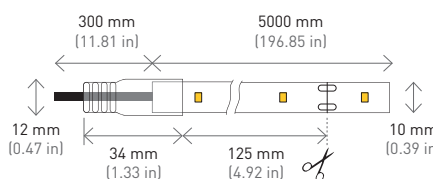


19,2W/m (160 LEDs/m)

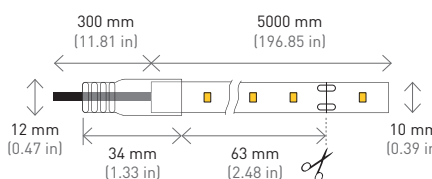


CRI>80 IP67

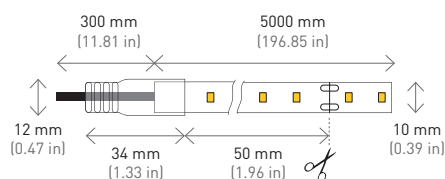
4,4W/m (64 LEDs/m)



9,1W/m (128 LEDs/m)

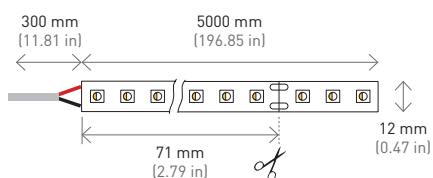


12,7W/m (160 LEDs/m)

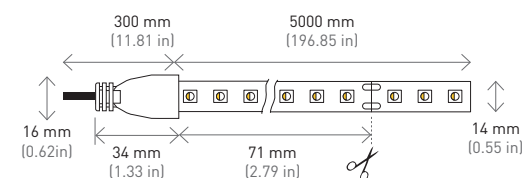


DYNAMIC COLORS

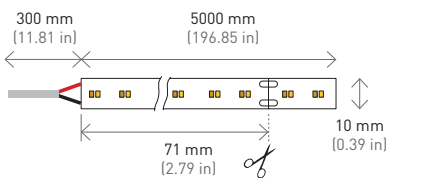
RGBW 25,2W/m (84 LEDs/m) IP20



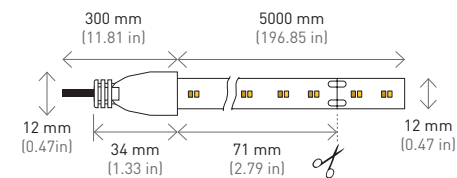
RGBW 25,2W/m (84 LEDs/m) IP67



DW 20W/m (224 LEDs/m) IP20

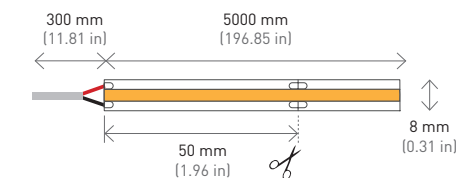


DW 20W/m (224 LEDs/m) IP67

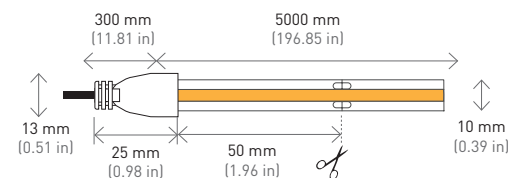


CRI>90 COB

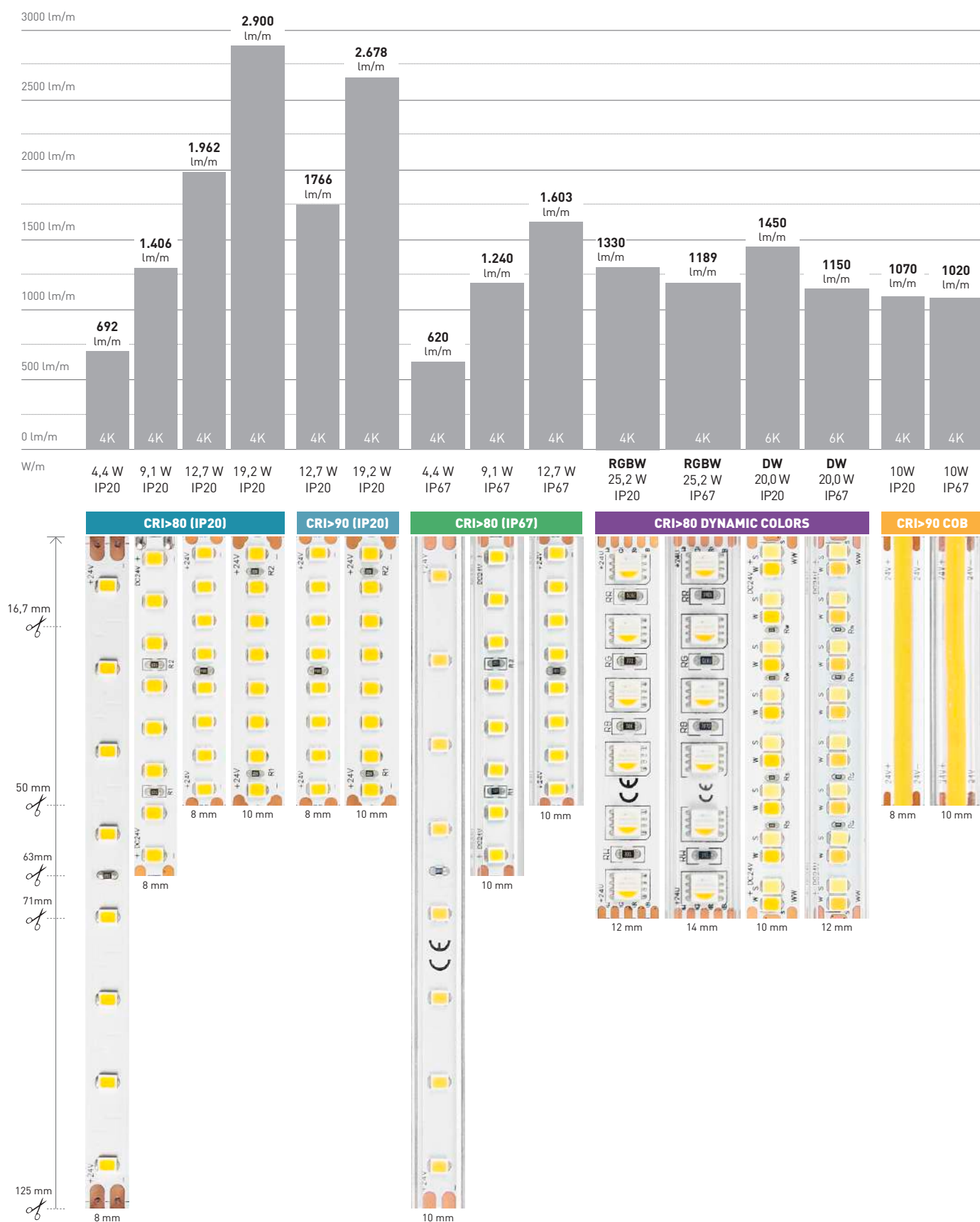
10W/m (480 LEDs/m) IP20



10W/m (480 LEDs/m) IP67



LINEAR FLEX RANGE (max. lm/m)
GAMA LINEAR FLEX (max. lm/m)



ACCESSORIES DIY
ACCESORIOS DIY

Choose your diffuser or lens according to your lighting project
Escoje el difusor o lente que se adapte mejor a tu proyecto lumínico

Diagram showing components A (Diffusers and lens), B (Aluminium profile), C (End caps), and D (Brackets). Includes detailed views of various diffusers (Flat, Round, High, Lens 30°, Lens 60°), aluminium profile dimensions, end cap types, and bracket types (15°, 30°, 45°).

LED STRIP TABLE COMPATIBLE WITH END CAPS
TABLA DE TIRAS LED COMPATIBLES CON TAPAS FINALES

Monocolor IP20				CRI>90		IP67		
4,4W/m	9,1W/m	12,7W/m	19,2W/m	12,7W/m	19,2W/m	4,4W/m	9,1W/m	12,7W/m
✓	✓	✓	✓	✓	✓	✓	✓	✓
RGBW (IP20)	RGBW (IP67)	DW (IP20)	DW (IP67)	COB (IP20)	COB (IP67)			
25,2W/m	25,2W/m	20W/m	20W/m	10W/m	10W/m			
✓	✗	✓	✗	✓	✗			

Images showing correct (green checkmark) and incorrect (red X) LED strip configurations with end caps.

ACCESSORIES 2m PROFILE WITH DIFFUSER
ACCESORIOS PERFIL CON DIFUSOR 2m

		Measures Profile (mm)	Mounting type	Strips width LED (mm)	Description	Reference
		17x9x2000	Surface Superficie	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269921/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269951
					4 stainless steel mounting clips 4 Clips de montaje inox	7269981
		17x15x2000	Surface Superficie	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269922/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269952
					4 stainless steel mounting clips 4 Clips de montaje inox	7269982
		16x16x2000	Surface Superficie	máx 12	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269923/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269953
					4 stainless steel mounting clips 4 Clips de montaje inox	7269983
		23x15x2000	Recessed Empotrado	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269924/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269954
					4 stainless steel mounting clips 4 Clips de montaje inox	7269984
		27x11x2000	Recessed and walkable Empotrado y pisable	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269925/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269955
					4 stainless steel mounting clips 4 Clips de montaje inox	7269985
		55x16x2000	Trimless	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269926/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269956

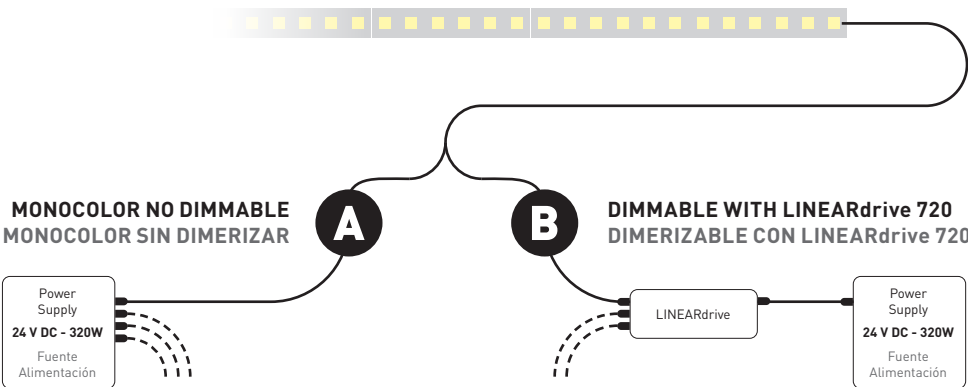


MONOCOLOR CONNECTIONS
CONEXIONES MONOCOLOR

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

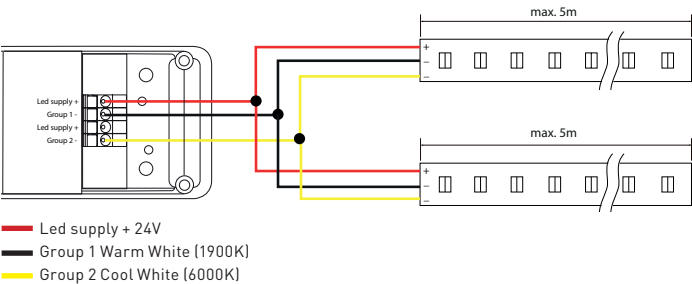
(with a 24 V DC - 320W power supply)
(con fuente de alimentación de 24 V DC - 320W)

Table with 6 columns: Model, 4,4W/m, 9,1W/m, 12,7W/m, 19,2W/m, COB. Rows include Reel lenght (5 m) and Max. Nº Reels (14, 7, 5, 3, 6).

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)



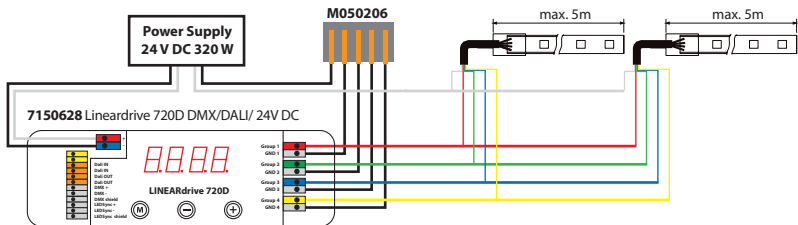
Dynamic White

Maximum 2 reels of 5 m of Linear Flex 100W 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 100W DW con fuente de alimentación de 320W y LINEARdrive 222D/220D. 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 2 reels of 5 m of Linear Flex 126W RGBW with power supply 320W and LINEARdrive 720D. Maximum 5 m from the power supply to the first reel connection.

Máximo 2 bobinas de 5 m de Linear Flex 126W 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 CRI>80 IP20	4,4W/m	22W/5m	IP20	2700K	7264000/80/2K7
				3000K	7264000/80/3K
				4000K	7264000/80/4K
	9,1W/m	45W/5m	IP20	2700K	7264001/80/2K7
				3000K	7264001/80/3K
				4000K	7264001/80/4K
	12,7W/m	64W/5m	IP20	2700K	7264002/80/2K7
				3000K	7264002/80/3K
				4000K	7264002/80/4K
	19,2W/m	96W/5m	IP20	2700K	7264003/80/2K7
				3000K	7264003/80/3K
				4000K	7264003/80/4K

Linear Flex Monocolor CRI>90 IP20	12,7W/m	64W/5m	IP20	2700K	7264002/90/2K7
				3000K	7264002/90/3K
				4000K	7264002/90/4K
	19,2W/m	96W/5m	IP20	2700K	7264003/90/2K7
				3000K	7264003/90/3K
				4000K	7264003/90/4K

Linear Flex Monocolor CRI>80 IP67	4,4W/m	22W/5m	IP67	2700K	7264030/80/2K7
				3000K	7264030/80/3K
				4000K	7264030/80/4K
	9,1W/m	45W/5m	IP67	2700K	7264031/80/2K7
				3000K	7264031/80/3K
				4000K	7264031/80/4K
	12,7W/m	64W/5m	IP67	2700K	7264032/80/2K7
				3000K	7264032/80/3K
				4000K	7264032/80/4K

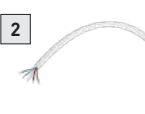
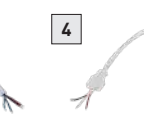
Linear Flex RGBW CRI>80	25,2W/m	126W/5m	IP20	4000K	7264202/11-4K
	25,2W/m	126W/5m	IP67	4000K	7264232/11-4K
	25,2W/m	126W/5m	IP20	2700K	7264202/11-2K7
	25,2W/m	126W/5m	IP67	2700K	7264232/11-2K7

Linear Flex DW CRI>80	20,0W/m	100W/5m	IP20	2300K-6000K	7264201/2K3-6K
	20,0W/m	100W/5m	IP67	2300K-6000K	7264231/2K3-6K

Linear Flex COB CRI>90	10W/m	50W/5m	IP20	2700K	7266001/90/2K7
				3000K	7266001/90/3K
				4000K	7266001/90/4K
	10W/m	50W/5m	IP67	2700K	7266031/90/2K7
				3000K	7266031/90/3K
				4000K	7266031/90/4K

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

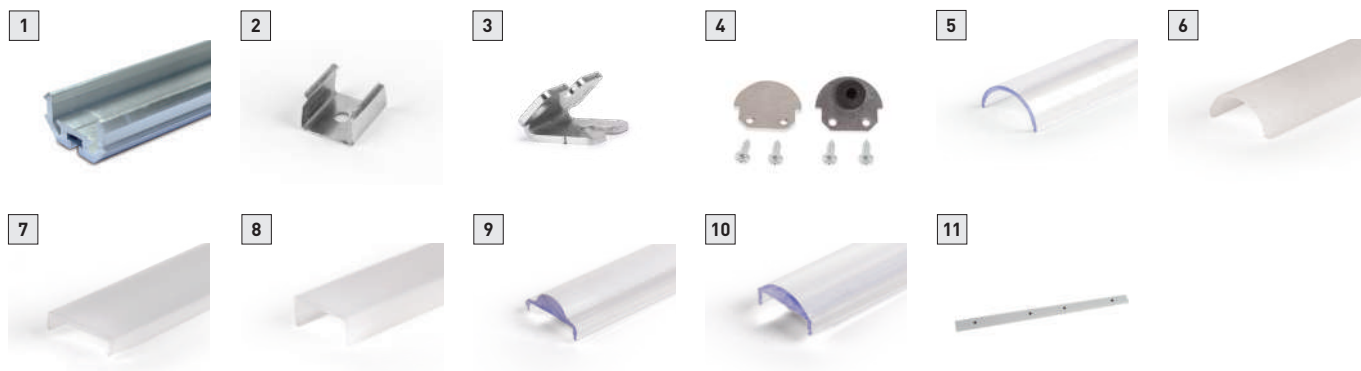
					
For Monocolor			Para Monocolor		
M050338 Kit 30 cm wire (IP20)			Kit cable alimentación 30 cm (IP20)		
M050350 * Kit 30 cm wire + End cap (IP67)			Kit cable alimentación 30 cm + tapa final (IP67)		
For RGBW			Para RGBW		
M050378 30 cm wire (IP20)			Cable alimentación 30 cm (IP20)		
M050387 * 30 cm wire + End cap (IP67)			Cable alimentación 30 cm + tapa final (IP67)		
For Dynamic White			Para Blanco Dinámico		
M050388 Kit 30 cm wire (IP20)			Kit cable alimentación 30 cm (IP20)		
M050374 * Kit 30 cm wire + End cap (IP67)			Kit cable alimentación 30 cm + tapa final (IP67)		
For COB			Para COB		
M050338 Kit 30 cm wire (IP20)			Kit cable alimentación 30 cm (IP20)		
M050389 * Kit 30 cm wire + End cap (IP67)			Kit cable alimentación 30 cm + tapa final (IP67)		
M050390 Silicone Glue (100 gr.) for LED Strip (IP67)			Pegamento de Silicona (100 gr.) para tiras LED (IP67)		

* To ensure the IP67 sealing degree of the LED strip, use silicone glue. Ref.(M050390)
* Para asegurar el grado de estanqueidad IP67 de la tira LED utiliza el pegamento de silicona. Ref.(M050390)

COMPATIBLE CONNECTORS TABLE TABLA DE CONECTORES COMPATIBLES

Linear Flex	Type	IP	Width	POWER WIRE	Linear Flex	Type	IP	Width	POWER WIRE
7264000/80/..	4,4W/m	IP20	8 mm	M050338	7264202/11-4K	25,2W/m RGBW	IP20	12 mm	M050378
7264001/80/..	9,1W/m	IP20	8 mm	M050338	7264232/11-4K	25,2W/m RGBW	IP67	14 mm	M050387
7264002/80/..	12,7W/m	IP20	8 mm	M050338	7264202/11-2K7	25,2W/m RGBW	IP20	12 mm	M050378
7264003/80/..	19,2W/m	IP20	10 mm	M050338	7264232/11-2K7	25,2W/m RGBW	IP67	14 mm	M050387
7264002/90/..	12,7W/m CRI>90	IP20	8 mm	M050338	7264201/2K3-6K	20,0W/m DW	IP20	10 mm	M050388
7264003/90/..	19,2W/m CRI>90	IP20	10 mm	M050338	7264231/2K3-6K	20,0W/m DW	IP67	12 mm	M050374
7264030/80/..	4,4W/m	IP67	10 mm	M050350	Linear Flex COB				
7264031/80/..	9,1W/m	IP67	10 mm	M050350	7266001/90/..	10W/m	IP20	8 mm	M050338
7264032/80/..	12,7W/m	IP67	10 mm	M050350	7266031/90/..	10W/m	IP67	10 mm	M050389

ACCESSORIES DIY REFERENCES REFERENCIAS ACCESORIOS DIY



8010400/C12	Aluminium profile for lens	Perfil aluminio para lente	1
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	5
M130367/C02	Round milky diffuser for aluminium profile	Difusor circular opal para perfil aluminio	6
M130342/C01	30° clear lens for aluminium profile	Lente transparente 30° para perfil aluminio	9
M130343/C01	60° clear lens for aluminium profile	Lente transparente 60° para perfil aluminio	10
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	7
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	8
7259110/C12	Mechanical junction between aluminium profiles	Unión mecánica entre perfiles de aluminio	11

ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



M050328	Thermal conductive tape (25m)	Cinta termoconductora (25m)	12
M050337	Mounting clips 12 mm 10 u.	Clips sujeción 12 mm 10 u.	13
M050336	3M adhesive tape 3 m	Cinta adhesiva 3M 3 m	14
7150131	24V 300W RGB controller + Remote control RF	Controlador RGB 24V 300W + Mando a distancia RF	15
7150127	24V 300W RGB amplifier	Amplificador RGB 24V 300W	16
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	17
7150628	LINEARdrive 720D DMX/DALI	LINEARdrive 720D DMX/DALI	18
M050206	WAGO connector 5 wires entry	Conector WAGO 5 vías	19

ACCESSORIES 2m PROFILE WITH DIFFUSER REFERENCES
REFERENCIAS ACCESORIOS PERFIL CON DIFUSOR 2m



7269921/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	1
7269951	2 end caps, 1 with hole, 1 without hole	2 Tapas finales , 1 con agujero, 1 sin agujero	
7269981	4 stainless steel mounting clips	4 Clips de montaje inox	
7269922/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	2
7269952	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269982	4 stainless steel mounting clips	4 Clips de montaje inox	
7269923/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	3
7269953	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269983	4 stainless steel mounting clips	4 Clips de montaje inox	
7269924/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	4
7269954	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269984	4 stainless steel mounting clips	4 Clips de montaje inox	
7269925/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	5
7269955	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269985	4 stainless steel mounting clips	4 Clips de montaje inox	
7269926/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	6
7269956	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	

Empire cinemas,
Jazan , Saudi Arabia





LINEAR FLEX DIFFUSE

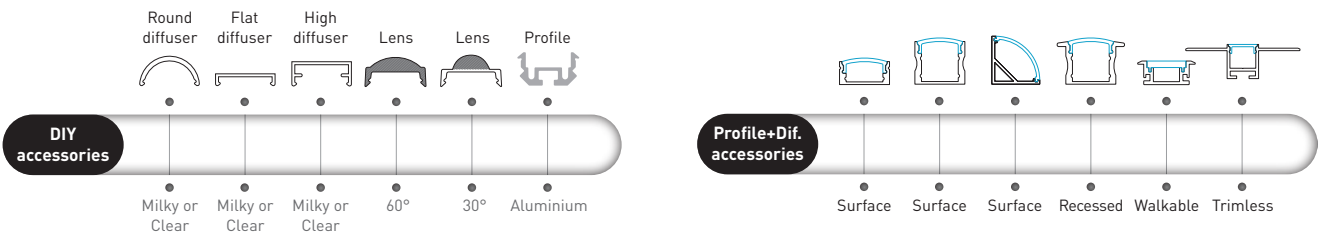
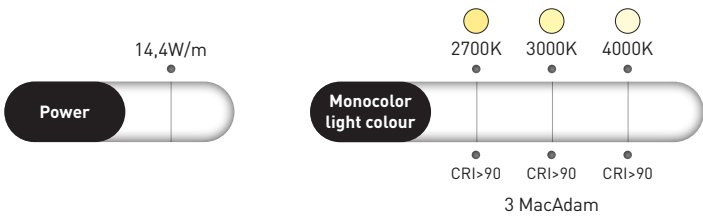
3 MacAdam



LINEAR FLEX DIFFUSE

3 MacAdam

- Cove lighting and outdoor application (IP67)
 - Uniform and comfortable light in only 4 mm thickness
 - High visual comfort thanks to its milky silicone body
 - Small dimensions, super slim 4mm
 - Up to 1300lm/m
 - CRI>90 & 3 MacAdam: color quality and stability
 - Dimmable flexible strip
 - It can be cut on size at site
 - Accessories: aluminum profile and quick connectors
- Iluminación de foseados y aplicaciones de exterior (IP67)
 - Luz uniforme y confortable con 4mm de espesor
 - Alto confort visual gracias a su cuerpo opal de silicona
 - Reducidas dimensiones, super slim 4mm
 - Hasta 1300lm/m
 - CRI>90 & 3 MacAdam: calidad y estabilidad de los colores
 - Tiras flexibles dimerizables
 - Se puede cortar a medida en la obra
 - Perfiles de aluminio y conectores rápidos como accesorios



SPECIFICATIONS
CARACTERÍSTICAS

	24V DC	IP67	CRI>90	3-step MacAdam	LED SMD	Beam Angle 120°	Dimmable	45.000h LIFE	Silicone	3M Adhesive tape	L80 B10 >50.000h Ta +25°C	Ta min -20°C -4°F Ta max +45°C +113°F	CB Test	CE
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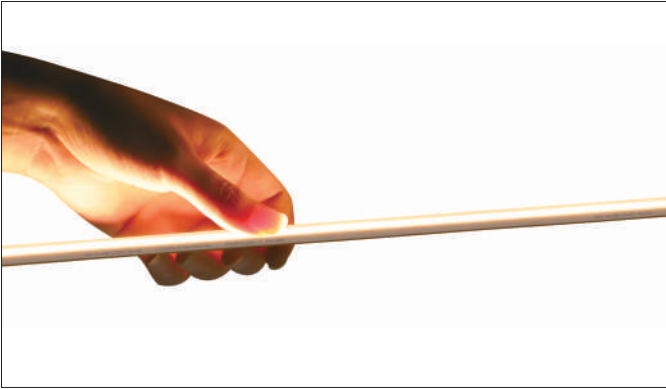
Linear Flex® Diffuse IP67													
Versión	Color (K)	Bin (±K)	CRI*	lm/m (lm)	lm/W (lm)	Nº de LEDs/m	Distancia LEDs (mm)	Unidad Corte (mm)	W/bobina (W)	Longitud (m)	Anchura (mm)	IP	Referencia
14,4 W/m	2700K	50	>90	1100 lm	76	280	3,6	25	72W	5m	12	67	7265023/90/2K7
	3000K	75		1150 lm	80								7265023/90/3K
	4000K	125		1300 lm	90								7265023/90/4K



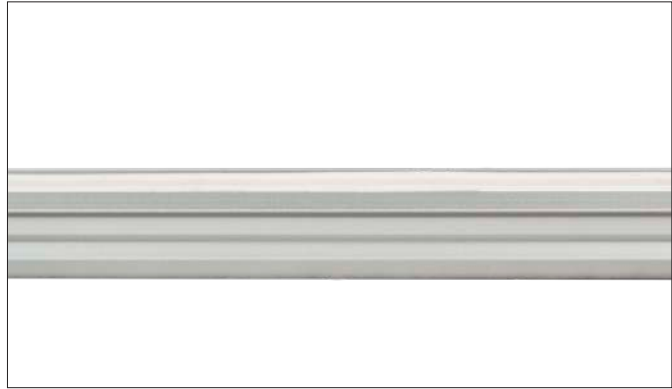
TopFlex



IP67 Waterproof
Impermeable IP67



Minimalist design Super Slim 4mm
Diseño minimalista Super Slim 4mm

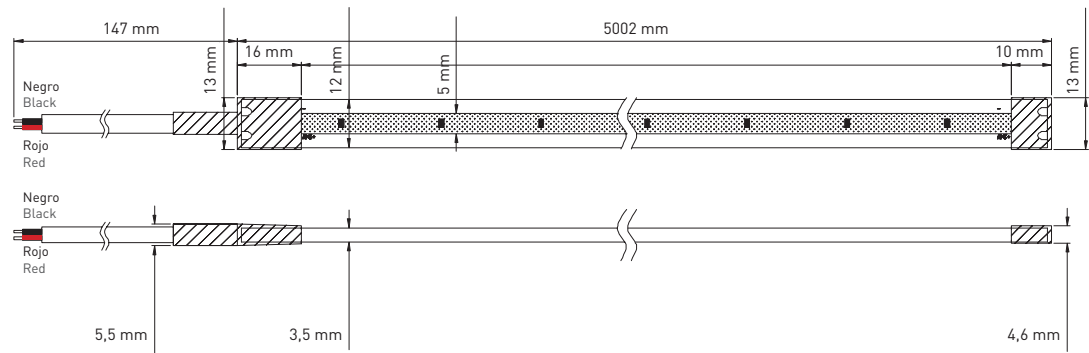


Color temperature conform to **ANSI C78.377A**.
Temperatura de color según normativa **ANSI C78.377A**.

LINEAR FLEX DIFFUSE

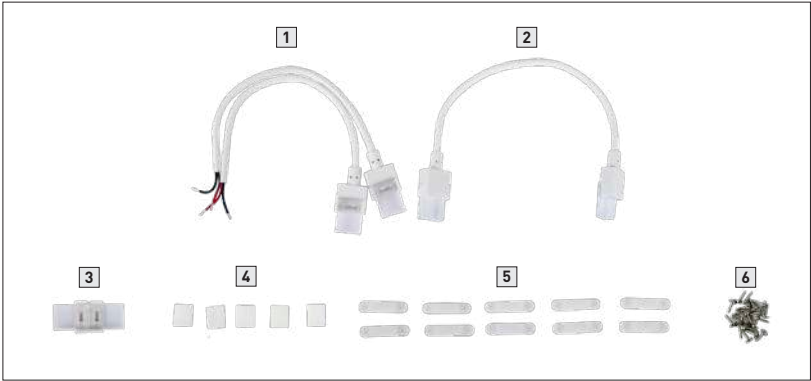
3 MacAdam

MEASURES MEDIDAS



PACK ACCESSORIES PACK ACCESORIOS

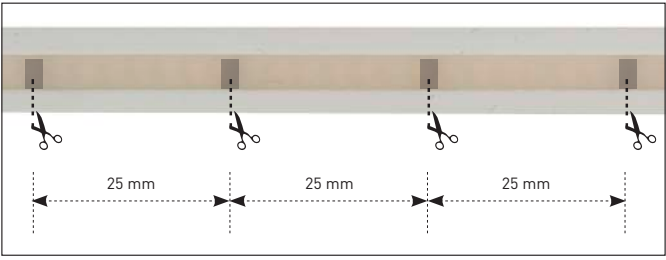
		Units	Ref.
1	Cable with end connector Cable con conector final	2	7269901
2	Cable with end connector on both sides Cable con conector final a ambos lados	1	
3	Straight connector Conector recto	1	
4	End cap Tapa final	5	
5	Clips Clips	10	
6	Screw Tornillo	20	



DETAILS DETALLES

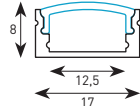
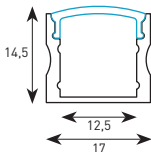
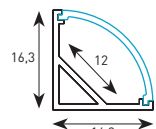
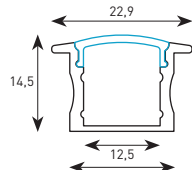
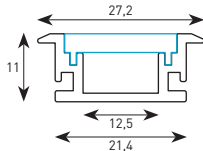
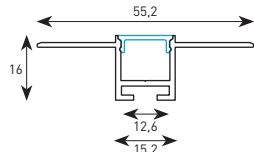


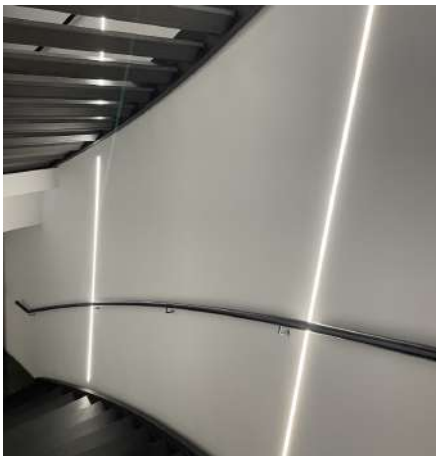
3M adhesive tape
Cinta adhesiva 3M



Cut every 25 mm at the black point
Cortar cada 25 mm en el punto negro

ACCESSORIES 2m PROFILE WITH DIFFUSER ACCESORIOS PERFIL CON DIFUSOR 2m

		Measures Profile (mm)	Mounting type	Strips width LED (mm)	Description	Reference
		17x9x2000	Surface Superficie	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269921/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269951
					4 stainless steel mounting clips 4 Clips de montaje inox	7269981
		17x15x2000	Surface Superficie	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269922/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269952
					4 stainless steel mounting clips 4 Clips de montaje inox	7269982
		16x16x2000	Surface Superficie	máx 12	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269923/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269953
					4 stainless steel mounting clips 4 Clips de montaje inox	7269983
		23x15x2000	Recessed Empotrado	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269924/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269954
					4 stainless steel mounting clips 4 Clips de montaje inox	7269984
		27x11x2000	Recessed and walkable Empotrado y pisable	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269925/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269955
					4 stainless steel mounting clips 4 Clips de montaje inox	7269985
		55x16x2000	Trimless	máx 12,5	Anodized aluminum profile + PC Opal diffuser (2m) Perfil de aluminio anodizado + Difusor PC Opal (2m)	7269926/C02
					2 end caps, 1 with hole, 1 without hole 2 Tapas finales, 1 con agujero, 1 sin agujero	7269956



Choose your diffuser or lens according to your lighting project
Escoje el difusor o lente que se adapte mejor a tu proyecto lumínico

The exploded view diagram illustrates the components of the 1000 Series LED strip light assembly:

- A**: A long, thin, white LED strip light with a textured surface.
- B**: A long, thin, white plastic housing or channel with a U-shaped cross-section.
- C**: A small, white, rectangular component, likely a connector or end cap.
- D**: A small, white, rectangular component, likely a mounting bracket or clip.

Opal

Clear

Opal

Clear

Opal

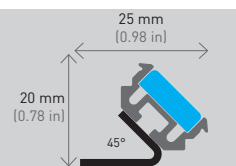
Clear

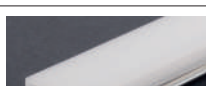
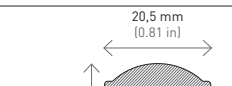
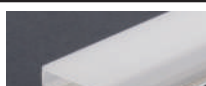
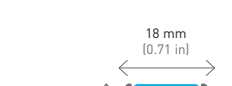
A diagram showing a dome-shaped structure, possibly a vaulted ceiling or a dome, resting on a rectangular base. The dome is shaded with diagonal lines.

Clip
Clip

18 mm
(0.71 in)

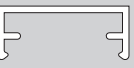
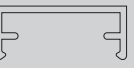
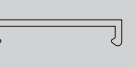
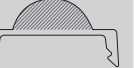
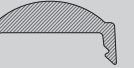
12 mm
(0.47 in)



		AL. Profile + Clip + Flat milky cover. Perfil AL. + Clip + Cubierta plana opal.			AL. Profile + Clip + 60° Lens. Perfil AL. + Clip + Lente 60°.
		AL. Profile + Clip + High milky cover. Perfil AL. + Clip + Cubierta opal alta.			AL. Profile + Clip + 30° Lens. Perfil AL. + Clip + Lente 30°.
		AL. Profile + Clip + Round clear cover. Perfil AL. + Clip + Cubierta redonda transparente.			AL. Profile + Clip. Perfil AL. + Clip.

DETAILS
DETALLES

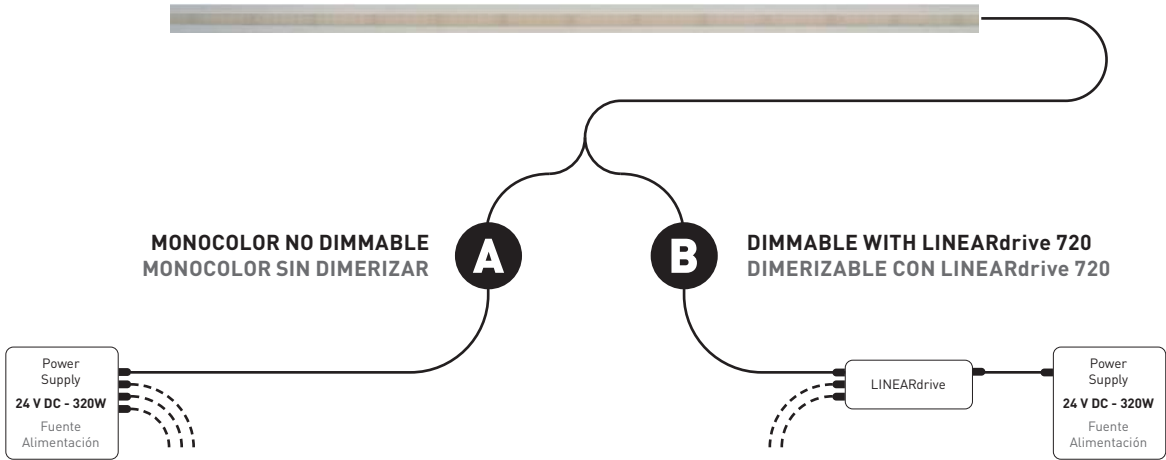
POWER WIRE TABLE COMPATIBLE WITH DIFFUSERS, LENS & END CAPS
TABLA DE CABLES ALIMENTACIÓN COMPATIBLES CON DIFUSORES, LENTES Y TAPAS FINALES

							
Round milky cover Cubierta opal redonda	Round clear cover Cubierta redonda transparente	High milky cover Cubierta opal alta	High clear cover Cubierta alta transparente	Flat milky cover Cubierta plana opal	Flat clear cover Cubierta plana transparente	30° lens Lente 30° (diffuser light)	60° lens Lente 60° (diffuser light)
✓	✓	✓	✓	✗	✗	✗	✗
							



Desde 1911 restaurant
Madrid, Spain

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.

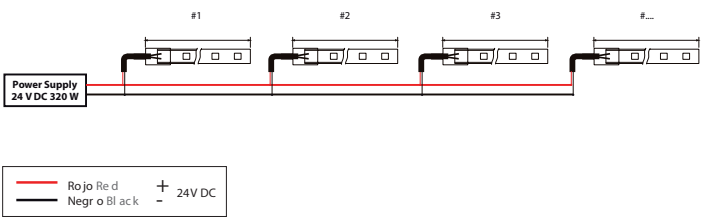
MAXIMUM REELS CONNECTION TABLE
TABLA CON MÁXIMO DE BOBINAS CONECTADAS

[with a 24 V DC - 320W power supply]
[con fuente de alimentación de 24 V DC - 320W]

REAL POWER	REAL LENGHT	MAX. Nº REELS
72W	5 m	4

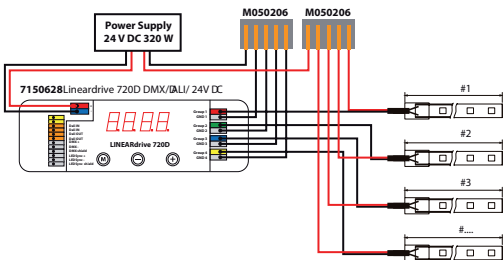
Values calculated without considering voltage drop.
Datos calculados sin caída de tensión.

MONOCOLOR SIN DIMERIZAR
MONOCOLOR NO DIMMABLE



Rojo Red + 24V DC
Negro Black - 24V DC

MONOCOLOR DIMERIZABLE
MONOCOLOR DIMMABLE



To control the luminaires via Bluetooth see page 338
Para controlar las luminarias via Bluetooth consultar página 338

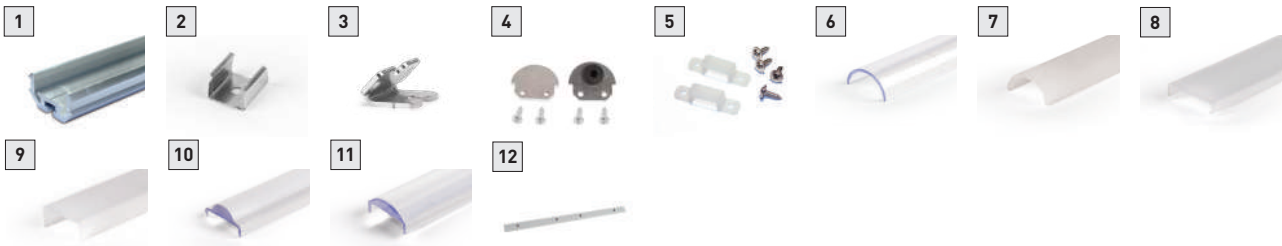
Power supplies page 342
Fuentes de alimentación página 342

REFERENCES REFERENCIAS

Linear Flex® Diffuse	14,4W/m	72W/5m	IP67	2700K	7265023/90/2K7
				3000K	7265023/90/3K
				4000K	7265023/90/4K

Pack accessories	Cable with end connector (2 units)		7269901
	Cable with end connector on both sides (1 unit)		
	Straight connector (1 unit)	End cap (5 units)	
	Screw (20 units)	Clips (10 units)	

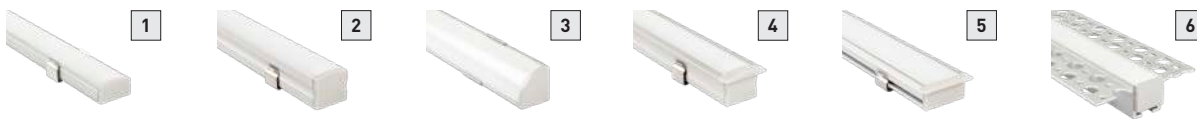
ACCESSORIES DIY REFERENCES REFERENCIAS DIY ACCESORIOS



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
M050337	Mounting clips 12 mm 10 u.	Clips sujeción 12 mm 10 u.	5
M130367/C01	Round clear cover for aluminium profile	Difusor circular transparente para perfil aluminio	6
M130367/C02	Round milky diffuser for aluminium profile	Difusor circular opal para perfil aluminio	7
M130342/C01	30° clear lens for aluminium profile	Lente transparente 30° para perfil aluminio	10
M130343/C01	60° clear lens for aluminium profile	Lente transparente 60° para perfil aluminio	11
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	8
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	9
7259110/C12	Mechanical junction between aluminium profiles	Unión mecánica entre perfiles de aluminio	12

Power supply see page 318 Fuentes alimentación ver página 318

ACCESSORIES 2m PROFILE WITH DIFFUSER REFERENCES REFERENCIAS ACCESORIOS PERFIL CON DIFUSOR 2m



7269921/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	1
7269951	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269981	4 stainless steel mounting clips	4 Clips de montaje inox	
7269922/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	2
7269952	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269982	4 stainless steel mounting clips	4 Clips de montaje inox	
7269923/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	3
7269953	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269983	4 stainless steel mounting clips	4 Clips de montaje inox	
7269924/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	4
7269954	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269984	4 stainless steel mounting clips	4 Clips de montaje inox	
7269925/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	5
7269955	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	
7269985	4 stainless steel mounting clips	4 Clips de montaje inox	
7269926/C02	Anodized aluminum profile + PC Opal diffuser (2m)	Perfil de aluminio anodizado + Difusor PC Opal (2m)	6
7269956	2 end caps, 1 with hole, 1 without hole	2 Tapas finales, 1 con agujero, 1 sin agujero	

Empire cinemas ,
KSA



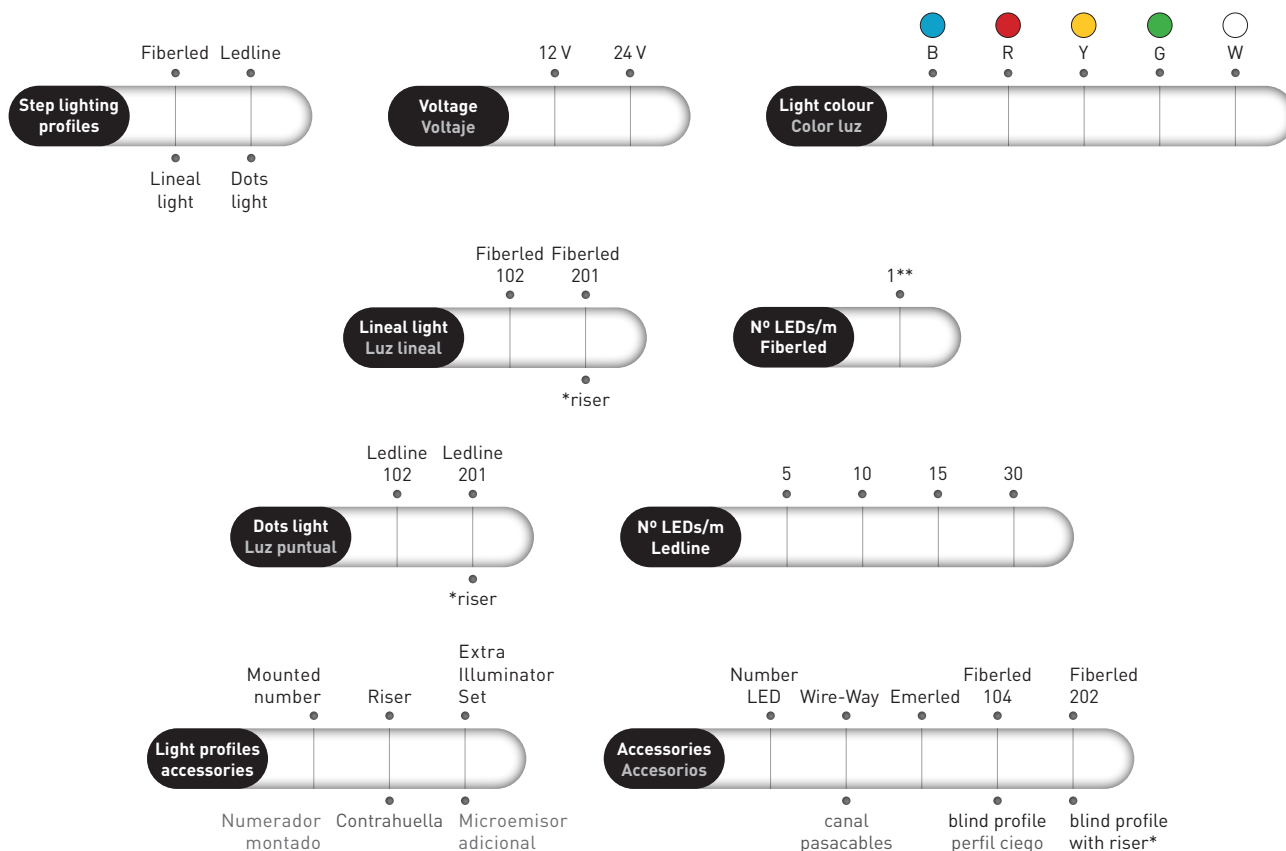


STEP&AISLES PROFILES



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.



* 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



12V DC
24V DC

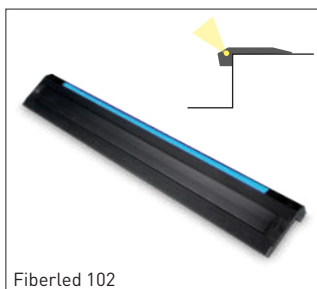
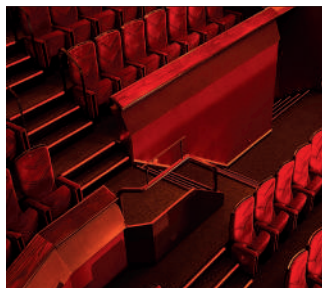
IP20

AL Housing

ADA Compliant



FIBERLED												
	Application	Measures (mm)	Weight (kg/m)	N° 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



Fiberled 102



Fiberled 201:
optional riser illumination

LEDLINE															
	Aplication	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



Ledline 102



Ledline 201:
optional riser illumination

ACCESSORIES													
	Aplication	Measures (mm)	Weight (kg/m)	Material	Nº of LEDs	W/m		Light colour					Optional riser Opción contrahuella
						12V	24V						
Numberted 70	floor suelo	70 x 70 x 5	0,08	PVC	1	0,25	0,5	x	x	x	x	x	-
Numberted 110	floor suelo	110 x 110 x 5	0,09	PVC	1	0,25	0,5	x	x	x	x	x	-
Fiberted 104	step escalón	73,6 x 22	0,89	Aluminium	-	-	-	-	-	-	-	-	-
Fiberted 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	-	-	-	-	-	-	-	-	-

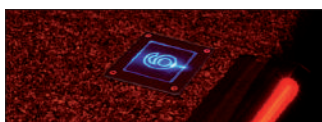


Emergency
light power
supply.
1h. autonomy

Emerled



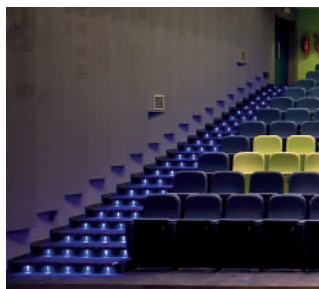
Fiberled 104



Numberled



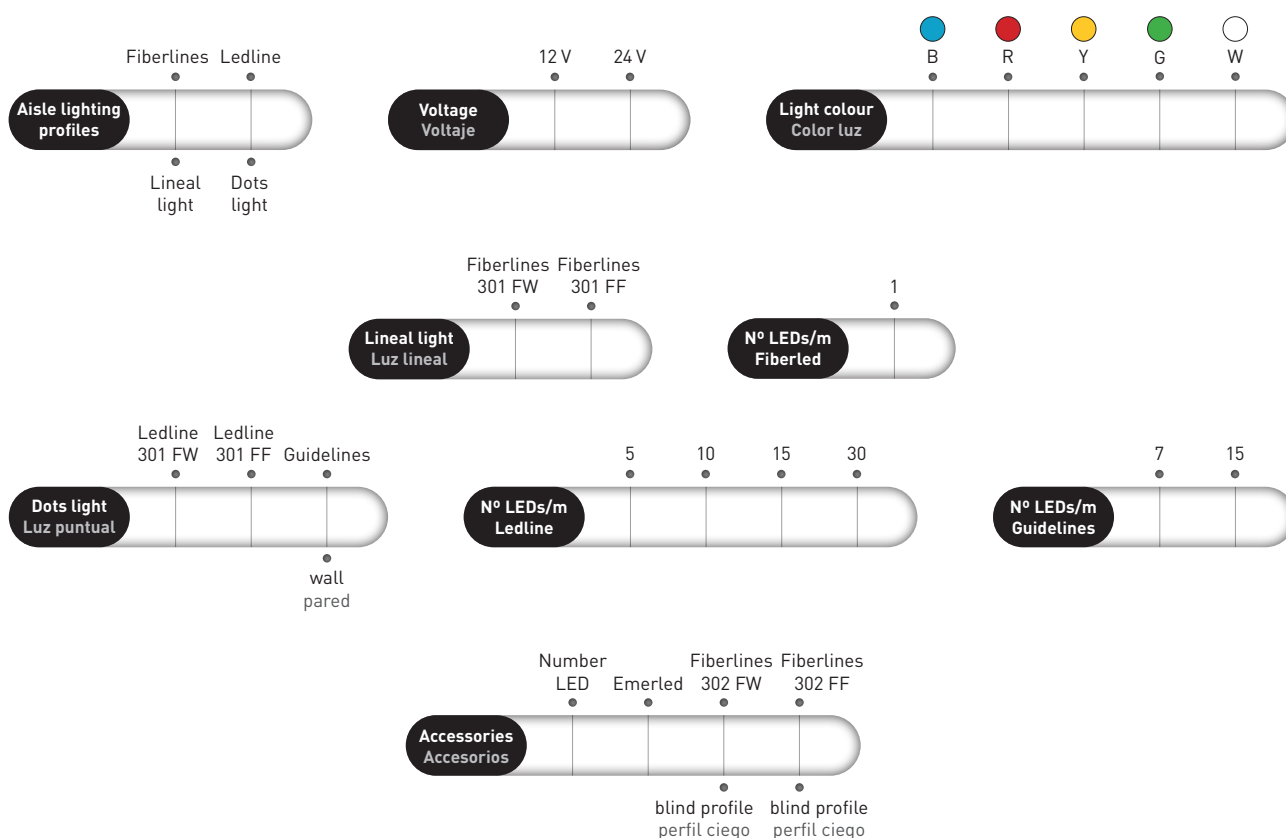
Wire-Way



Fiberled 202:
blind profile with
optional riser illumination

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


12V DC
24V DC

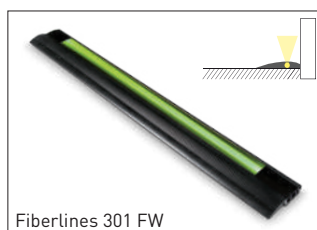
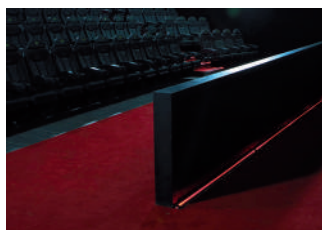
IP20

AL Housing

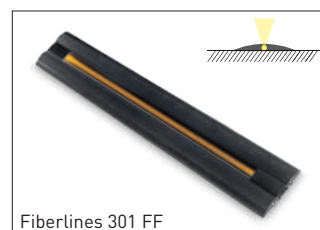
ADA Compliant


FIBERLINES

	Aplication	Measures (mm)	Weight (kg/m)	Nº of LEDs / m	W/m		Light colour				
					12V	24V					
Fiberlines 301 FW	floor/wall suelo/pared	50,7 x 12,8	0,54	1	0,25	0,5	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



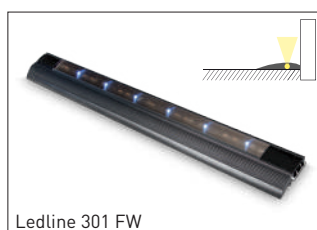
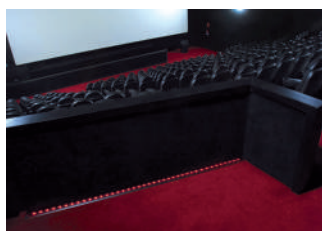
Fiberlines 301 FW



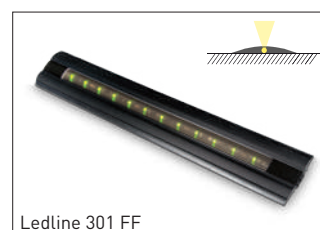
Fiberlines 301 FF

LEDLINE

	Aplication	Measures (mm)	Weight (kg/m)	Nº of LEDs / m				W/m		Light colour				
								12V	24V					
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



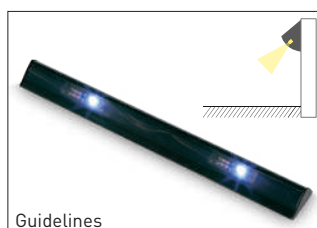
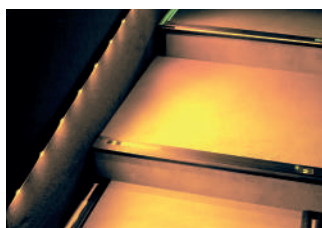
Ledline 301 FW



Ledline 301 FF

GUIDELINES

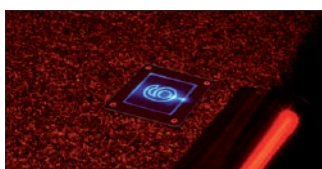
	Aplication	Measures (mm)	Weight (kg/m)	Nº of LEDs / m		W/m		Light colour				
						12V	24V					
Guidelines	wall pared	27 x 18,5	0,19	7	15	Consult	Consult	x	x	x	x	x



Guidelines

ACCESSORIES

	Aplication	Measures (mm)	Weight (kg/m)	Material	Nº of LEDs	W/m		Light colour				
						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
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

Emergency
light power
supply.
1h. autonomy



Fiberlines 302 FW



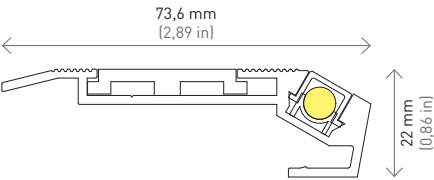
Fiberlines 302 FF

STEP PROFILES

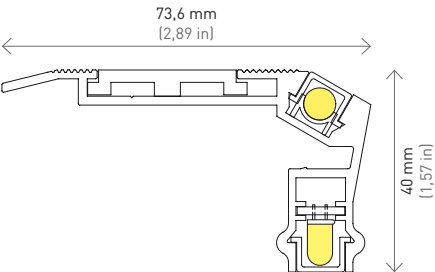
MEASURES STEP LIGHTING PROFILES MEDIDAS PERFILES PARA ESCALÓN

FIBERLED

Fiberled 102

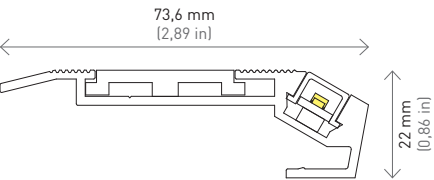


Fiberled 201

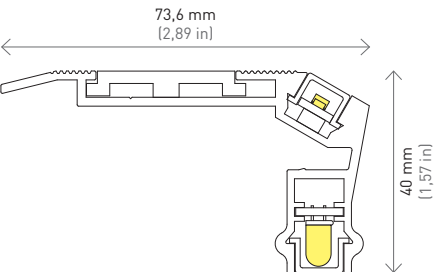


LEDLINE

Ledline 102

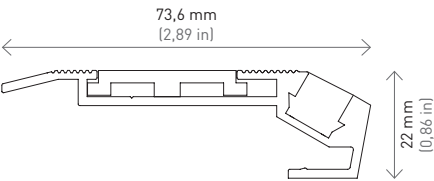


Ledline 201

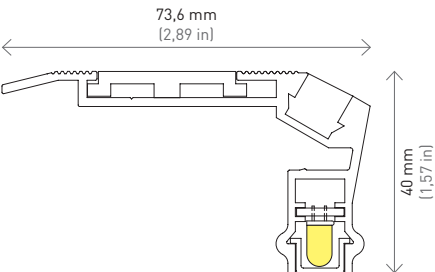


ACCESSORIES

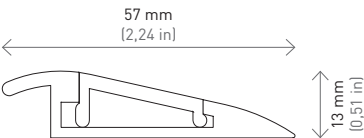
Fiberled 104



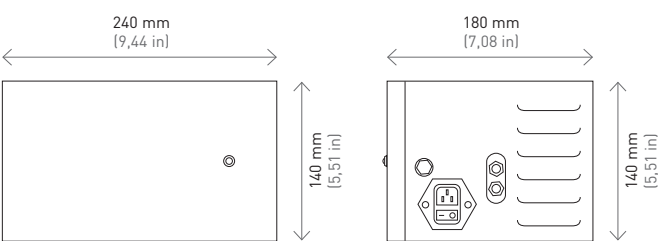
Fiberled 202



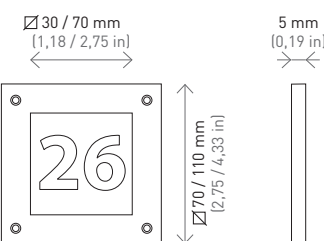
Wire-Way



Emerled



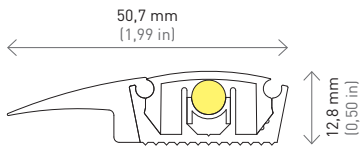
Numbered



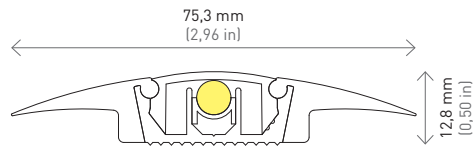
MEASURES AISLE LIGHTING PROFILES MEDIDAS PERFILES PARA PASILLOS

FIBERLINES

Fiberlines 301 FW

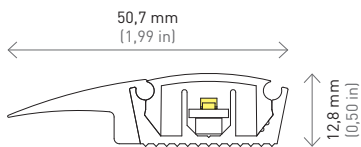


Fiberlines 301 FF

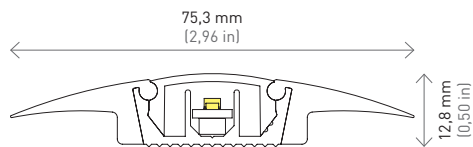


LEDLINE

Ledline 301 FW

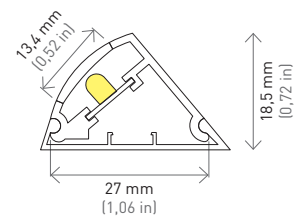


Ledline 301 FF



GUIDELINES

Guidelines

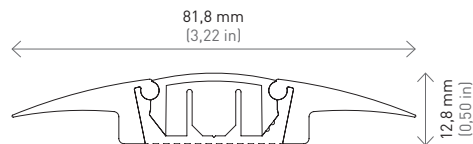


ACCESSORIES

Fiberlines 302 FW



Fiberlines 302 FF



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		7090205/C..	
	12V	ADA compliant	Norma ADA		7090206/C..	
	12V	ADA compliant	Norma ADA		7090207/C..	
	12V	ADA compliant	Norma ADA		7090208/C..	
	24V	ADA compliant	Norma ADA		7090225/C..	
	24V	ADA compliant	Norma ADA		7090226/C..	
	24V	ADA compliant	Norma ADA		7090227/C..	
	24V	ADA compliant	Norma ADA		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		7090305/C..	
	12V	ADA compliant	Norma ADA		7090306/C..	
	12V	ADA compliant	Norma ADA		7090307/C..	
	12V	ADA compliant	Norma ADA		7090308/C..	
	24V	ADA compliant	Norma ADA		7090325/C..	
	24V	ADA compliant	Norma ADA		7090326/C..	
	24V	ADA compliant	Norma ADA		7090327/C..	
	24V	ADA compliant	Norma ADA		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



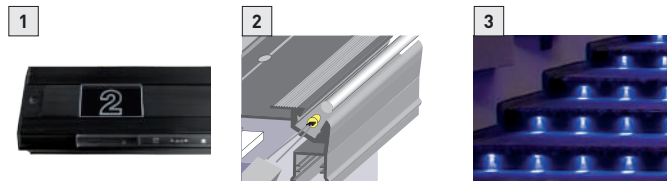
...09	Blue	Azul
...03	Red	Rojo
...07	Yellow	Amarillo
...08	Green	Verde
...02	White	Blanco

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		1
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)		
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		2
8060101/C..	**Mounted Extra-Illuminator Set 12V DC (1un)	**Microemisor adicional montado 12V DC (1un)		
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		3
8070201/C..	Mounted electronic module for riser - 2 LEDs/m 12V DC (1m)	Módulo electrónico montado para contrahuella - 2 LEDs/m 12V DC (1m)		
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



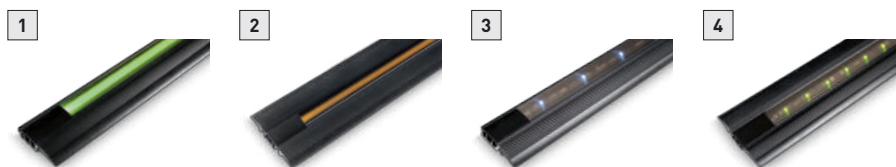
8040221/C..	NUMBERLED engraved 110x110 mm - 12V DC	NUMBERLED grabado 110x110 mm - 12V DC	1
8040222/C..	NUMBERLED engraved 110x110 mm - 24V DC	NUMBERLED grabado 110x110 mm - 24V DC	
8040321/C..	NUMBERLED engraved 70x70 mm - 12V DC	NUMBERLED grabado 70x70 mm - 12V DC	
8040322/C..	NUMBERLED engraved 70x70 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	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		7090701/C..	
	12V	Standard		7090702/C..	
	12V	Standard		7090703/C..	
	24V	Standard		7090705/C..	
	24V	Standard		7090706/C..	
	24V	Standard		7090707/C..	
	24V	Standard		7090708/C..	
Ledline 301 FF	12V	Standard	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		7090601/C..	
	12V	Standard		7090602/C..	
	12V	Standard		7090603/C..	
	24V	Standard		7090605/C..	
	24V	Standard		7090606/C..	
	24V	Standard		7090607/C..	
	24V	Standard		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

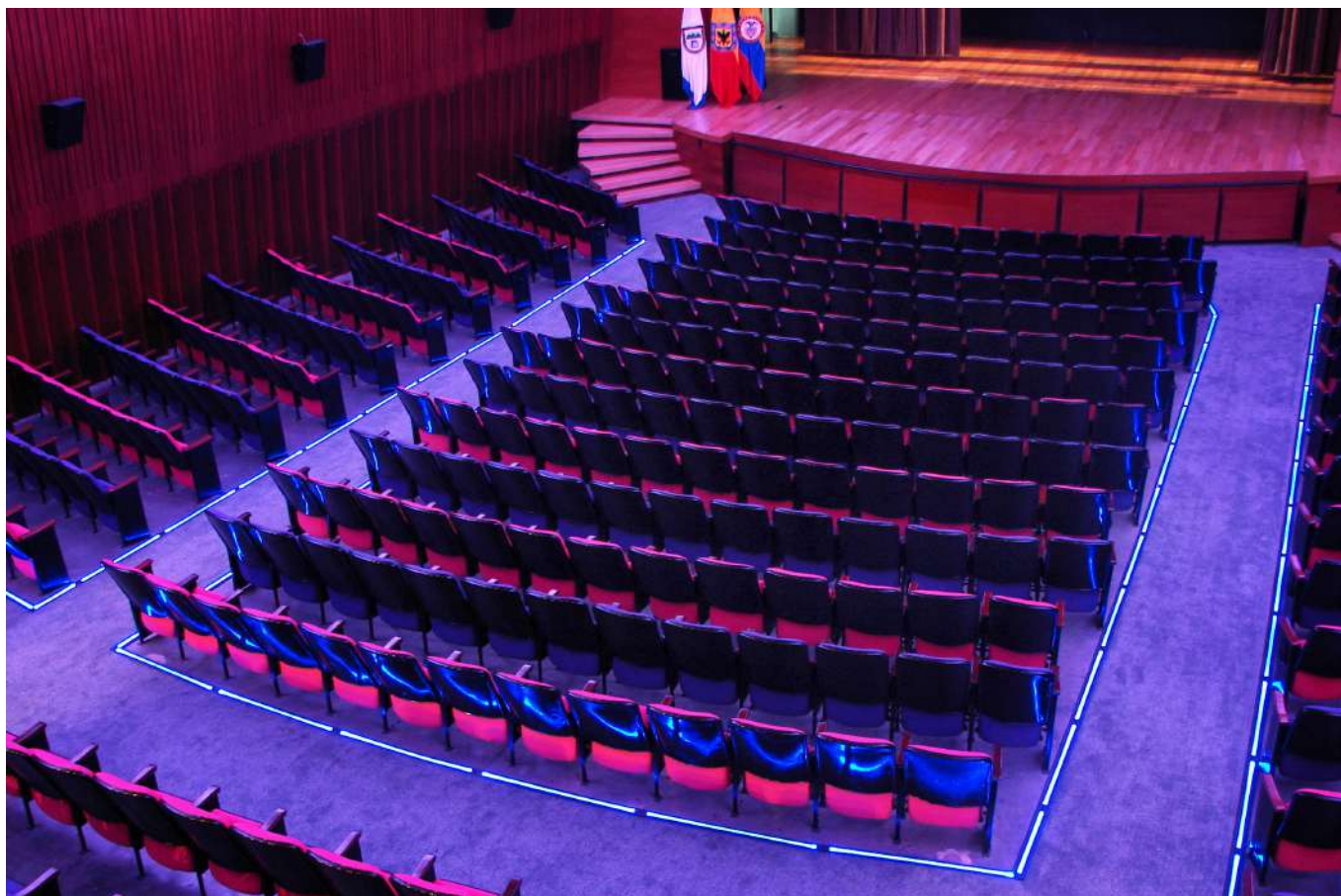
ACCESSORIES REFERENCES REFERENCIAS ACCESORIOS



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)	
7031000	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
7030800	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

To control the luminaires via Bluetooth see page 338
Para controlar las luminarias via Bluetooth consultar página 338

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



ECCI Theatre,
Bogotá, Colombia

* GUIDELINES WALL LIGHTING - REFERENCES

* GUIDELINES PERFIL DE PARED - REFERENCIAS



M130222	Semi-rigid channel profile of black PVC.	Perfil base canalizador en PVC negro semi-rígido.
M130318	Co-extruded cover profile of black PVC and clear polycarbonate	Perfil tapa co-extrusionado en PVC negro y policarbonato transparente
M200003	Black aluminium end-caps right	Tapa de aluminio negro derecha
M200004	Black aluminium end-caps left	Tapa de aluminio negro izquierda

Guidelines 15 LED'S	12V	Standard	15 LEDs	Coil of 15 LED's/m. (6 m.) (12/24V DC) in blue, white, green, red or yellow Bobina de 15 LED's/m. (6 m.) (12/24V DC) en azul, blanco, verde, rojo o amarillo	M210550/C..	1
	24V	Standard	15 LEDs		M210551/C..	
Guidelines 7 LED'S	12V	Standard	7 LEDs	Coil of 7 LED's/m. (12 m.) (12/24V DC) in blue, white, green, red or yellow Bobina de 7 LED's/m. (12 m.) (12/24V DC) en azul, blanco, verde, rojo o amarillo	M210552/C..	1
	24V	Standard	7 LEDs		M210553/C..	

* In addition to the complete system, you must order end-caps separately
* En el sistema completo deben pedirse las tapas finales aparte

Complete reference with color number
Complete la referencia con el número del color



...02	White	Blanco
...03	Red	Rojo
...07	Yellow	Amarillo

...08	Green	Verde
...09	Blue	Azul

Royal Walls of Ceuta,
Ceuta, Spain





SERVICES
CONTROLLERS
SPLITTERS
DRIVERS
BLUETOOTH
POWER SUPPLY



MCI LIGHT SYSTEM LIGHTING INTEGRATION SERVICE

MCI LIGHTS offers the following services, which allows us to provide a global service at site in order to assure the correct performance of the equipment, being present from the beginning until the end of the project realization. That's what differentiates us from our competitors:

Pre-wire visit

Intended to collect all the project information in order to coordinate with the installer team and subsequently be able to carry out detailed shop drawings and installation drawings.

Shop Drawings / Installations Drawings

Creation with maximum detail of the necessary drawings so that the installer can carry out the work with the greatest possible precision.

Onsite commissioning

MCI LIGHTS will assign an engineer to the work who will supervise the different phases of the project during the installation period, verifying each one of them in order to avoid errors and delays in its execution.

Onsite programming

Hardware and software configuration and creation of lighting scenes on site, according to customer requirements. Carrying out the necessary light tests and synchronization with other existing automation systems, if necessary.

Training

Training in the use, modification and maintenance of the system, both at a computer and electrical level, both of the control and of the installed luminaires and their auxiliary equipment.

Offsite show programming

Management of light scenes remotely through remote desktop software

MCI LIGHTS ofrece los siguientes servicios los cuales nos permiten dar un servicio global en la obra para asegurar un correcto funcionamiento del sistema al estar presente desde el inicio del proyecto hasta al final y esto es lo que nos diferencia de nuestros competidores:

Visita pre-instalación

Destinado a recopilar toda la información del proyecto para coordinar con el equipo instalador y posteriormente poder realizar planos de detalle de taller y planos de instalación.

Planos de implantación / Planos de instalación

Realización con el máximo detalle de los planos necesarios para que el instalador pueda realizar el trabajo con la mayor precisión posible.

Puesta en marcha y verificación de la instalación in situ

MCI LIGHTS asignará a la obra un ingeniero que supervisará las diferentes fases del proyecto durante el periodo de instalación, verificando cada una de ellas para evitar errores y retrasos en su ejecución.

Programación en la obra

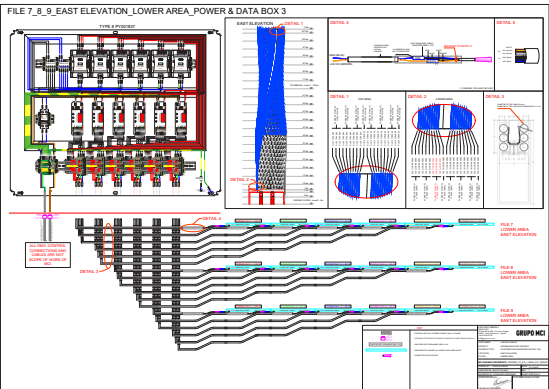
Configuración hardware y software y creación de escenas de iluminación on site, según requerimientos del cliente. Realización de las pruebas de luz necesarias y sincronización con otros sistemas de automatización existentes, si fuese necesario.

Formación

Formación en el uso, modificación y mantenimiento del sistema, tanto a nivel informático como eléctrico, tanto del control como de las luminarias instaladas y sus equipos auxiliares.

Programación de escenas lumínicas

Gestión de escenas de luz de forma remota a través de software de escritorio remoto.



7150191	Pre-wire visit	Visita preinstalación
7150196	Shop Drawings / Installations Drawings	Planos de implantación / Planos de instalación
7150198	Onsite commissioning	Puesta en marcha y verificación de la instalación in situ
7150100	Onsite programming	Programación en la obra
7150190	Training	Formación
7150199	Offsite show programming	Programación de escenas lumínicas



Internal Gate ISF,
Doha, Qatar

DINA CONTROLLERS

CONTROLLERS DINA RANGE RANGO DE CONTROLADORES DINA



	DR1	DR1 LITE	DR2	DR2 LITE	DINA TOUCH	DRμ
Reference Referencia	Ref. 7150680	Ref. 7150681	Ref. 7150684	Ref. 7150683	Ref. 7150686(*)	Ref. 7150682
GENERAL GENERAL						
Dimensions Dimensiones	160 x 91 x 62 mm	160 x 91 x 62 mm	106 x 91 x 59 mm	106 x 91 x 59 mm	182 x 121 x 14 mm	52 x 29 x 24 mm
Weight Peso	317g	317g	180g	180g	518g	16g
USB connection Conexión USB	●	●	●	●	—	●
Ethernet connection Conexión Ethernet	●	●	●	●	●	—
Output channels Canales de salida	3072 [DMX, Art-Net, SPI]	1024 [DMX] ⁽²⁾	1024 [DMX] ⁽³⁾	512 [DMX] ⁽³⁾	WIFI (2,4 GHz)	60 [DMX]
RDM	●	●	●	●	—	—
SPI (LED Pixel)	●	Optional Opcional	—	—	—	—
Art-Net	●	●	—	—	—	—
DALI	● ⁽¹⁾	● ⁽¹⁾	—	—	—	—
Memory capacity Capacidad de memoria	16 MB	16 MB	—	—	—	8KB
Micro SD card Tarjeta Micro SD	●	●	●	●	—	—
Light cloud Internet cloud	●	Optional Opcional ⁽⁴⁾	●	Optional Opcional ⁽⁴⁾	—	—
SOFTWARE PROGRAMMING SOFTWARE DE PROGRAMACIÓN						
ESA2	PC/Mac	PC/Mac	PC/Mac	PC/Mac	—	PC/Mac
ESA PRO 2	PC/Mac	PC/Mac	PC/Mac	PC/Mac	—	PC/Mac
Remote control apps	iOS/Android	iOS/Android	iOS/Android	iOS/Android	●	—
Arcolis app	iOS/Android	iOS/Android	iOS/Android	iOS/Android	●	Android
STANDALONE MODE MODO STANDALONE						
Number of scenes Numero de escenas	2000	2000	99	99	—	99
Number of zones Numero de zonas	20	20	5	5	—	1
Power voltage Tensión de alimentación	8-15V DC	8-15V DC	8-15V DC	8-15V DC	9V DC	5-5,5V DC
Power connector Conector de alimentación	Screw terminal Terminal de tornillo	Screw terminal Terminal de tornillo	Screw terminal Terminal de tornillo	Screw terminal Terminal de tornillo	—	Mini USB Mini USB
TRIGGERING ACTIVADORES						
Ports Puertos	8	8	8 + 3	8 + 3	—	—
Clock/calendar triggers Despertadores de reloj / calendario	●	●	●	●	—	—
RS232	●	Optional Opcional	—	—	—	—
Ethernet connection Conexión Ethernet	●	●	●	●	—	—
Audio Audio	●	Optional Opcional	—	—	—	—
DALI	● ⁽¹⁾	● ⁽¹⁾	—	—	—	—
DINA TOUCH	●	●	●	●	—	—
ACCESSORIES ACCESORIOS						
AC/DC adapter Adaptador AC / DC	Included Incluido	Included Incluido	Included Incluido	Included Incluido	Included Incluido	Included Incluido

(1) Coming soon Próximamente

(2) Upgradable to 3072 channels as an option Ampliable hasta 3072 canales es opcional

(3) Upgradable to 1536 channels as an option Ampliable hasta 1536 canales es opcional

(*) This touch screen needs to connect to a DINA controller: DR1, DR2, STICK DE3 or CW4.

(*) Esta pantalla táctil necesita conectarse a un controlador DINA: DR1, DR2, STICK DE3 o CW4.

DINA CONTROLLERS SPECIFICATIONS CARACTERÍSTICAS CONTROLADORES DINA

SPECIFICATIONS DR1 / DR1 LITE CARACTERÍSTICAS DR1 / DR1 LITE

IP20	DMX RDM	SPI	Art-Net	DALI	0°C +50°C	12 V DC	III	PC cover	RoHS	CE
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7150680	6 univers DMX-RDM + ART-NET + SPI + DALI controller / DINA DR1	Controlador 6 universos DMX-RDM + ART-NET + SPI + DALI / DINA DR1
7150681	2 univers DMX-RDM controller / DINA DR1 lite	Controlador 2 universos DMX-RDM / DINA DR1 lite

SPECIFICATIONS DR2 / DR2 LITE CARACTERÍSTICAS DR2 / DR2 LITE

IP20	DMX RDM	0°C +50°C	12 V DC	III	PC cover	RoHS	CE
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7150684	2 univers DMX-RDM controller / DINA DR2	Controlador 2 universos DMX-RDM / DINA DR2
7150683	1 univers DMX-RDM controller / DINA DR2 lite	Controlador 1 universos DMX-RDM / DINA DR2 lite

SPECIFICATIONS DRμ CARACTERÍSTICAS DRμ

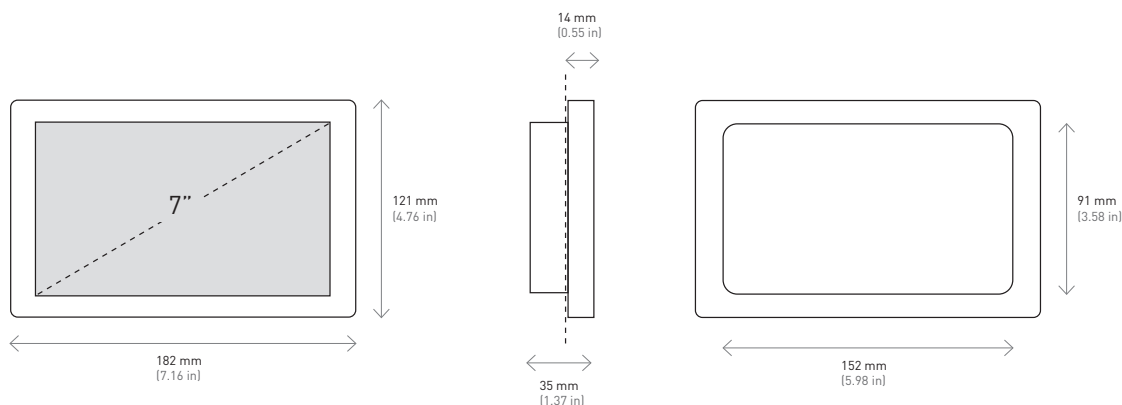
IP20	DMX	-0°C +50°C	5V DC	III	PC cover	RoHS	CE
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7150682	60 channels DMX controller / DINA DR micro	Controlador 60 canales DMX / DINA DR micro
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SPECIFICATIONS DINA TOUCH CARACTERÍSTICAS DINA TOUCH

IP20	Ethernet	Wifi [2,4GHz]	0°C +50°C	9 V DC	III	RoHS	CE
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7150686	Wall touch screen for remote control	Pantalla táctil de pared para control remoto
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LS CLOUD OPTION OPCIONES LS NUBE

7150691	UPDATE LS Cloud option - DR1 LITE + DR2 LITE ⁽⁴⁾	ACTUALIZACIÓN LS Nube opción - DR1 LITE + DR2 LITE ⁽⁴⁾
7150690	Nicolaudie Service 1 Year Essential	Servicio Nicolaudie 1 Año Essential
7150688	Nicolaudie Service 1 Year Extended	Servicio Nicolaudie 1 Año Extended
7150689	Nicolaudie Service 1 Year extra controller license	Servicio Nicolaudie 1 Año licencia controlador extra

STICK CONTROLLERS

STICK RANGE RANGO DE STICKS



	STICK-GU2	STICK-CW4	STICK-DE3
GENERAL			
Dimensions Dimensiones	86 x 86 x 11 mm	106 x 146 x 10 mm	106 x 146 x 10 mm
Weight Peso	113g	200g	250g
USB connection Conexión USB	●	●	●
Ethernet connection Conexión Ethernet	—	—	●
WIFI connection Conexión WIFI	—	●	—
DMX channels Canales DMX	128	1024	1024
Micro SD card Tarjeta Micro SD	—	—	●
RDM	—	●	●
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
Arcolis app	—	iOS/Android	iOS/Android
STANDALONE MODE MODO STANDALONE			
Number of scenes Numero de escenas	24	36	500
Number of zones Numero de zonas	1	1	10
Memory capacity (20 channels) Capacidad de memoria (20 canales)	842 steps 842 pasos	2729 steps 2729 pasos	SD card limit Límite de la tarjeta SD
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	5-12V DC	5-15V DC	5-6V DC
Power connector Conector de alimentación	Screw terminal Terminal de tornillo	Screw terminal or RJ45 Terminal de tornillo o RJ45	Screw terminal or RJ45 Terminal de tornillo o RJ45
TRIGGERING ACTIVADORES			
Live control Control en vivo	●	●	●
Touch-sensitive buttons Pulsadores táctiles	3	12 + wheel	10 + wheel
Port triggers Activadores de puerto	—	8	8
Clock/calendar triggers Despertadores de reloj / calendario	—	100 / astronomical 100 / astronómico	100 / astronomical 100 / astronómico
RS232	—	—	●
Internet Control Control por internet	—	—	●
Ethernet integration Integración Ethernet	—	—	●
DINA TOUCH	—	●	●
ACCESSORIES ACCESORIOS			
AC/DC adapter Adaptador AC / DC	Included Incluido	Included Incluido	Included Incluido
RJ45 to block board Placa RJ45 a terminal	—	Ref. 7150614	Ref. 7150614

STICK SPECIFICATIONS CARACTERÍSTICAS STICKS

SPECIFICATIONS STICK-GU2 CARACTERÍSTICAS STICK-GU2

IP20	DMX	0°C +50°C 32°F +122°F	5-12 V DC		Glass/ PC cover	RoHS	CE
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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

IP20	DMX RDM	-10°C +50°C 14°F +122°F	5-15 V DC		Glass/ PC cover	RoHS	CE
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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

IP20	DMX RDM	-10°C +50°C 14°F +122°F	5-6 V DC		Glass/ PC cover	RoHS	CE
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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		

ART-NET CONTROL

In installations where the quantity or density of luminaires requires it, we can offer an ART-NET control system from 2 to 2.048 DMX Universes, fully mounted on a RACK with all the necessary accessories included (INTEL latest generation server, ethernet switch with via fiber optics, integrated monitor and keyboard kit, UPS...) Along with the control, we also offer receivers with gateways from ART-NET to DMX or SPI, depending on the needs of the installation, these being fully configurable according to the needs of the project, fully assembled in small racks equipped with ethernet switch with fiber optic connection and UPS.

Our project department will help you with the final configuration of your system if required and will recommend the additional services recommended for the start-up and programming of your installation

En instalaciones donde la cantidad o densidad de luminarias lo requiere, podemos ofrecer un sistema de control ART-NET desde 2 hasta 2.048 Universos DMX, montado íntegramente en un RACK con todos los accesorios necesarios incluidos (Servidor de última generación INTEL, switch ethernet con conexión por fibra óptica, kit de monitor y teclado integrado, SAI...) Junto con el control, ofrecemos también los receptores con pasarelas de ART-NET a DMX o SPI, según la necesidad de la instalación, siendo estos totalmente configurables según las necesidades del proyecto, montados íntegramente en pequeños racks equipados con switch ethernet con conexión por fibra óptica y SAI.

Nuestro departamento de proyectos le ayudará con la configuración final de su sistema si es requerido y le recomendará los servicios añadidos recomendados para la puesta en marcha y programación de su instalación.



	MASTER AURA 2	MASTER AURA 8	MASTER AURA 32	RACK MASTER ART-NET	RACK SLAVE ART-NET
Reference	Ref. 7151217	Ref. 7151218	Ref. 7151219	Ref. 7151270	Ref. 7151280
Power consumption	1,5W	1,5W	1,5W	Up to 1500W	Up to 1500W
Measures	86x105x49mm	86x105x49mm	86x105x49mm	600 x1200 x 42U (2000mm)	600 x1000 x 24U (1000mm)
Weight	0,15 kg	0,15 kg	0,15 kg	Approx 110 kg	Approx 55 kg
Housing	Polycarbonate	Polycarbonate	Polycarbonate	Steel / Glass	Steel / Glass
Input voltage	24V DC	24V DC	24V DC	230V AC	230V AC
Protection class	III	III	III	I	I
Controller type	ART NET	ART NET	ART NET	ART NET	ART NET / SPI or/and DMX
DMX Output channels	1024	4096	16384	-	1.024 / 2.048 / 4.096 / 8.192 / ...
SPI Output channels	-	-	-	-	4096 / ...
Analog inputs	-	-	-	8	-
SAI 2000VA	-	-	-	Included	Included

OPCIONALS RACK MASTER ART-NET

7151201	MADRIX 5 KEY + MADRIX 5 LICENSE START 2 X 512 DMX / 64 x 64 DVI
7151202	MADRIX 5 KEY + MADRIX 5 LICENSE ENTRY 8 X 512 DMX / 128 x 128 DVI
7151203	MADRIX 5 KEY + MADRIX 5 LICENSE BASIC 32 X 512 DMX / 512 x 512 DVI
7151204	MADRIX 5 KEY + LICENSE PROFESSIONAL 128 X 512 DMX / 1024 x 1024 DVI
7151205	MADRIX 5 KEY + LICENSE ULTIMATE 512 X 512 DMX / 2048 x 1024 DVI
7151206	MADRIX 5 KEY + LICENSE MAXIMUM 2048 X 512 DMX / 2048 x 1024 DVI

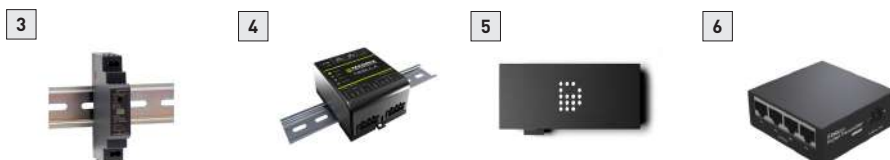
LICENSES	START	ENTRY	BASIC	PROFESSIONAL	ULTIMATE	MAXIMUM
Reference Referencia	Ref. 7151201	Ref. 7151202	Ref. 7151203	Ref. 7151204	Ref. 7151205	Ref. 7151206
GENERAL GENERAL						
DMX Channels	1.024	4.096	16.384	65.536	262.144	1.048.576
DMX Universes	2	8	32	128	512	2.048
RGB Voxels	341	1.345	5.461	21.845	87.381	349.525
DVI Voxels	4.096	16.384	262.144	1.048.576	2.097.152	2.097.152
Render Resolution	64 x 64	128 x 128	512 x 512	1.024 x 1.024	2.048 x 1.024	2.048 x 1.024
Upgradable	●	●	●	●	●	—
Validity	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

OPCIONALS RACK SLAVE ART-NET



7151215	MADRIX STELLA - 2 UNIVERS DMX/RDM IN-OUT - ARTNET	1
7151211	MADRIX LUNA 4 - 19" ART-NET NODO	2
7151212	MADRIX LUNA 8 - 19" ART-NET NODO	2
7151213	MADRIX LUNA 16 - 19" ART-NET NODO	2
3090810	POWER SUPPLY 15,2W 24V DC DIN RAIL	3

DMX CONVERTER	STELLA	LUNA 4	LUNA 8	LUNA 16
Reference Referencia	Ref. 7151215	Ref. 7151211	Ref. 7151212	Ref. 7151213
GENERAL GENERAL				
Output (channels) Salidas (canales)	1 or 2 x 512 DMX	4 x 512 DMX	8 x 512 DMX	16 x 512 DMX
Input (channels) Entrada (canales)	1 or 2 x 512 DMX	1 x 512 DMX	1 x 512 DMX	1 x 512 DMX
Ethernet connection Conexión Ethernet	2 x RJ45 100 MBit/s	1 x RJ45 100 MBit/s	1 x RJ45 100 MBit/s	1 x RJ45 100 MBit/s
USB	●	●	●	●
Art-Net	●	●	●	●
Streaming ACN	●	●	●	●
RDM Support	●	—	—	—
Standalone	—	—	—	—
Mounting	Din-Rail or Wall	19" Rack	19" Rack	19" Rack
Power Voltage	5-24 V DC	100-240 V AC	100-240 V AC	100-240 V AC
Power	1,5W	5W	5W	5W



7151214	MADRIX NEBULA - SPI CONVERSOR 8 UNIVERSOS - 2 OUTPUTS - ARTNET	4
7151001	CONTROLLER PIXEL SPI 8 UNIVERS EXTENSIBLE	5
7151002	SIGNAL EXTENDER SPI/RS485 8 UNIVERS	6
3090810	POWER SUPPLY 15,2W 24V DC DIN RAIL	3

SPI CONVERTER	NEBULA	DIGI DOT C4
Reference Referencia	Ref. 7151214	Ref. 7151001
GENERAL GENERAL		
Output (channels) Salidas (canales)	2 x 2.048 SPI	4 x 1.024 SPI
Input (channels) Entrada (canales)	—	—
Ethernet connection Conexión Ethernet	2 x RJ45 100 MBit/s	2 x RJ45 100 MBit/s
USB	●	●
Art-Net	●	●
Streaming ACN	●	●
RDM Support	—	—
Standalone	—	●
Mounting	Din-Rail or Wall	Din-Rail or Wall
Power Voltage	5-24 V DC	5-24 V DC
Power	1,5W	5W

SPLITTERS & CONVERTER

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 run distance is 100m and can reach up to 300m, using a quality cable. 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, we can set Splitters in series.

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 pudiendo llegar hasta los 300m, usando un cable de calidad. 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, podemos poner Splitters en serie.

SPECIFICATIONS ESPECIFICACIONES

IP20	-10°C +50°C 14°F +122°F	RoHS	CE
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SPLITTER DMX RDM 2 OUTPUTS		DIN RAIL SPLITTER DMX RDM 4 OUTPUTS	
Power consumption	4W	1W	
Measures	88 x 54 x 26 mm	72 x 92 x 62 mm	
Weight	0,08 kg	0,12 kg	
Housing	Polycarbonate / Policarbonato	Polycarbonate / Policarbonato	
Input voltage	12-24V DC	12-48V DC	
Protection class	III	III	
Din Rail	-	●	
Controller type	DMX RDM	DMX RDM	
DMX Output numbers	2 + 1 THRU	4 + 1 THRU	
DMX Input numbers	1	1	
Fiber Optical transmission	-	-	
Fiber Optical reception	-	-	



REFERENCES REFERENCIAS

7150133	DMX RDM 2 outputs Splitter	Splitter 2 salidas DMX RDM	1
7150134	DIN rail format DMX RDM 4 outputs Splitter	Splitter 4 salidas DMX RDM formato carril DIN	2
For installation.		Para instalación.	
M030224	BELDEN 3105A cable	Cable BELDEN 3105A	
3090810	Power supply 15,2W 24V DC DIN Rail	Fuente de alimentación 15,2W 24V DC carril DIN	3

BUS SIGNAL CONVERTER PASARELAS DE SEÑAL



7150644	Bus signal converter DALI to DMX 64 channels	Pasarela de DALI a DMX 64 canales	1
3090810	Power supply 15,2W 24V DC DIN Rail	Fuente de alimentación 15,2W 24V DC carril DIN	4
7150645	Bus signal converter DMX to DALI 64 channels	Pasarela de DMX a DALI 64 canales	2
7150646	DALI power supply for bus converter	Fuente alimentación para pasarela DALI	3
3090810	Power supply 15,2W 24V DC DIN Rail	Fuente de alimentación 15,2W 24V DC carril DIN	4

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 or 4 outputs (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 autoextingible libre de halógenos, una fuente de alimentación multi-voltaje, un splitter de 6 salidas o 4 salidas (según modelo).

SPECIFICATIONS ESPECIFICACIONES

IP55

-10°C
+50°C

14°F
+122°F

85-264V
AC



RoHS

CE

DATA BOX SPLITTER DMX RDM	
Power consumption	10W
Measures	200 x 254 x 167,5 mm
Weight	1,2 kg
Housing	Halogen free flame retardant technopolymer Tecnopolímero autoextingible 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

3091214	Data Box - 4 outputs Splitter DMX-RDM	Data Box - Splitter 4 salidas DMX-RDM
---------	---------------------------------------	---------------------------------------

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	Embellecedor 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).	

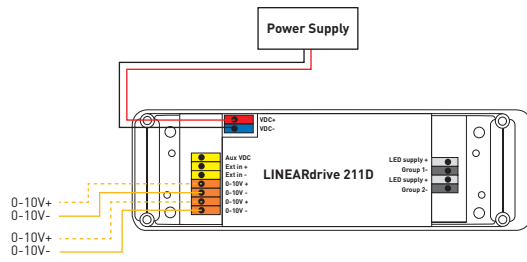
SPECIFICATIONS ESPECIFICACIONES



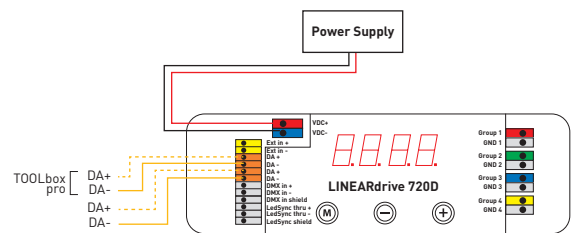
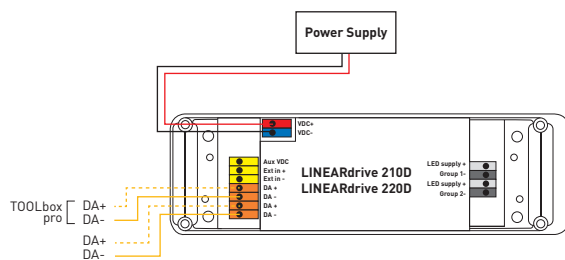
	1 CHANNEL			2 CHANNELS		3/4 CHANNELS	
	LINEARdrive 212D	LINEARdrive 211D	LINEARdrive 210D	LINEARdrive 222D	LINEARdrive 220D	LINEARdrive 180D	LINEARdrive 720D
Power consumption	Max. 200W	Max. 200W	Max. 200W	Max. 200W	Max. 200W	Max. 144W	Max. 330W
Measures	153 x 50 x 23 mm	153 x 50 x 23 mm	153 x 50 x 23 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® / LedFloodStrip® (monocolor) / Slim Ground Liner® / Ground Liner® (monocolor) / Step & Aisles profiles.

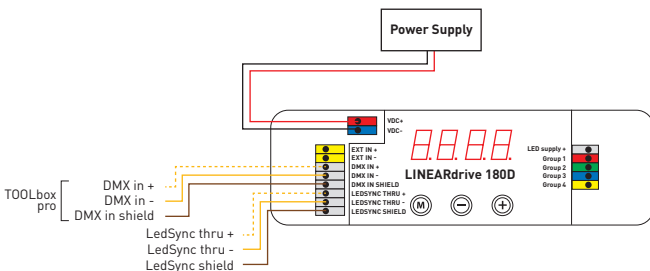
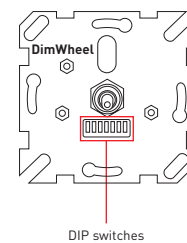
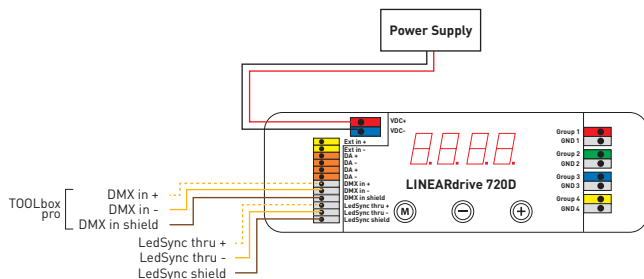
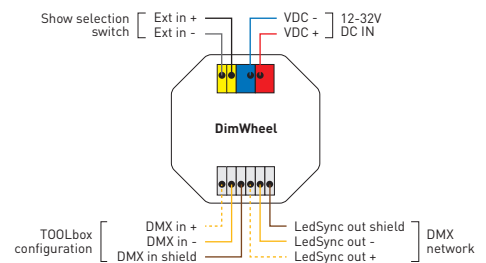
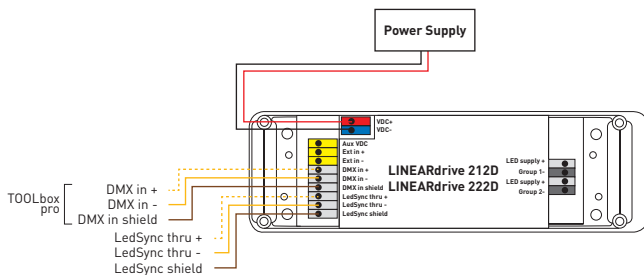
1 CHANNEL 1-10V CONNECTIONS CONEXIONES 1 CANAL 1-10V



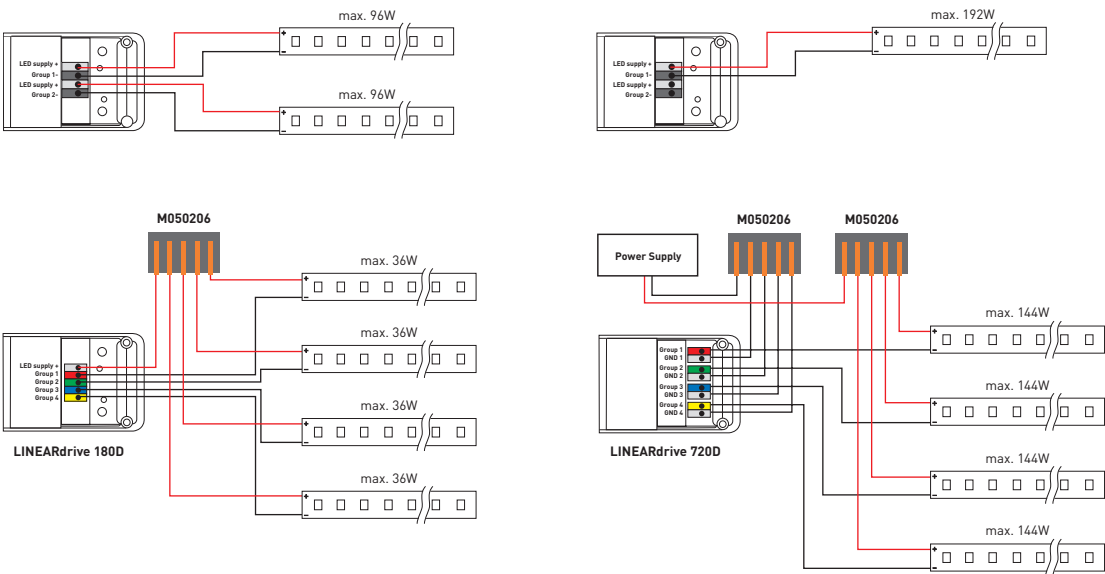
DALI CONNECTIONS CONEXIONES DALI



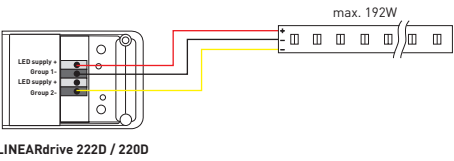
DMX CONNECTIONS CONEXIONES DMX



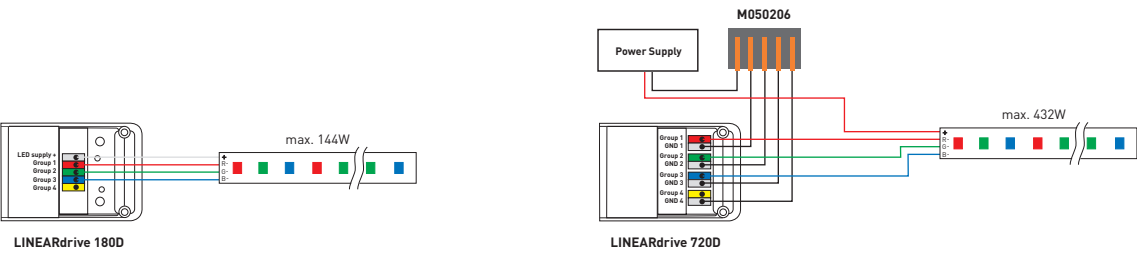
MONOCOLOR CONNECTIONS
CONEXIONES MONOCOLOR



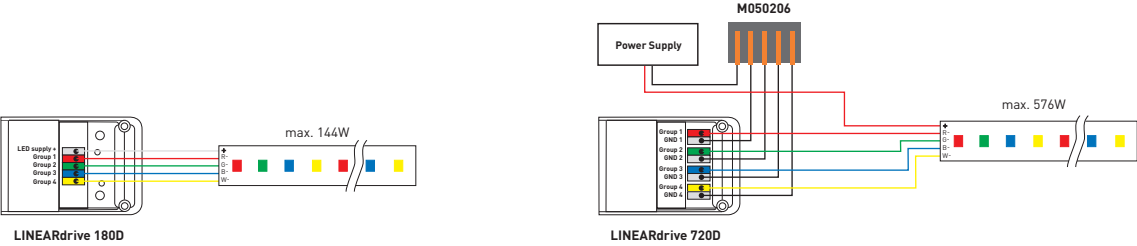
DYNAMIC WHITE CONNECTIONS
CONEXIONES BLANCO DINÁMICO



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

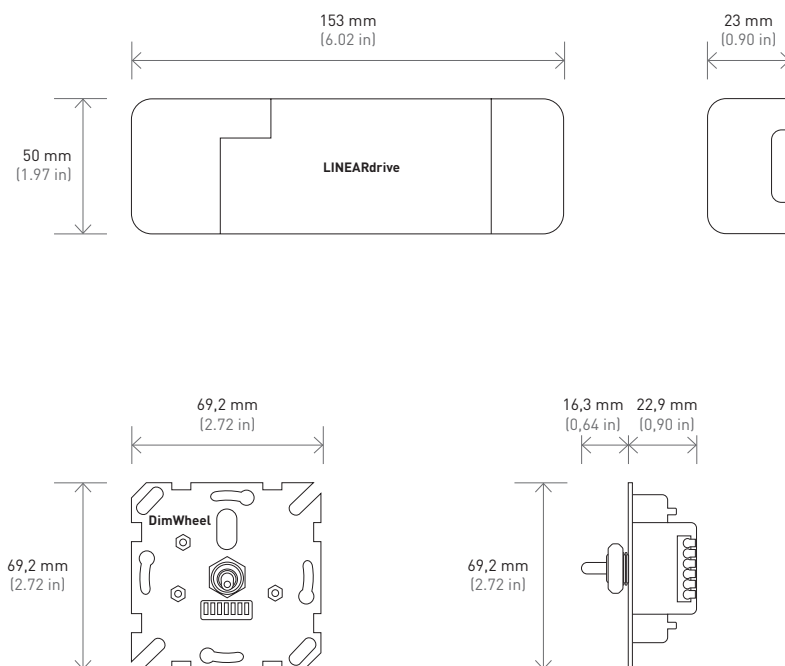
—	DMX in +	DMX / LedSync
—	DMX in -	
—	DMX in shield	
—	DA +	DALI
—	DA -	
—	LEDcode +	LEDcode
—	LEDcode -	
—	Not used	



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	

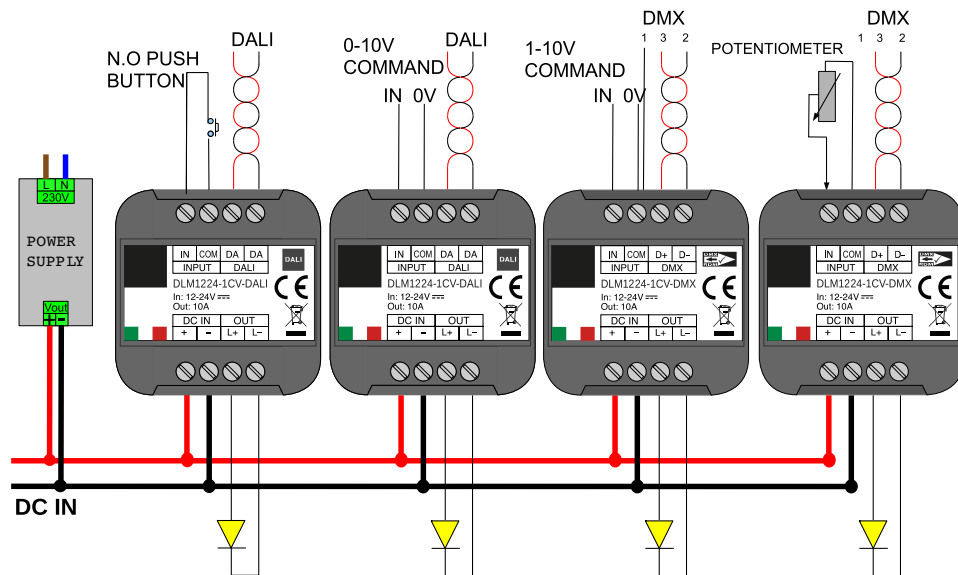
SPECIFICATIONS ESPECIFICACIONES



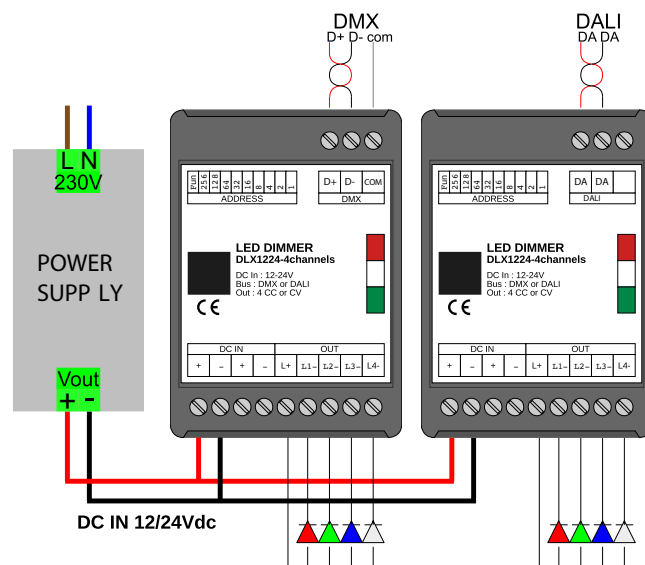
	1 CHANNEL IP20			4 CHANNELS IP20	
	7150660	7150661	7150662	7150663	7150664
Power consumption	Max. 240W	Max. 240W	Max. 240W	Max. 240W	Max. 240W
Measures	44 x 57 x 19 mm	44 x 57 x 19 mm	44 x 57 x 19 mm	88 x 54 x 26 mm	88 x 54 x 26 mm
Weight	0,037 kg	0,037 kg	0,037 kg	0,074kg	0,074kg
Controller type	DMX RDM	DALI	0-10V	DMX RDM	DALI

Compatible Products with LED Dimmer:
Productos compatibles con LED Dimmer:
Linear Flex® / SmartLedFlex® / LedFloodStrip® (monocolor) / Slim Ground Liner® / Ground Liner® (monocolor) / 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

1



2



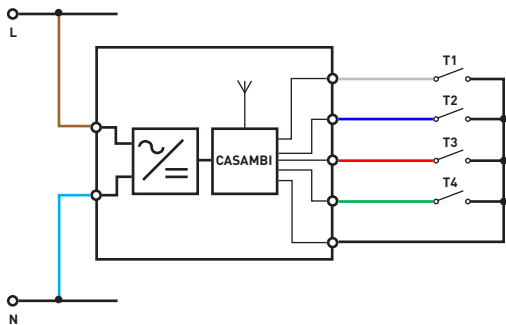
3



4



7150901/C02	Xpress white	Xpress blanco	1
7150901/C13	Xpress black	Xpress negro	2
7150916	Bluetooth double flat push switch	Doble pulsador plano Bluetooth	3
7150944	4 push button inputs to bluetooth in junctionbox shape	Pastilla para 4 pulsadores Bluetooth	4



4 push button inputs to bluetooth in junctionbox shape connections
Conexiones pastilla para 4 pulsadores Bluetooth

ON-OFF CONTROL

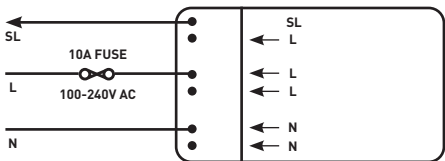
5



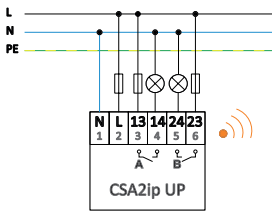
6



7150915	Bluetooth Relay 1NA 10A	Relé Bluetooth 1NA 10A	5
7150919	Bluetooth Relay 2NA 16A	Relé Bluetooth 2NA 16A	6



Bluetooth Relay 1NA 10A connections
Conexiones relé Bluetooth 1NA 10A



Bluetooth Relay 2NA 16A connections
Conexiones relé Bluetooth 2NA 16A

Dispositivos BLUETOOTH para el control de las luminarias

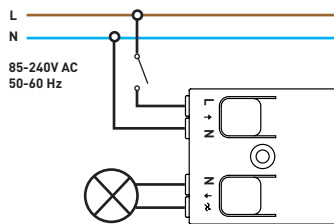
DIMMER TRAILING EDGE

7

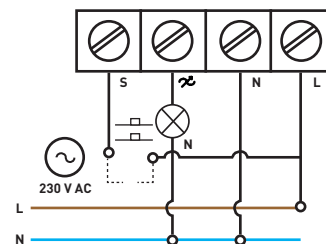
8



7150907	Bluetooth trailing edge dimmer 150W	Regulador trailing edge de control inalámbrico Bluetooth 150W	7
7150920	Bluetooth trailing edge dimmer & PUSH 200W	Regulador trailing edge de control inalámbrico Bluetooth y PUSH 200W	8



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

9

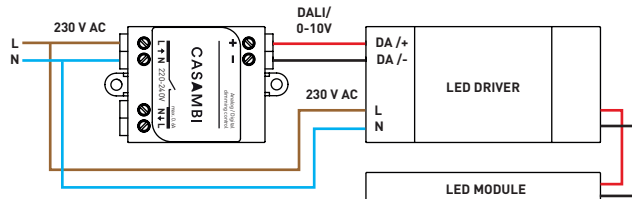
10

11



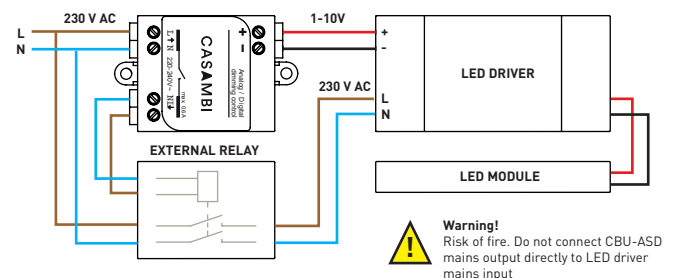
7150949	Bluetooth device for 1 lighting control gear	Dispositivo Bluetooth para 1 equipo auxiliares de iluminación	9
7150921	Broadcast 0-10V dimmer	Regulador Broadcast 0-10V	10
7150922	DALI dimmer 50 devices up to 8 channels	Dimmer DALI 50 equipos hasta 8 canales	11

Wiring diagram, directly powered DALI or 0-10V drivers
Suitable for drivers that can be switched off via control interface



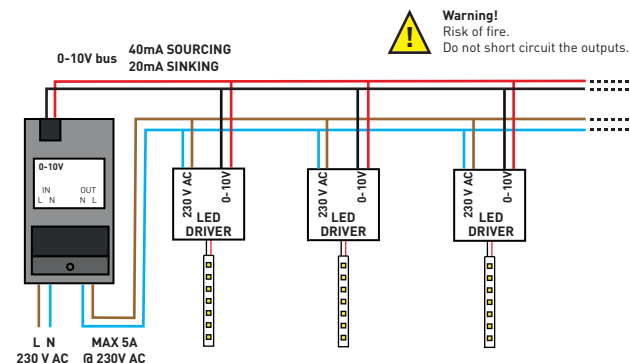
Bluetooth device for 1 lighting control gear connections
Conexiones dispositivo Bluetooth para 1 equipo auxiliares de iluminación

Wiring diagram, 1-10V drivers powered through external relay
Suitable for drivers that cannot be switched off via control interface

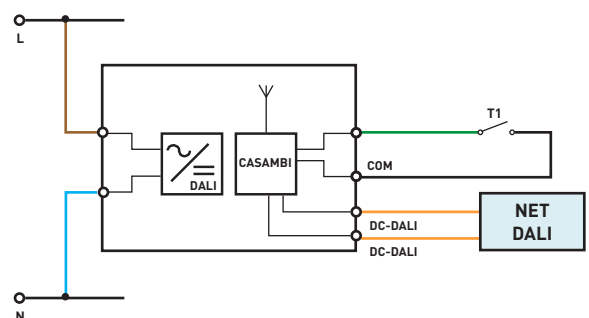


Warning!
Risk of fire. Do not connect CBU-ASD mains output directly to LED driver mains input

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

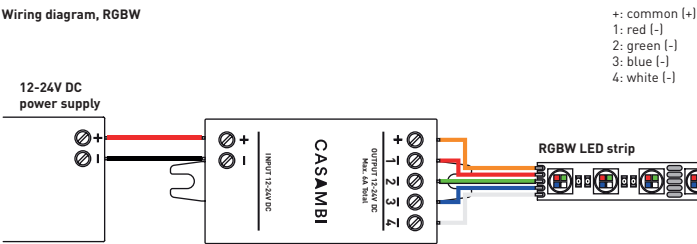
BLUETOOTH devices
to control your luminaires

DIMMER PWM



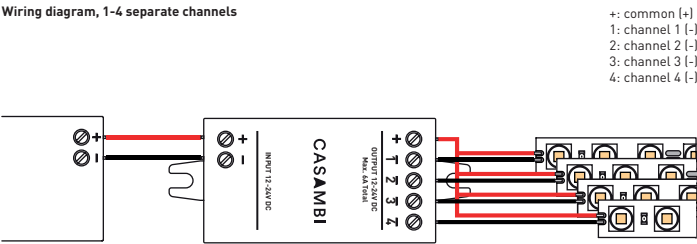
7150906	Bluetooth controllable 4 channels PWM dimmer	Regulador PWM de 4 canales controlable por Bluetooth	12
7150945	1 channel LED Dimmer 288W 12-48V DC Bluetooth	Dimmer LED 1 canal 288W 12-48V DC Bluetooth	13
7150924	4 channels LED Dimmer 240W 12-24V DC Bluetooth	Dimmer LED 4 canales 240W 12-24V DC Bluetooth	14
7150947	5 channels LED Dimmer 120W 12-48V DC Bluetooth	Dimmer LED 5 canales 120W 12-48V DC Bluetooth	15
7150946	2 channels LED Dimmer 120W 12-48V DC Bluetooth	Dimmer LED 2 canales 120W 12-48V DC Bluetooth	16

Wiring diagram, RGBW



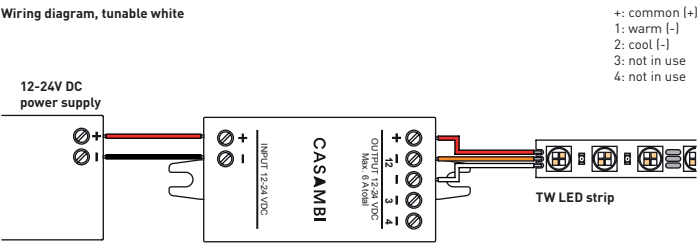
- +: common (+)
- 1: red (-)
- 2: green (-)
- 3: blue (-)
- 4: white (-)

Wiring diagram, 1-4 separate channels

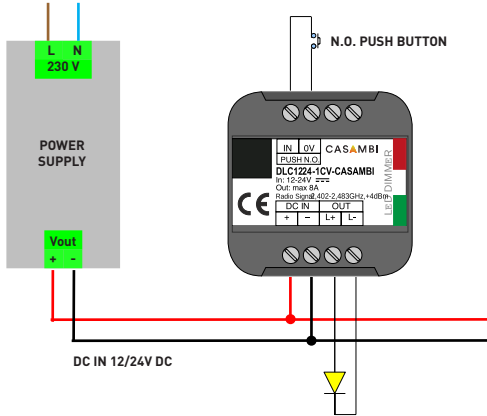


- +: common (+)
- 1: channel 1 (-)
- 2: channel 2 (-)
- 3: channel 3 (-)
- 4: channel 4 (-)

Wiring diagram, tunable white

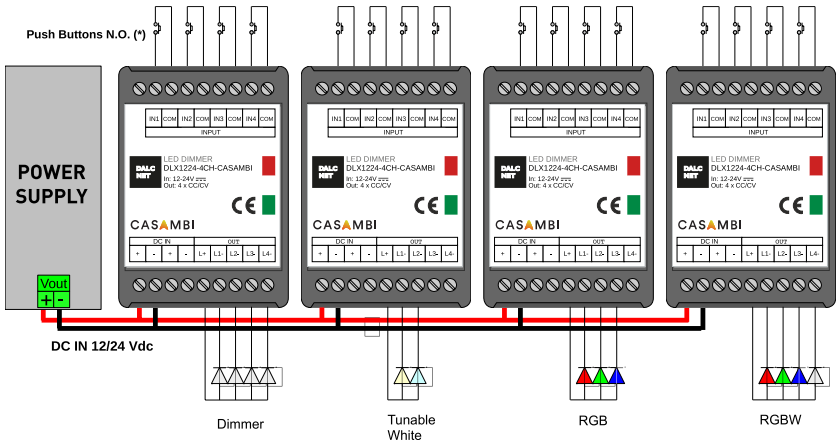


- +: common (+)
- 1: warm (-)
- 2: cool (-)
- 3: not in use
- 4: not in use



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

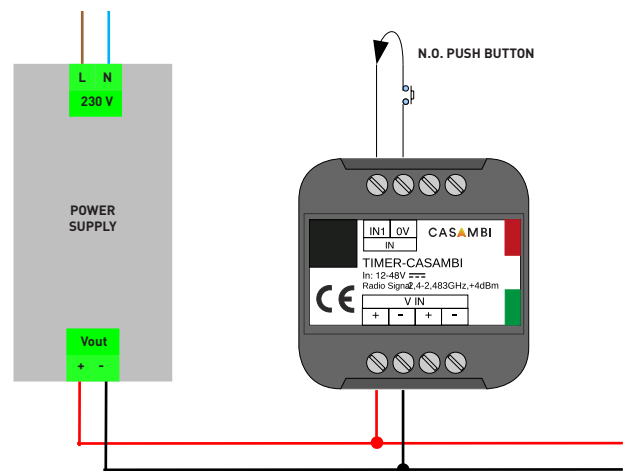
Dispositivos BLUETOOTH para el control de las luminarias

CONTROLLER & SENSORS

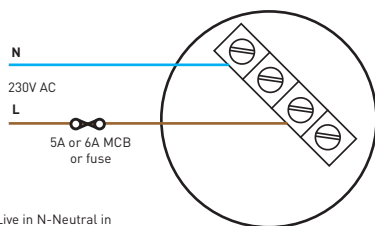
17		18		19		20		21		22	
7150925	Android Gateway central					Central Gateway Android					17
7150926	DMX 8 channels Bluetooth converter					Convertidor Bluetooth DMX 8 canales					18
7150913	Bluetooth timing control					Temporizador Bluetooth					19
7150927	Recessed Bluetooth light and motion sensor					Sensor de presencia y/o luminosidad Bluetooth de empotrar					20
7150928	Surface Bluetooth light and motion sensor					Sensor de presencia y/o luminosidad Bluetooth de superficie					21
7150948	IP66 Surface Bluetooth light and motion sensor					Sensor de presencia y/o luminosidad Bluetooth de superficie IP66					22



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

IP20

24 V DC

RoHS

SELV

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

IP67

24 V DC

Anodized AL cover

RoHS

SELV

CB

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	246 x 77 x 39,5 mm	1,45 kg	100-305V AC / 142-431V DC	PF >0,98 / 230V AC	-40° C to +85° C	93%

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
3090580	IP67 Power supply 320W 24V DC	Fuente alimentación 320W 24V DC IP67



IP67 POWER SUPPLY ACCESSORIES ACCESORIOS FUENTE ALIMENTACIÓN IP67



M030243	IP68 "I" connection Ø6-13,5mm Tee Tube (3 poles)	Conexión "I" Ø6-13,5mm 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	IP20 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



IP20 & IP66 DALI & PUSH POWER SUPPLIES FUENTE ALIMENTACIÓN IP20 & IP66 DALI & PUSH



SPECIFICATIONS	Power consumption	Measures	Weight	Input voltage	Power factor	Temperature range	Efficiency
100W 24V DC	100W	231 x 78 x 25 mm	0,83 kg	100-277V AC	PF >0,95 / 240V AC	-40° C to +70° C	89%
150W 24V DC	150W	245 x 70 x 43 mm	1,4 kg	100-277V AC	PF >0,95 / 240V AC	-40° C to +80° C	88%
300W 24V DC	300W	301 x 78 x 25 mm	1,15 kg	100-277V AC	PF >0,95 / 240V AC	-40° C to +80° C	91%

3090577	IP66 Power supply 100W 24V DC DALI & PUSH	Fuente alimentación 100W 24V DC DALI & PUSH
3090569	IP66 Power supply 150W 24V DC DALI & PUSH	Fuente alimentación 150W 24V DC DALI & PUSH
3090579	IP66 Power supply 300W 24V DC DALI & PUSH	Fuente alimentación 300W 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
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%
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%

7150950	IP67 Power supply 60W 24V DC V Bluetooth	Fuente alimentación 60W 24V DC Bluetooth
7150929	IP67 Power supply 120W 24V DC V Bluetooth	Fuente alimentación 120W 24V DC Bluetooth



Note:

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HEADQUARTERS

MORE COOL ILUMINATIONS, 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

SAUDI ARABIA

Al Bait Building n° 3, 2nd Floor, Office n° 13
Salah Al-Din Al-Ayoubi Road,
Near Wooden Bakery, Riyadh
Mundocolor Limited

T. +966 503 28 0670

M. saudi@grupo-mci.com

LATAM

Lima · Perú

T. (+51) 915 335 989

M. latam@grupo-mci.com

mcilight.com