



COBB FIBRE OTTICHE

FIBER OPTIC PRODUCT CATALOGUE

CATALOGUE
2026



THE STORY OF A PASSION THAT HAS
ILLUMI- NATED OUR HISTORY FOR 30 YEARS.





Cobb Fiber Optics is a company that manufactures fiber optic lighting systems and LED lighting systems for various applications. With our thirty years of experience in the lighting industry, we position ourselves as leaders in the production of fiber optic lighting systems. We can fulfill orders throughout Italy, Europe, and the entire world.

Our collaboration with qualified designers and experienced professionals is a source of pride and excellence, enabling us to handle all stages of the project. Our process begins with the design and extends to the final installation of the lighting system.



**WE ARE MANUFACTURERS OF
FIBER OPTIC AND LED
LIGHTING SYSTEMS**



FIBER OPTICS STARRY SKIES

We specialize in the production of fiber optics starry skies.

Are you looking for an innovative design solution? A starry sky with fiber optics is your solution!

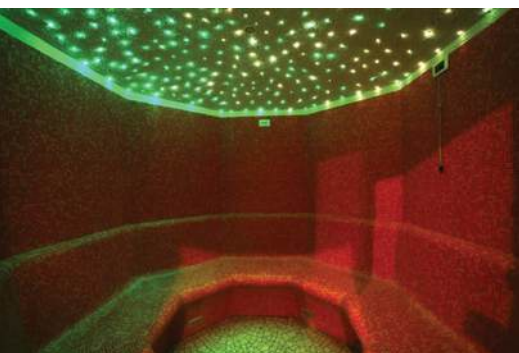
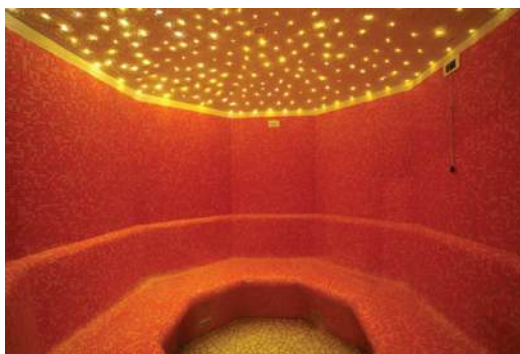
Are you looking for an innovative lighting design solution? A fiber optic star ceiling is the perfect choice!

COBB's fiber optic kits are ideal for creating stunning starry sky effects on your ceiling, whether in a small bedroom or a large commercial space. They are easy to install on plasterboard ceilings, tiles, curtains, headboards, and many other surfaces, always delivering spectacular results.

Transform your bathroom into a relaxing sanctuary by adding color to the water with chromotherapy lighting, designed to promote well-being and enhance your mood.

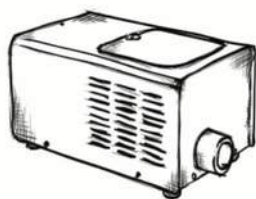
Before going to bed, unwind by immersing yourself in a soothing purple light that encourages restful sleep. In the morning, start your day feeling refreshed with the energizing warmth of orange light.

Alternatively, you can program a slow, continuous cycle of color transitions featuring all your favorite shades, creating a unique and immersive atmosphere.



THE ELEMENTS OF THE SYSTEM





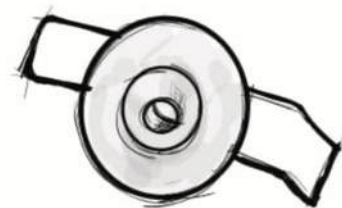
Light Sources for Fiber Optics

The light source features a durable metal housing that contains the following components, depending on the model: a metal halide lamp, halogen lamp, or LED light source; a UV and IR filter; a low-noise cooling fan; a power supply; and an electronic control gear for metal halide versions.



Fiber Optics Bundles

A fiber optic bundle consists of a common end, which is connected to the light source, from which a number of fiber optic tails branch off. The number and length of the tails can be customized to suit the application. The shorter the tails, the greater the light intensity and the better the color rendering. Each coated fiber optic tail is finished with a mechanical end fitting and precision optical polishing to maximize light transmission and enhance the quality of the light output.



Fiber Optics Accessories

Fiber optic accessories are primarily designed to secure the ends of the fiber optic tails to a wide variety of structures and surfaces, such as ceilings, walls, columns, and other architectural elements. They can also be used to create decorative and scenic lighting effects or to focus and direct light onto specific objects or areas. This range includes both adjustable and fixed mounting supports, as well as other accessories for different installation requirements.



COBB
FIBRE OTTICHE



**WE ARE MANUFACTURERS
OF FIBER OPTIC LIGHTING SYSTEMS**

2A.
CONNETTORE COMUNE
COMMONEND

2B.
FIBRA OTTICA
FIBER OPTIC

2C.
TERMINALE
FERRULE

Fascio a fibre ottiche in vetro - illuminatore serie VR
Glassfibreopticsbundle - VRlightsourceseries

Connettore comune (cod. CM-VR)
Commonend(cod. CM-VR)



6

Coda fibre ottiche vetro SIZE-1 Glassfibreoptictail SIZE-1	Rivetto lucidatura piana LPV/1 Flat polished rivet LPV/1 Rivetto finitura a goccia LGV/1 Drop finish rivet LGV/1	
Coda fibre ottiche vetro SIZE-4 Glassfibreoptictail SIZE-4	Rivetto lucidatura piana LPV/4 Flat polished rivet LPV/4 Rivetto finitura a goccia LGV/4 Drop finish rivet LGV/4	
Coda fibre ottiche vetro SIZE-7 Glassfibreoptictail SIZE-7	Rivetto lucidatura piana LPV/7 Flat polished rivet LPV/7 Rivetto finitura a goccia LGV/7 Drop finish rivet LGV/7	
Coda fibre ottiche vetro SIZE-12 Glassfibreoptictail SIZE-12	Rivetto lucidatura piana LPV/12 Flat polished rivet LPV/12 Rivetto finitura a goccia LGV/12 Drop finish rivet LGV/12	
Coda fibre ottiche vetro SIZE-24 Glassfibreoptictail SIZE-24	Terminale tornito TPV/12 Turned ferrule TPV/12 Terminale tornito TPV/24 Turned ferrule TPV/24	

267

Fascio a fibre ottiche sintetiche "rivestite PR" - illuminatore serie SN
"PRcoated"syntheticfibreopticsbundle - SNlightsourceseries

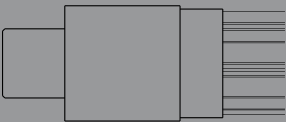
Connettore comune (cod. CM-SN)
Commonend(cod. CM-SN)



Coda fibre ottiche sintetiche PR10 Synthetic fibre optics tail PR10	Rivetto lucidatura piana LPS/10 Flatpolished rivet LPS/10	
Coda fibre ottiche sintetiche PR15 Synthetic fibre optics tail PR15	Rivetto lucidatura piana LPS/15 Flatpolished rivet LPS/15	
Coda fibre ottiche sintetiche PR20 Synthetic fibre optics tail PR20	Rivetto lucidatura piana LPS/20 Flatpolished rivet LPS/20	
Coda fibre ottiche sintetiche PR33 Synthetic fibre optics tail PR33	Rivetto lucidatura piana LPS/33 Flatpolished rivet LPS/33	
Coda fibre ottiche sintetiche PR45 Synthetic fibre optics tail PR45	Terminale tornito TPS/45 Turned ferrule TPS/45	
Coda fibre ottiche sintetiche PR60 Synthetic fibre optics tail PR60	Terminale tornito TPV/60 Turned ferrule TPV/60	

Fascio a fibre ottiche sintetiche "non rivestite FB" - illuminatore serie SN
Syntheticfibreopticsbundle - SNlightsourceseries

Connettore comune (cod. CM-SN)
Commonend(cod. CM-SN)



Coda fibre ottiche sintetiche FB750 Synthetic fibre optics tail FB750	Non richiedono terminali o accessori Not rivets/ferrules required
Coda fibre ottiche sintetiche FB1000 Synthetic fibre optics tail FB1000	
Coda fibre ottiche sintetiche FB1500 Synthetic fibre optics tail FB1500	
Coda fibre ottiche sintetiche FB2000 Synthetic fibre optics tail FB2000	
Coda fibre ottiche sintetiche FB3000 Synthetic fibre optics tail FB3000	
Coda fibre ottiche sintetiche FB3000 Synthetic fibre optics tail FB3000	



**30 YEARS OF EXPERIENCE
IN THE FIELD OF OPTICAL FIBERS**



HOW TO DESIGN?

SCENOGRAPHIC LIGHTING

The scenographic lighting is aimed at creating light effects as “Starry Sky”, environmental decorations or furnishing accessories.

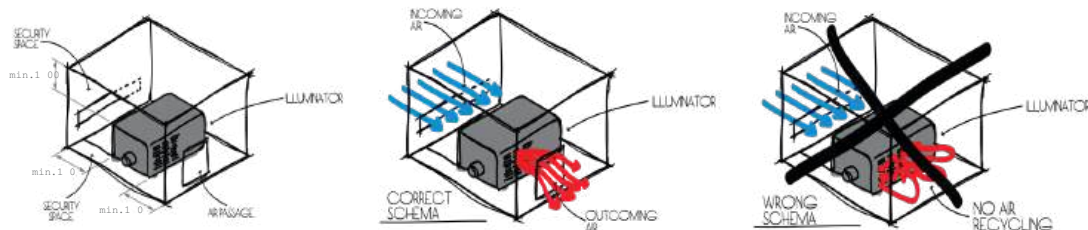
The used light sources may be indifferently with LED source, halogen or metal halide lamp. The metal halide light sources are particularly suitable to be used with side emission fibers, called “FEL”. The bundles of fiber optics, glass or synthetic ones, will be composed of many tails with small-medium diameter, in order to facilitate the lighting effect, the distribution of the very same tails, without overlooking the inexpensiveness of the system. The single tails may have different ends- drop finished (to enlarge the visual light effect), flat finish (for concentrating the light) or it can be enriched with special accessories to enhance the performance. If the meaning is to obtain lines of light to highlight contours, paths or outlines, the fiber optics called FEL is the best one to be used. To create curtains of light, festoons or other decorative effects the ideal is the use of side-glow fiber optics, in glass or synthetic.

MUSEUM AND EXHIBITION LIGHTING

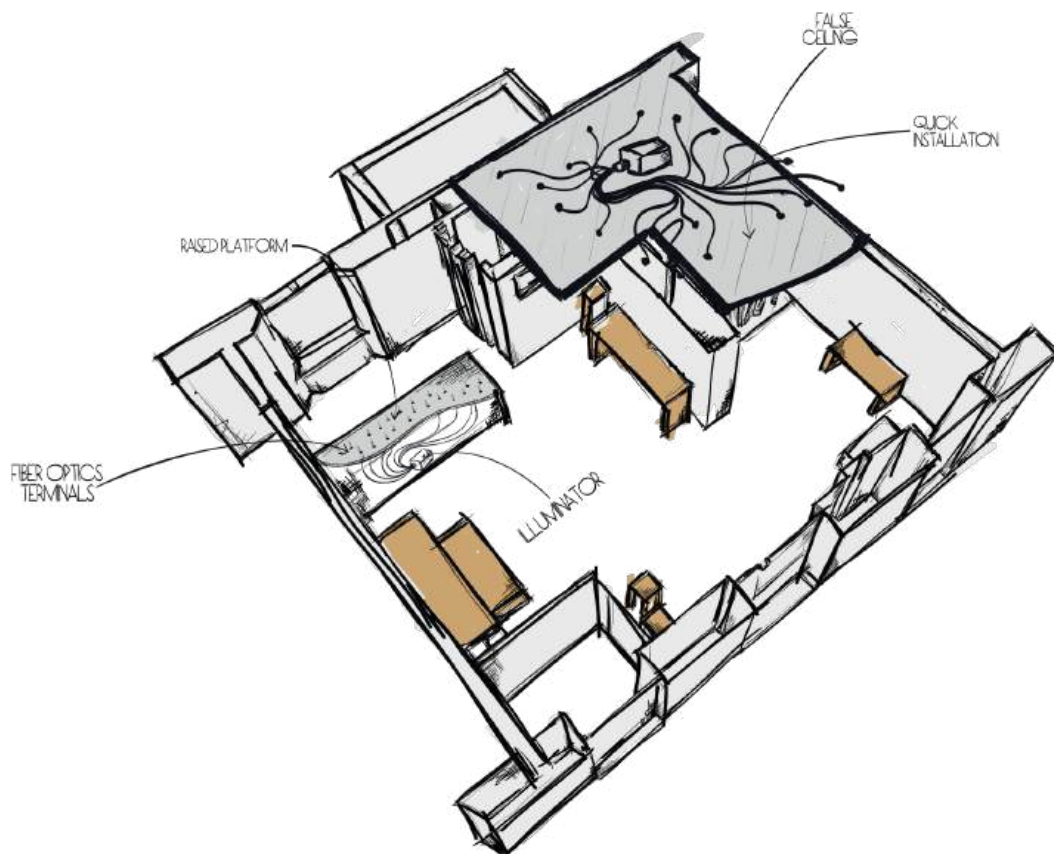
Museum and exhibition lighting requires a careful analysis of the desired light intensity, expressed in lux, in order to be able to size the fiber optic system on the required parameters. The illuminators generally used are those with halogen or metal halide lamps, with a low-noise cooling system. For these applications, the use of glass optical fiber is recommended, with bundles possibly made up of tails of the same optical diameter. To better manage and optimize the light, we resort to the use of optical and mechanical accessories, such as our fixed and adjustable supports, concentrators, shapers and focusers, the latter having the function of restricting the normal opening angle of the light (60°). of optical fibers.



HOW TO INSTALL?



The installation of the fiber optic lighting system will be much easier as more accurate was the planning. It is worth mentioning that the fiber optics, being only a conductor of light, can be handled safely with the illuminator on. The end of the single tail then, will be easily inserted into the holes previously prepared or fixed to the necessary supports. Great care and attention must be given to the positioning of the illuminator which should be placed in a ventilated area as possible and easily accessible: an illuminator misplaced is subjected to frequent breakdowns. The LED light sources will require much smaller installation spaces. Please note that the halogen and metal halide lights bulb's life, as well as for the other components of the illuminator, fan and transformer, decreases with the increase of temperature. Cobb Fibre Ottiche is at customer's disposal to develop situations, 271 responding to requests, provide information and assistance on the systems of its production. The LED light sources will require much smaller installation spaces. Please note that the halogen and metal halide lights bulb's life, as well as for





NICE303
LED Controlgear
11/2016 Series Connection
1-3LED 700mA
PRI: 100-240V~ 50-60Hz 0.14 A
SEC: 0.7A 12Vdc max. 1840mA
SEI
2.5 2.5 2.5
PRI 100-240V~ SEC

FIBER OPTICS

GLASS FIBER OPTICS WITH SHEATH

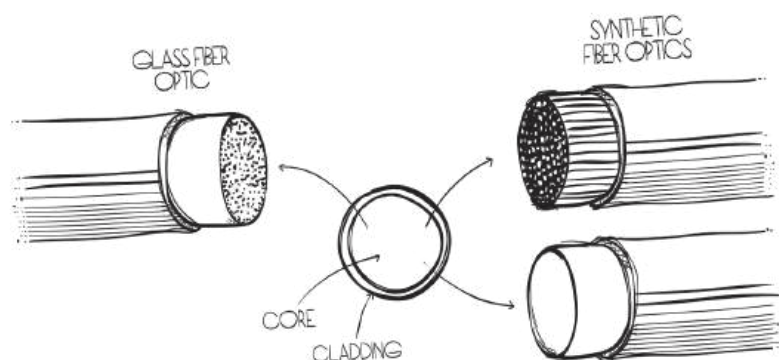
Glass fiber optics are supplied with a self-extinguish sheath in Megolon. The used glass fiber optics are of the best quality, ensuring unlimited duration, exceptional intrinsic attenuation of less than 150 dB/km and excellent linearity transmission throughout the visible spectrum. The fiber optic cables (also referred to as tails) commonly used for lighting have diameters (SIZE) varies from 1.3mm to 6mm. We recommend, when using glass fiber optics, not to exceed the length of 10-12 meters of the individual tail. The glass fiber optics are particularly suitable in lighting museums and exhibition, namely in all contexts that are designed with a long-term perspective, due to the importance of the exhibits, or to particular technical and logistical conditions in which they are installed.

SYNTHETIC FIBER OPTICS WITH SHEATH

The synthetic fiber optics (coded PR) in PMMA (polymethylmethacrylate) are slightly less flexible than glass ones, due to the larger diameter and higher rigidity of the single fiberoptic. The sheath is made of self-extinguishing and flame retardant materials. The synthetic fiber optics have excellent color rendition even on medium-long distances, up to 20-25 meters. In various applications, mainly those related to the scenographic and decorative lighting effects, this fiber optics are a viable alternative to glass ones. As for the glass fiber optics, the synthetic ones are also available with diameters ranging from 1 mm to 6 mm.

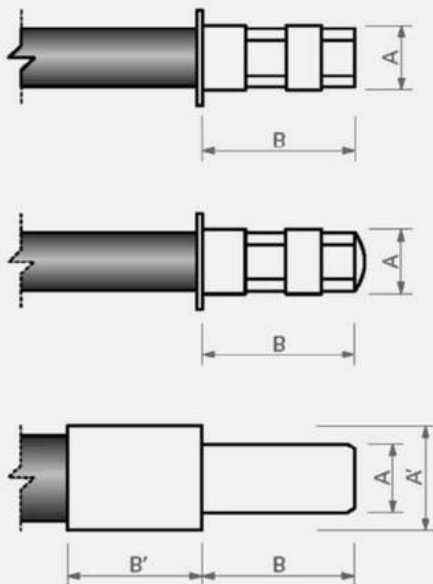
SYNTHETIC UNSHEATHED FIBER OPTICS

The synthetic fiber optics without sheath are available only as monofibers with a minimum diameter of 0.25 mm up to a maximum of 3 mm (see fibers with code FB). Those are mainly used in the production of "Starry Sky", scenic effects for television, festive decorations, advertising signs, shop window dressing, curtains, fabrics, etc. The light side luminescence has determined, in particular applications and environmental conditions, great outstanding effects. The synthetic fibers are without terminals and are easily compactable, even by those without any technical knowledge of the product. We recommend the use of synthetic fiber optics with the specific light sources of our production, specifically calibrated in our laboratory, in order to obtain the maximum performance. COBB Fibre Ottiche, in addition to making bundles according to customer specifications, it also provides FB fiber type in whole spools.





Glass Fibre Optics



Fibre code	Optic Ø	Sheath Ø	Minimum bend radius
LKS 3/4 (SIZE 3/4)	1,0mm	2,2mm	5mm
LKS 1,3 (SIZE 1)	1,3mm	2,2mm	8mm
LKS 3 (SIZE 3)	2,0mm	3,85mm	15mm
LKS 8 (SIZE 8)	3,0mm	4,85mm	20mm
LKS 9 (SIZE 9)	3,3mm	4,85mm	20mm
LKS 14 (SIZE 14)	4,0mm	6,35mm	25mm
LKS 18 (SIZE 18)	4,5mm	7,4mm	40mm
LKS 24 (SIZE 24)	6,0mm	8,7mm	50mm

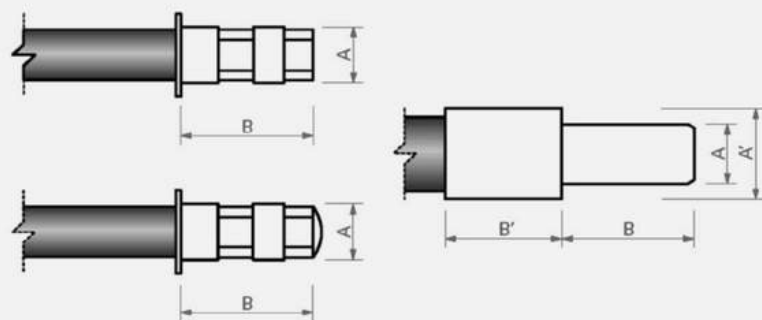
BUNDLES AND HARNESSES SPECIFICATION

Glass fibre optics diameters vary between 50 to 70 microns, and are collected in bundles in order to provide a range of different optical diameters, which are protected by megolon or selfextinguishing PVC jackets.

Glass Fibre Optics

MAX TAILS NUMBER PER BUNDLE

Each bundle can be composed by 400 sizes: Size 1 (400 tails), Size 3 (133 tails), Size 9 (44 tails), Size 18 (22 code), Size 24 (16 tails). Therefore it is possible to use 100 tails of Size 3 and 5 tails of Size 18 = 390 size. Various combinations of tails can be calculated to provide a maximum size of 400. Examples Bundle made of Nr. 53 tails Size 3 and Nr. 10 tails Size 24 Possible [(53 tails x Size 3 = 159 Size) + (10 tails x Size 24 = 240 Size)] = 159 size + 240 size = 399 size < 400 size

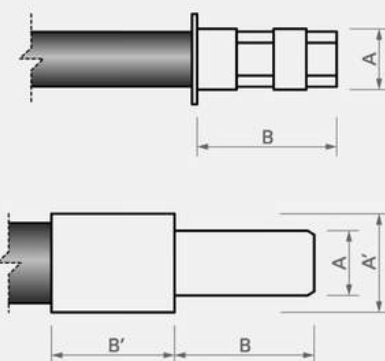


Fibre code	Optic Ø	Sheath Ø	Minimum bend radius	Ferrules		Ferrule dimensions			
				Code	Description	A	B	A'	B'
SIZE 3/4	1,0mm	2,2mm	5mm	LPV/1	Flat polished rivet	3,0	1,3	-	-
				LGV/1	Teardrop finish rivet	3,0	1,3	-	-
SIZE 1	1,3mm	2,2mm	8mm	LPV/1	Flat polished rivet	3,0mm	13mm	-	-
				LGV/1	Teardrop finish rivet	3,0mm	13mm	-	-
SIZE 3	2,0mm	3,85mm	15mm	LPV/3	Flat polished rivet	5,5mm	13mm	-	-
				LPG/3	Teardrop finish rivet	5,5mm	13mm	-	-
SIZE 8	3,0mm	4,85mm	20mm	LPV/8	Flat polished rivet	5,5mm	13mm	-	-
				LGV/8	Teardrop finish rivet	5,5mm	13mm	-	-
SIZE 9	3,3mm	4,85mm	20mm	LPV/9	Flat polished rivet	5,5mm	13mm	-	-
				LGV/9	Teardrop finish rivet	5,5mm	13mm	-	-
SIZE 14	4,0mm	6,35mm	25mm	LPV/14	Rivetto con lucidatura piana	7,5mm	18mm	-	-
				TPV/14	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm
SIZE 18	4,5mm	7,4mm	40mm	TPV/12	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm
SIZE 24	6,0mm	8,7mm	50mm	TPV/24	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm

Bundles and ferrules specification

BUNDLES AND FERRULES SPECIFICATION

PMMA synthetic optical fibres, also known as Polymethylmethacrylate, are available as single coated fibers with diameters between 0.75 and 3 mm, specifically 0.75 - 1 - 1.5 - 2 - 3 mm. To obtain larger diameters, the optical fibers are assembled into thinner bundles, with diameters of 0.75 mm or 1 mm. These fibers are covered with protective sheaths in self-extinguishing PVC or polyethylene.



Fibre code	Optic Ø	Sheath Ø	Minimum bend radius	Ferrules		Ferrules dimensions			
				Code	Description	A	B	A'	B'
PR10	1,00mm	2,2mm	10mm	LPS/10	Flat polished rivet	3,0mm	13mm	-	-
PR15	1,5mm	2,7mm	15mm	LPS/15	Flat polished rivet	3,5mm	13mm	-	-
PR20	2,00mm	2,7mm	20mm	LPS/20	Flat polished rivet	3,5mm	13mm	-	-
PR33	3,3mm	4,8mm	30mm	LPS/33	Flat polished rivet	5,5mm	13mm	LPS/33	-
PR45	4,5mm	7,0mm	45mm	TPS/45	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm
PR60	6,00mm	8,5mm	60mm	TPS/60	Flat polished brass ferrule	7,9mm	17mm	12mm	15mm
PR80	8,00mm	10,7mm	90mm	TPS/80	Flat polished brass ferrule	10mm	17mm	14mm	15mm

Unsheathed synthetic fibre optics

Fibre code	Diameter	Reel Length	Bend Radius
FB250	0,25mm	12.000m	5mm
FB500	0,50mm	6.000m	10mm
FB750	0,75mm	2.700m	15mm
FB1000	1,00mm	1.500m	20mm
FB1500	1,50mm	700m	30mm
FB2000	2,00mm	250m	40mm
FB3000	3,00mm	150m	50mm

The PMMA synthetic monofibres are of high quality, hard wearing.

Their linear light transmission in the entire visible spectrum is really homogenous and so their low chromatic variation, they are used for scenographic, artistic and scientific lighting for maximum length of 25 m.

OPERATION TEMPERATURE
-55°C / +70°C

MATERIAL CORE
Polymethylmethacrylate

REFRACTIVE INDEX
Step Index

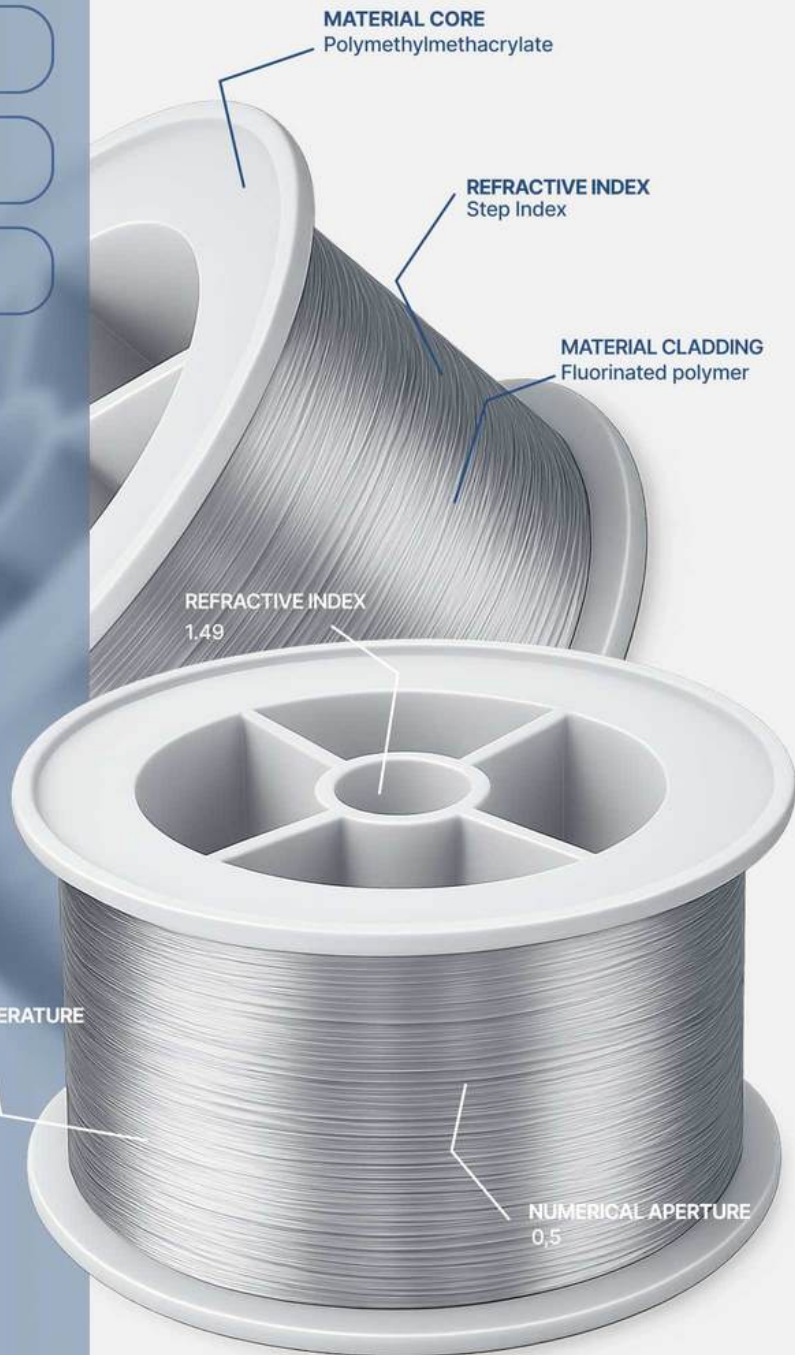
MATERIAL CLADDING
Fluorinated polymer

REFRACTIVE INDEX
1.49

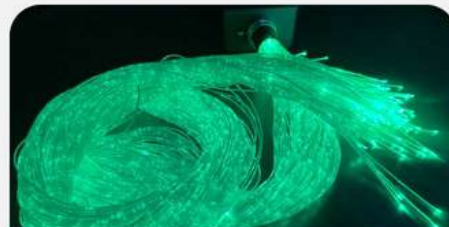
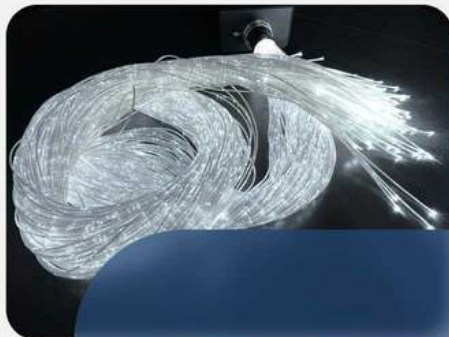
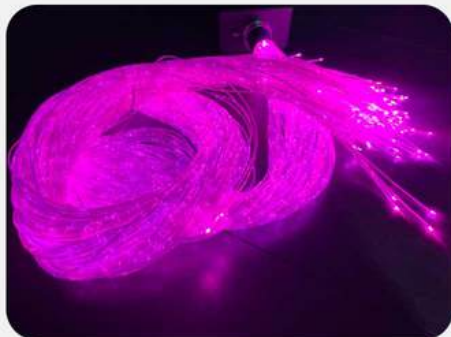
NUMERICAL APERTURE
0,5

COBB
FIBRE OTTICHE

COBB FIBRE OTTICHE SRL
Via Nelson Mandela, 20 | 24048 Treviolo (BG) | Italy
Tel. +39 035 0448601 - Fax +39 035 0448585
info@fibre-ottiche.com - www.fibre-ottiche.it



"Side Glow" side emission synthetic fibre optic cables



GLASS FIBRE OPTICS "SIDE-GLOW"

The "Side-Glow" synthetic fiber optics harnesses are made up of tails (max 260) having an outer diameter of the sheath (transparent PVC) of 2.7mm, with an optical diameter of the fibers of 1.7mm, with a maximum recommended length of 10mt. They do not require the use of terminals but only the connector for connection to the light source.

GLASS FIBRE OPTICS "SIDE-GLOW"

The "Side-Glow" glass fiber optics harnesses are made up of tails (max 400) having an outer diameter of the sheath (transparent PVC) of 2.2mm, with an optical diameter of the fibers of 1.3mm (Size 1) with a maximum recommended length of 5m. They do not require the use of terminals but only the connector for connection to the light source



Side emitting fiber optics cables “FEL-PL”



The “FEL-PL” side-emitting fiber optic cable, produced by Cobb Fibre Ottiche, offers a professional solution for a wide range of applications.

With its ability to illuminate without generating heat or requiring electricity through the cable, it overcomes traditional lighting design limitations, paving the way for boundless creative possibilities. This makes it ideal for both indoor and outdoor projects, such as illuminating the perimeters of pools, walkways, bridges, and stair edges. The “FEL-PL” cable is constructed with PMMA acrylic optical fibers, twisted around a highly reflective PVC inner core and encased in a transparent flexible jacket. This structural design ensures excellent stability and maximum light output. Additionally, the special protective coating, treated with algacides and fungicides, makes it highly resistant to weather conditions and UV rays, ensuring long-lasting durability even in challenging environments, such as pools or areas with extreme temperatures. One of the standout features of the “FEL-PL” cable is its ability to be connected to a customizable light source, allowing for color changes and the creation of dynamic, captivating lighting effects.

Produced by Cobb Fibre Ottiche, the “FEL-PL” cable represents a high-quality solution, combining durability and flexibility with superior aesthetic performance.

Side emitting fiber optics cables "FEL-PL"



Code
FEL-PL/06

Diameter
5,5mm

Bend radius
25mm

FEL-PL/09

9,5mm

40mm

FEL-PL/12

12mm

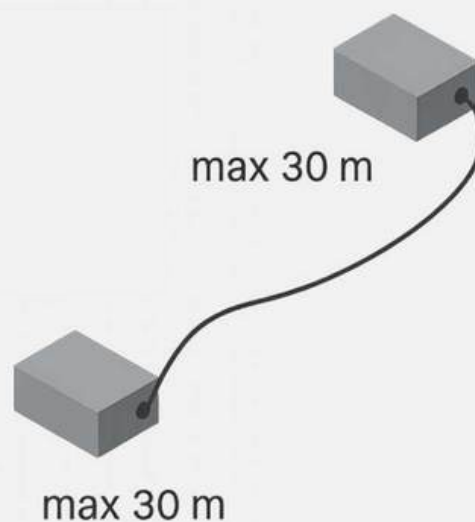
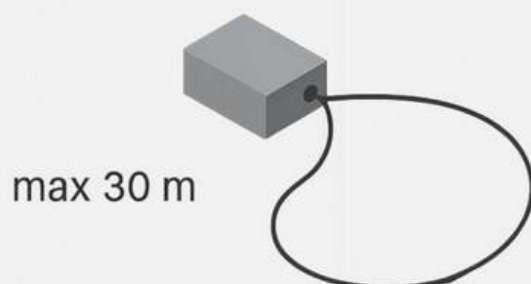
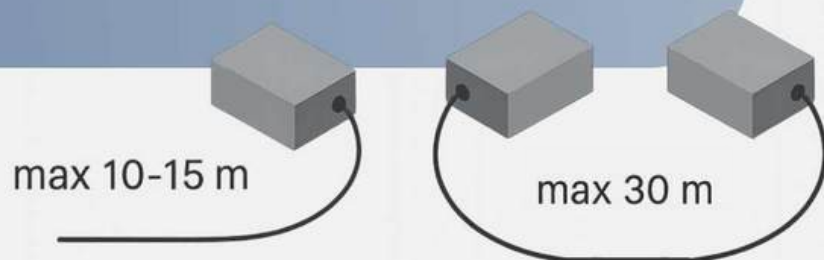
50mm

FEL-PL/15

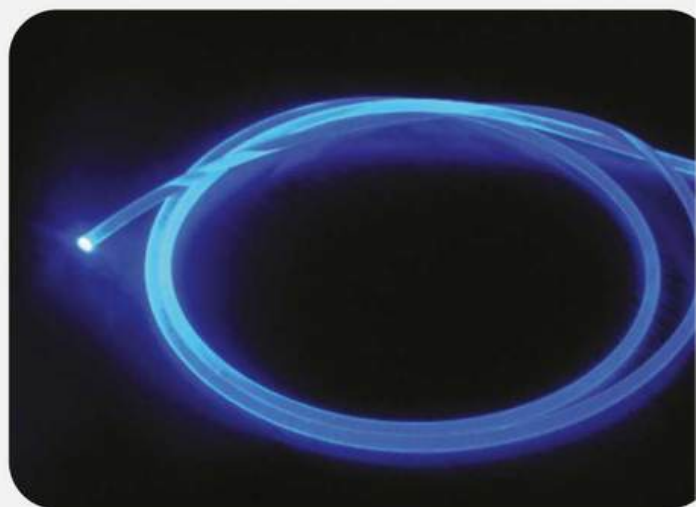
15mm

65mm

MAXIMUM LENGTH



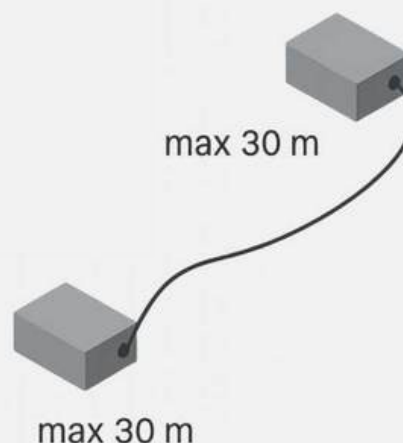
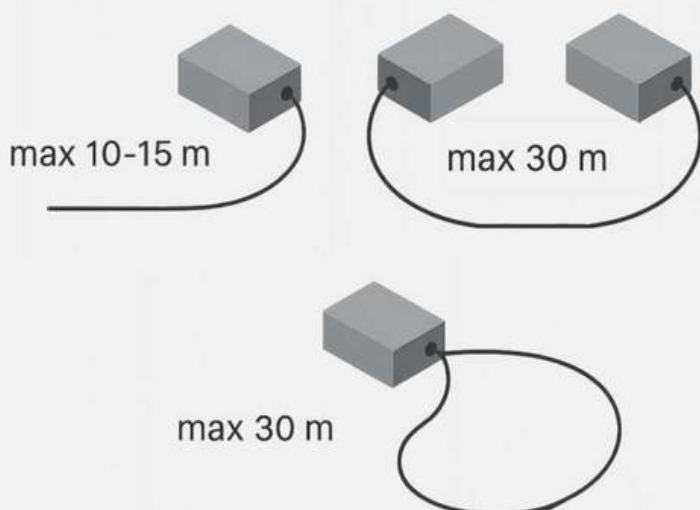
Side emitting fiber optics cables "FEL-SN"

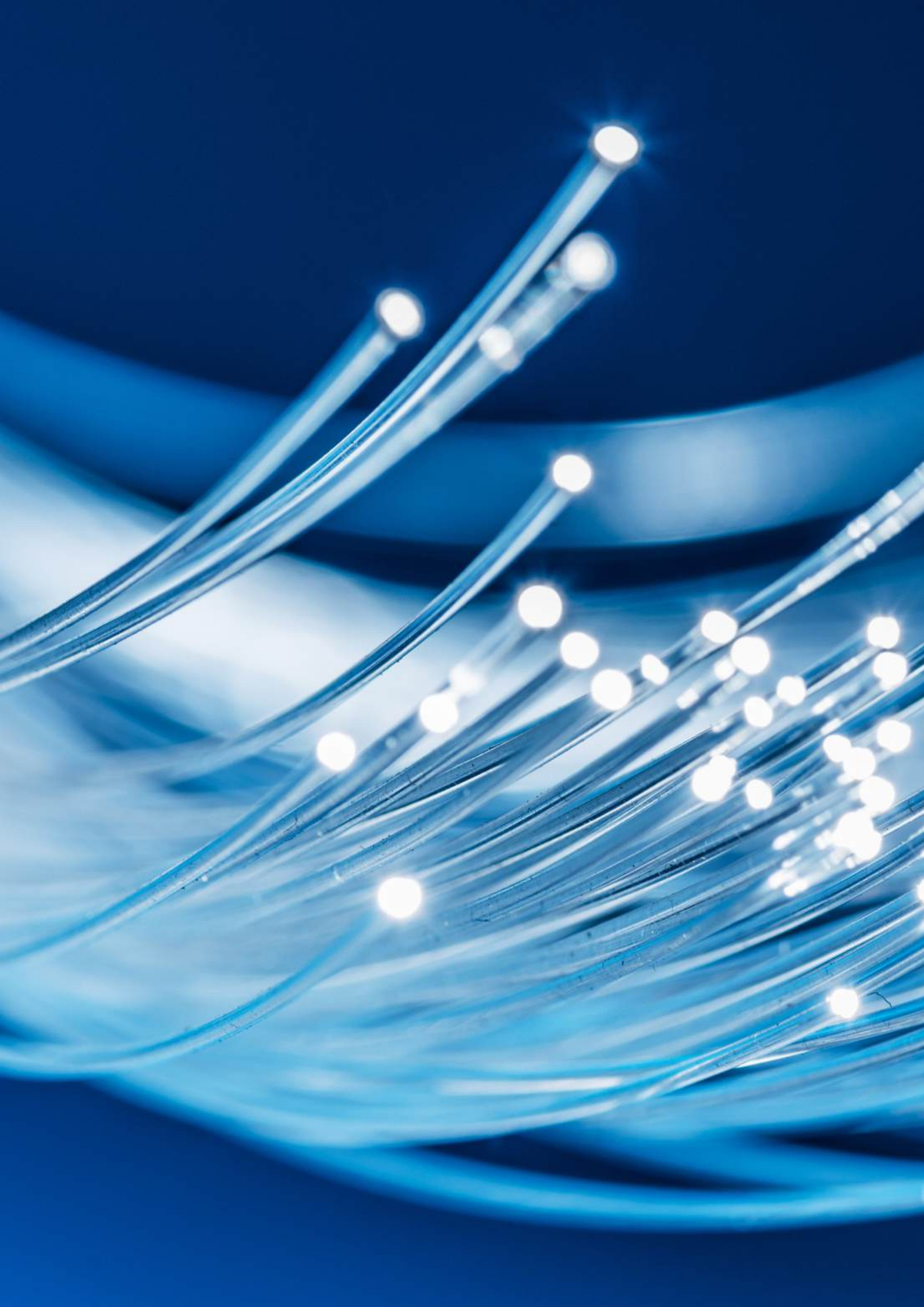


Available in the monofiber composition "FEL-SN," consisting of a single extruded synthetic optical fiber (PMMA) with a transparent over-extruded sheath for indoor use. The "FEL-SN" side-emission cables are ideal for decorating and highlighting walls, ceilings, floors, pathways, or light lines within cars or vehicles in general (campers, vans, trucks, etc.). They are also excellent for marking escape routes in indoor environments.

Code	Diameter	Bend radius
FEL-SN/015	1,5mm	7,5mm
FEL-SN/020	2,0mm	8,2mm
FEL-SN/030	3,0mm	12,6mm
FEL-SN/040	4,0mm	16,8mm

MAXIMUM LENGTH







**LIGHTS THAT CREATE
ATMOSPHERE**

FIBER OPTICS LIGHT SOURCES

COBB FIBER OPTICS LIGHT SOURCES

The light source is made by a metal casing which houses the following components: metal halide, halogen lamps or led according to the light source model; anti-UV and IR filter; silenced fan; power supply; electronic control gear for metal halide version. The scenographic lighting is aimed at creating light effects as "Starry Sky", environmental decorations or furnishing accessories. The used light sources may be indifferently with LED source, halogen or metal halide lamp. The metal halide light sources are particularly suitable to be used with side emission fibers, called "FEL".

The bundles of fiber optics, glass or synthetic ones, will be composed of many tails with small-medium diameter, in order to facilitate the lighting effect, the distribution of the very same tails, without overlooking the inexpensiveness of the system.





12W tuneable white light LED light sources
"LWH-LED12-DIN"
COD. LWH-LED12-DIN



4W RGB+W LED Light Sources
"LRGB+W/LED4"



12W RGB+W LED Light Sources
"LRGB+W/LED12"



3W WHITE LED LIGHT SOURCES
"LWH-LED3"



9W WHITE LED LIGHT SOURCES
"LWH-LED9"



10 W White light Led Source with Twinkle effect
"LWH-LED10-TW"



25W WHITE LIGHT LED LIGHT SOURCE WITH
TWINKLE EFFECT "LWH-LED25-TW"



20W WHITE LIGHT LED LIGHT SOURCE WITH TWINKLE
EFFECT
"LWH-LED20-TW"



30W WHITE LED LIGHT SOURCE
"LWH-LED30"



15W RGB+W LED LIGHT SOURCE WITH
TWINKLE EFFECT



30W RGB+W LED LIGHT SOURCE WITH TWINKLE
EFFECT
"LRGBW-LED30-TW"



40W RGB+W LED LIGHT SOURCE
"LRGBW-LED40"



60W RGB+W LED LIGHT SOURCE WITH TWINKLE
EFFECT
"LRGBW-LED60-TW"



90W WHITE LED LIGHT SOURCE
"LWH-LED90"



HALOGEN LIGHT SOURCE "MLA"
"MLA-VR/SN"



HALOGEN LIGHT SOURCE "LA"
"LA-VR/SN"



METAL HALIDE LIGHT SOURCE "LH"
"LH150-VR/SN"

ALL OUR LIGHT SOURCES

ALL OUR CONTROLLERS



BUTTON



R.F. REMOTE



R.F. REMOTE + SMART CONTROL



PANEL TOUCH



DMX CONTROL



DALI CONTROL

3W RGB+W LED LIGHT SOURCES



LED LIGHT SOURCE FOR GLASS AND PMMA OPTICAL FIBER

Led light source for glass and pmma optical fibers. Anodized aluminum body, heat sink, color control module, power supply and remote control. Due to its small size and high luminous efficiency it is perfectly suitable for the realization of scenographic and decorative effects.

TECHNICAL FEATURES

3W RGB+W LED high power
Fanless cooling
IP54 protection (IP65 on request)
Supply voltage: 230V-50/60Hz
Supply voltage on request : 12V or 24V



3W RGB LED LIGHT SOURCE WITH BUTTON CONTROL



3W RGB+W LED LIGHT SOURCE WITH R.F. REMOTE CONTROL



3W RGB+W LED LIGHT SOURCE "RF-LRGB+W/LED3 SMART"



3W RGB+W LED LIGHT SOURCE WITH TOUCH PANEL CONTROL



3W RGB+W LED LIGHT SOURCE DMX CONTROL



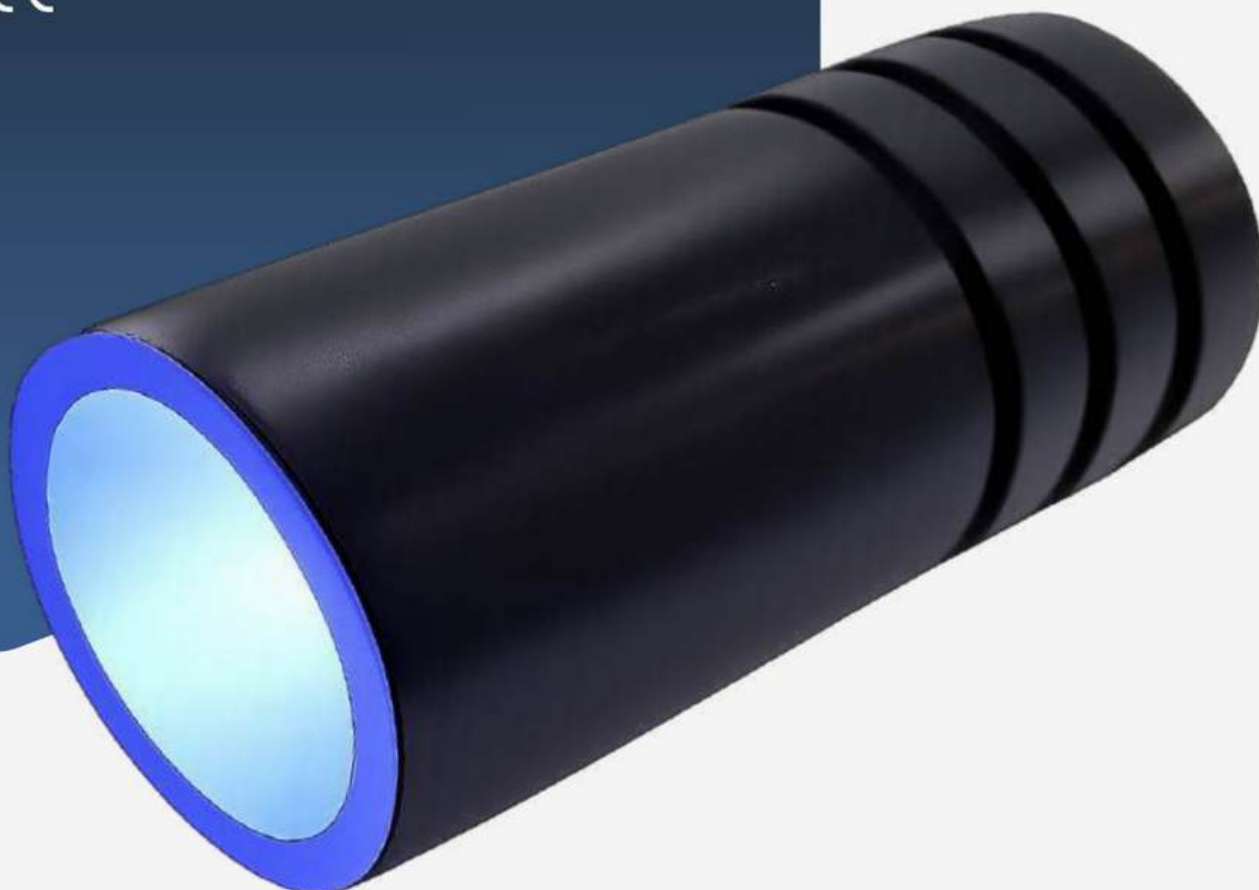
3W RGB LED LIGHT SOURCE WITH DALI CONTROL

3W LED RGB light source

"BUTTON-LRGB/LED3"

CE

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FIBRE OTTICHE



The LED LRGB-LED series light sources are produced for use with glass and PMMA optical fibers. These light sources allow you to control the emitted light and the color rotation speed, creating spectacular effects through radio frequency control. The light sources are supplied with an electronic device for connection to an unlimited number of LED light sources, maintaining color synchronization.

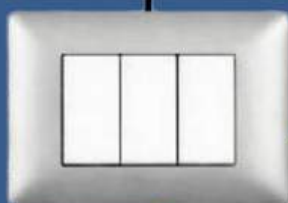
System components

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Color control module



3W RGB led light source



(button not included in the supply)

Color control button functions

Short push: switch on or switch off

Long push: color selection/
automatic color rotation starts
after 20 seconds

Two short pushes: fixed color
choice in automatic color
rotation program

Technical specifications	Description
Led color	RGB (red, green, blue)
Power	3W
Cooling	fanless
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	100-240VAC / 50-60Hz

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Fibre optic bundle connection

3W RGB LED light source



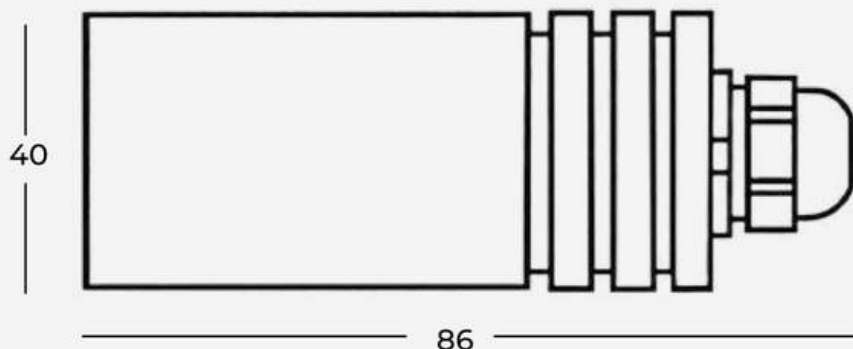
fibre optics bundle

common end



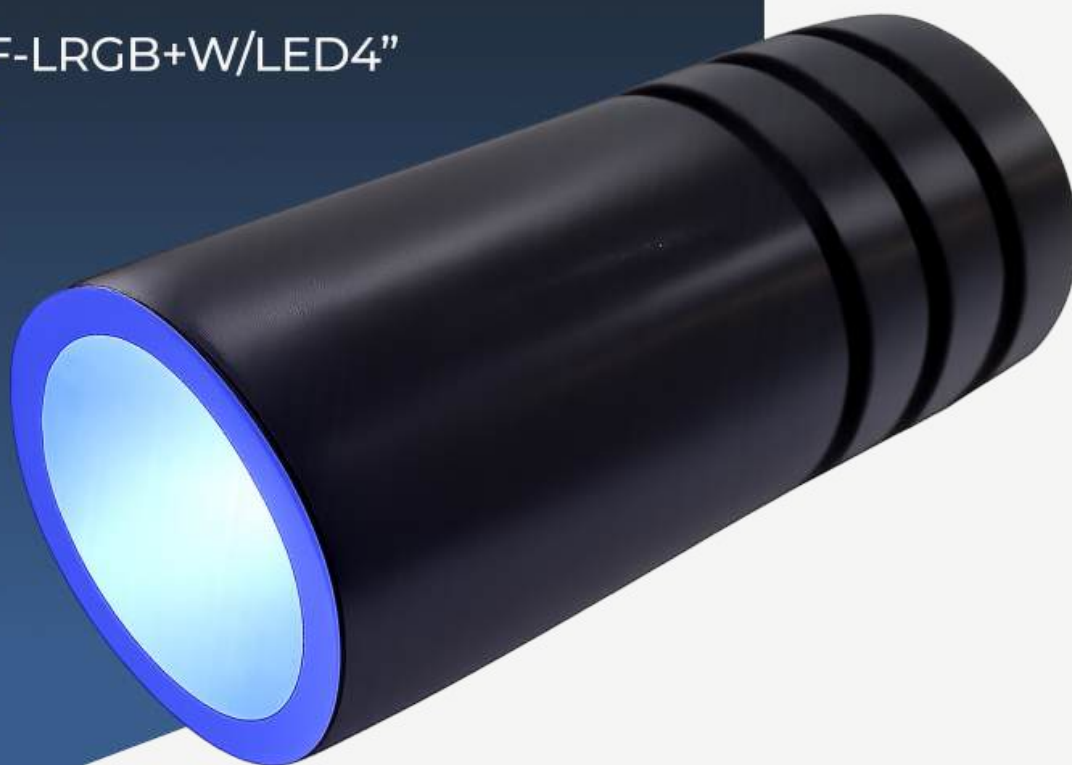
Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.

Dimensions

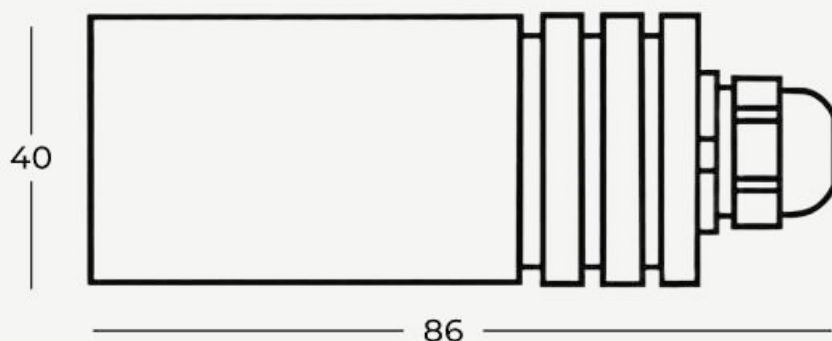


4W LED light RGB+W source

"RF-LRGB+W/LED4"



The LED LRGB+W series light sources are produced for use with both glass optical fibers and synthetic optical fibers. The "LRGB+W" illuminators allow you to control the color of the emitted light and the speed of color rotation, creating scenographic effects via radio frequency remote control. The illuminators are already prepared, thanks to the integrated electronics, for connection to an unlimited number of illuminators, while maintaining the synchrony of the colors.



Dimensions

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System components

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Control functions

ON/OFF: on or off for any function

Programs: 8 programs

Speed / Brightnesses + : the speed / brightness will increase speed or brightness when you touch the key each time

Speed / Brightnesses - : the speed / brightness will decrease speed or brightness when you touch the key each time

Color ring: touch and choose any color which you want

White color button: button to turn on the white color led

Zone control button: button to control different zones with one rf remote control or to change frequency of each single rf remote control

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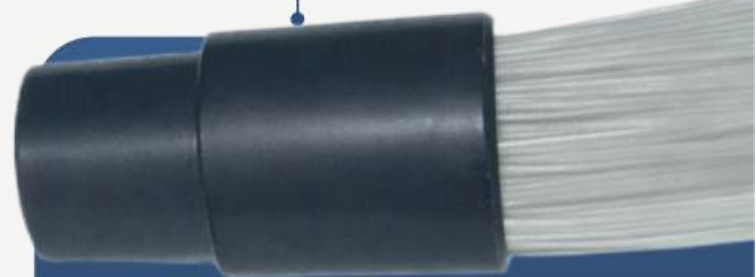
Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	4W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	220-240VAC / 50-60Hz

4W RGB+W LED light source



common end

fibre optics bundle



insert the common end in the light source and block it through the screw set on the light source

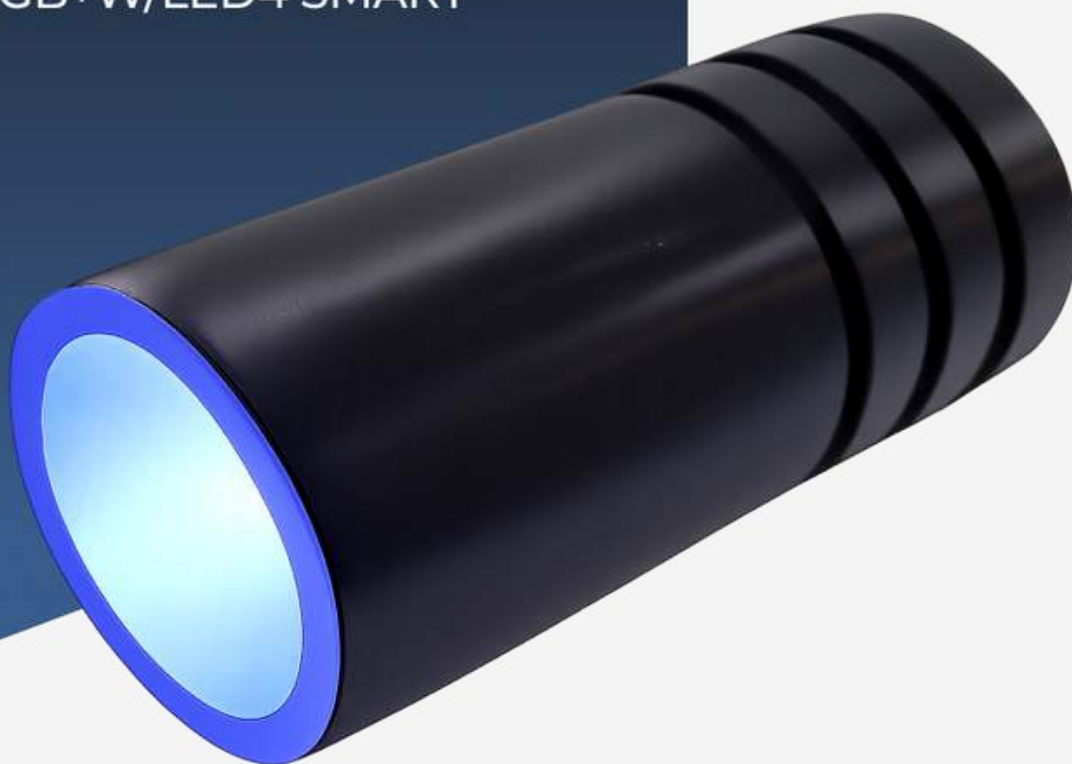


4W LED RGB+W light source

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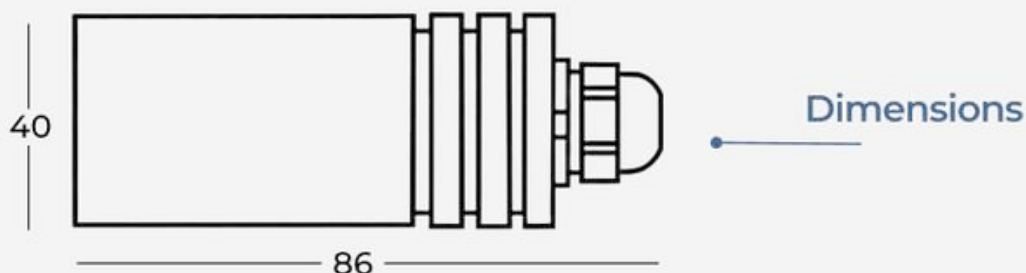
“RF-LRGB+W/LED4 SMART”

CE



The illuminators of the “LED LRGB+W” series are designed for use with both glass optical fibers and synthetic optical fibers. The smart version allows you to control the color of the light, as described below:

- With the Tuya app, you can manage the lights from your smartphone or tablet, adjust the intensity, color, and programming.
- “Smart Assistant Control” is compatible with Alexa and Google Assistant for voice control of the lights.
- It also includes a touch RF remote control for traditional control.
- It offers personalized, affordable, and efficient lighting for your home, office, wellness centers, etc.
- It allows you to conveniently and intuitively control the lights with various control options.



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System components

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Control functions

ON/OFF: on or off for any function

Programs: 8 programs

Speed / Brightnesses + : the speed / brightness will increase speed or brightness when you touch the key each time

Speed / Brightnesses - : the speed / brightness will decrease speed or brightness when you touch the key each time

Color ring: touch and choose any color which you want

White color button: button to turn on the white color led

Zone control button: button to control different zones with one rf remote control or to change frequency of each single rf remote control

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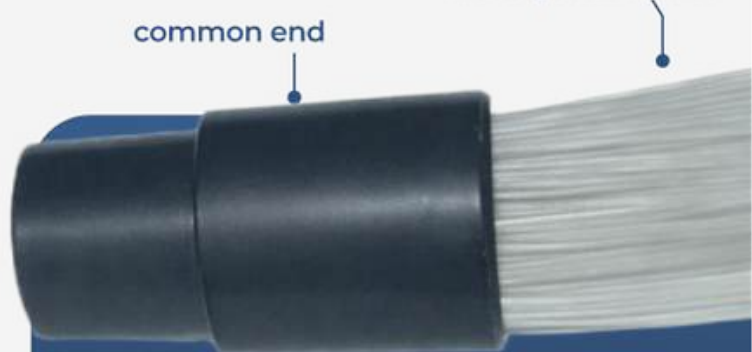
Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	4W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	220-240VAC / 50-60Hz

4W LED RGB+W light source



common end

fibre optics bundle



Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.

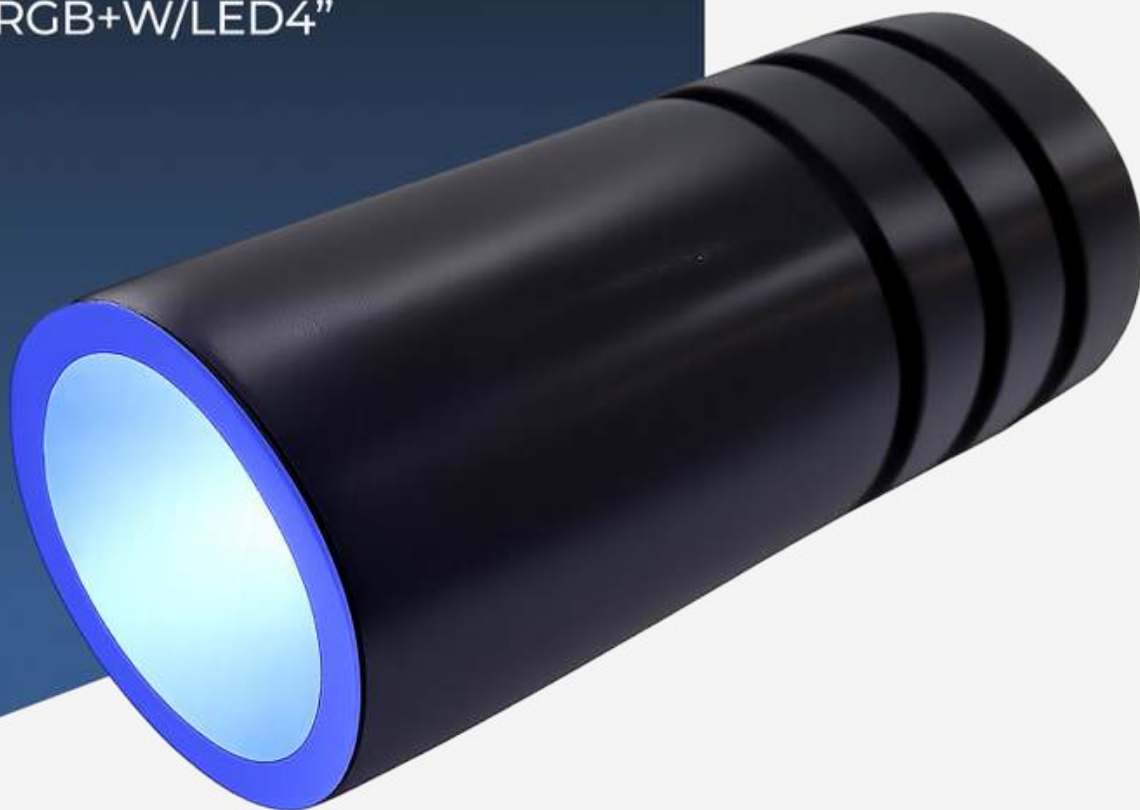


4W LED RGB+W light source

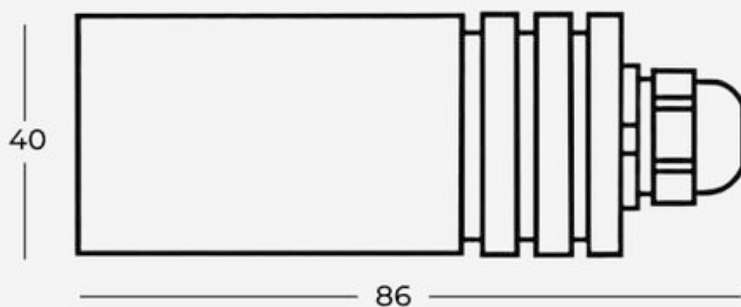
"PT-LRGB+W/LED4"

CE

COBB
FIBRE OTTICHE



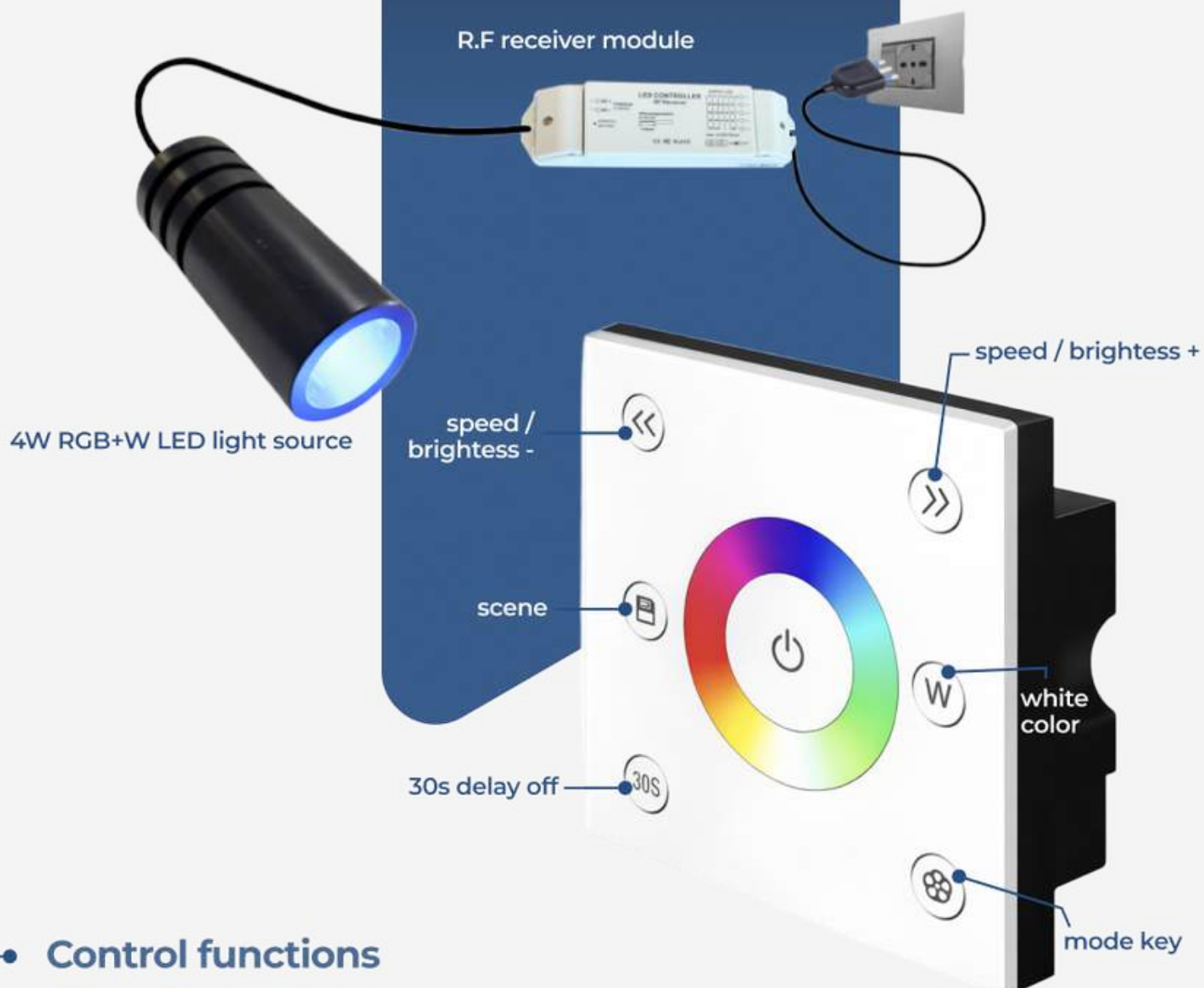
The LED LRGB+W series light sources are produced to be used with glass and PMMA optical fibers. These light sources allow you to control the emitted light and the color rotation speed, creating spectacular effects through radio frequency control. The light sources are supplied with an electronic device for connection to an unlimited number of LED light sources, maintaining color synchronization.



Dimensions

System components

COBB
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Control functions

Central ON/OFF button: on or off for any function

Programs: 10 programs

Speed / Brightness + : the speed / brightness will increase speed or brightness when you touch the key each time

Speed / Brightness - : the speed / brightness will decrease speed or brightness when you touch the key each time

Color ring: touch and choose any color which you want

White color button: button to turn on the white color led

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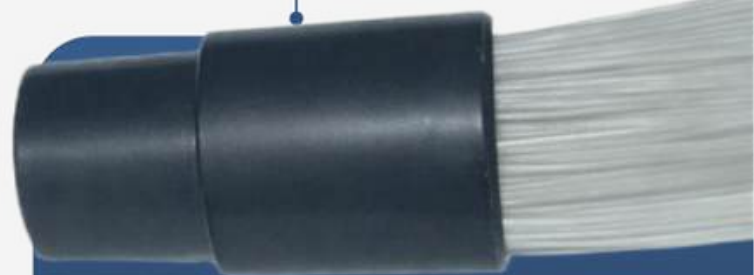
Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	4W
Cooling	Fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz

4W RGB+W LED light source



common end

fibre optics bundle



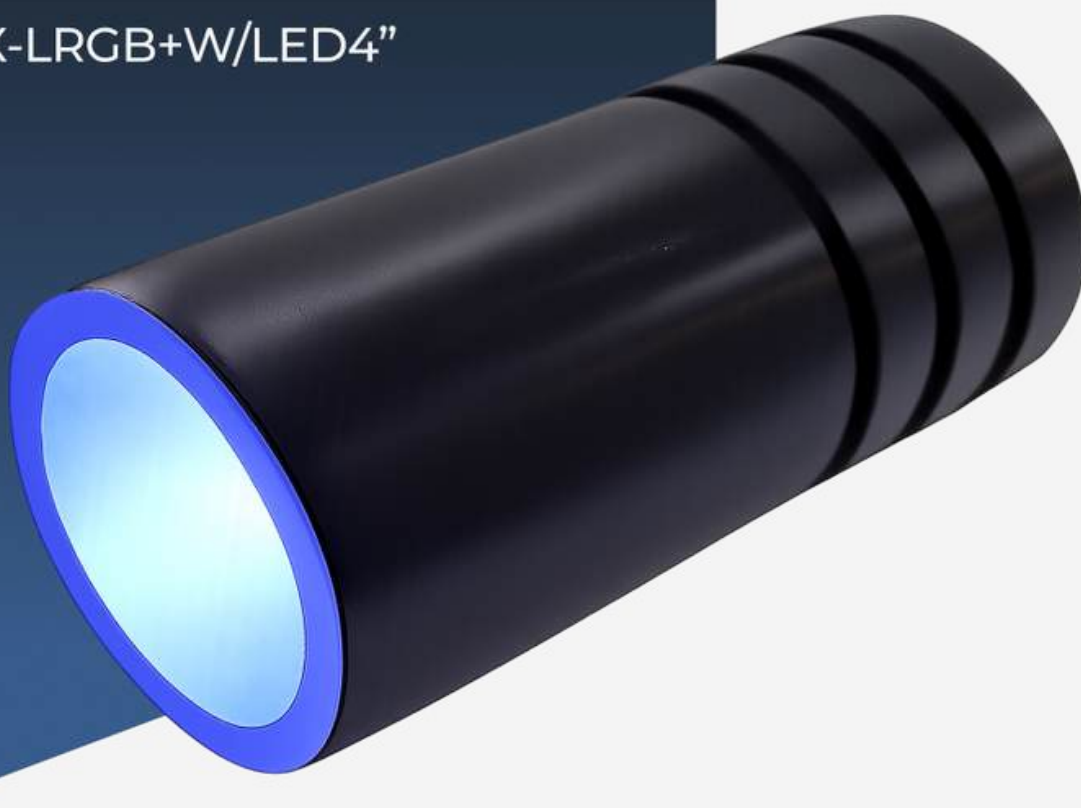
Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.



4W LED RGB+W light source

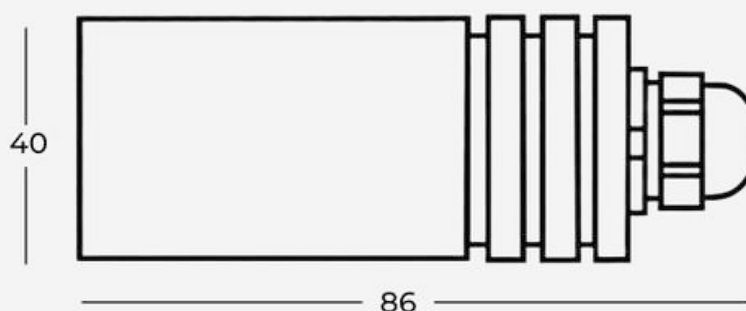


"DMX-LRGB+W/LED4"



The illuminators of the "Led LRGB+W" series are produced for use with both glass optical fibers and synthetic optical fibers. The "LRGB+W" Led light sources allow you to control the color of the light emitted and the speed of color rotation, creating scenographic effects via radio frequency remote control.

The Led light sources are already prepared thanks to the integrated electronics, for connection to an unlimited number of illuminators while maintaining the synchrony of the colors.



Dimensions

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System components

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Color control via DMX signal

Electronic card interface for the control and programming of scenographies through DMX 512 signal on four channels: red, green, blue and white

Power supply DMX interface



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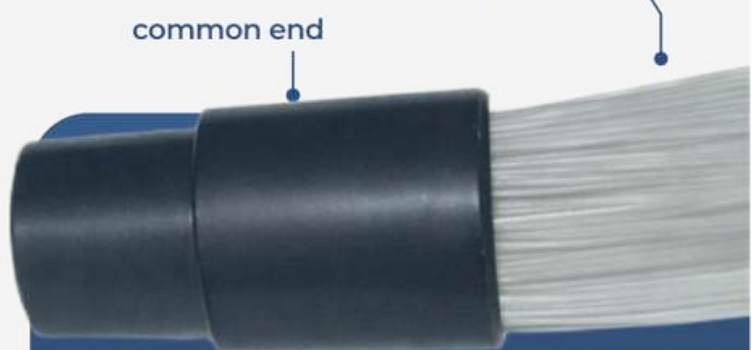
Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	4W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	220V-240VAC/50-60Hz

4W RGB+W LED light source



fibre optics bundle

common end



insert the common end in the light source and
block it through the screw set on the light source

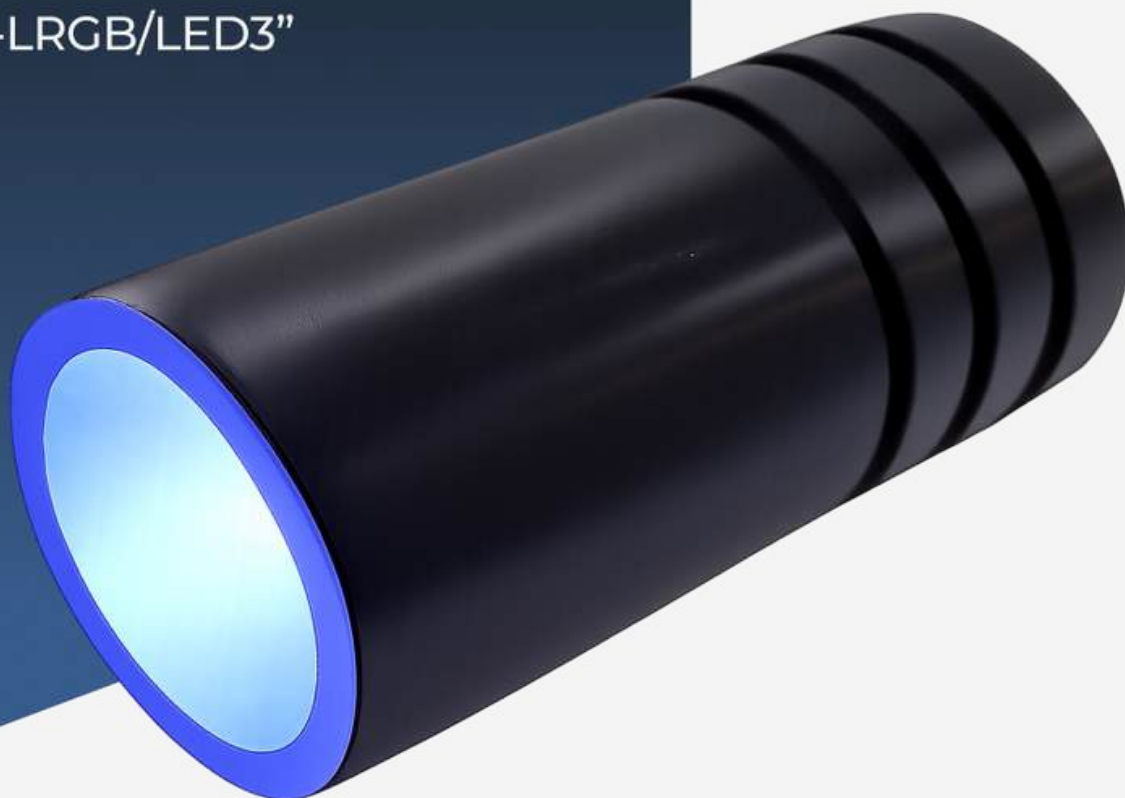


3W LED RGB light source

"DALI-LRGB/LED3"

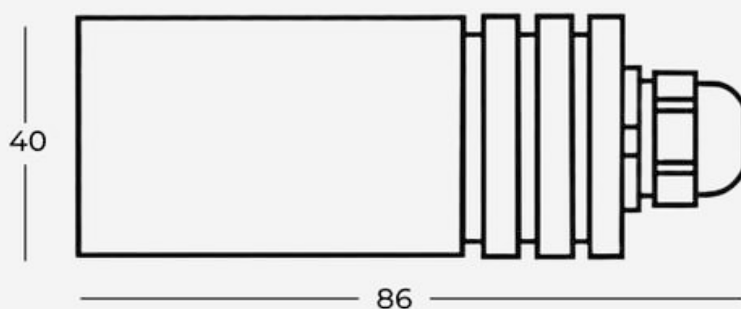
CE

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The LED LRGB series light sources are produced for use with both glass optical fibers and synthetic optical fibers. The "LRGB" illuminators allow you to control the color of the emitted light and the speed of color rotation, creating scenographic effects via radio frequency remote control.

The LED light sources are already prepared, thanks to the integrated electronics, for connection to an unlimited number of illuminators, while maintaining color synchronization.



Dimensions

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System components

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color control
module



DALI
interface



3W RGB LED light
source



Control functions via DALI signal

Electronic card interface for controlling and programming scenes via DALI signal

Control funzioni DALI



Color control module



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Technical specifications	Description
Led color	RGB (red, green, blue)
Power	3W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	220V-240VAC/50-60Hz

3W RGB LED light source



common end

fibre optics bundle



insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator



12W RGB+W LED LIGHT SOURCES

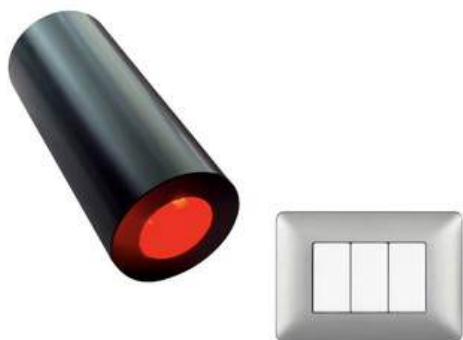


LED LIGHT SOURCE FOR GLASS AND PMMA OPTICAL FIBER

LED light source for glass and PMMA fiber optic systems. Featuring an anodized aluminum housing, integrated heat sink, color control module, power supply, and remote control, this compact unit combines high luminous efficiency with reliable performance. Thanks to its small size and powerful light output, it is the ideal solution for creating decorative and scenographic lighting effects.

TECHNICAL FEATURES:

- 12W RGB+W LED high power
- Fanless cooling
- IP54 protection (IP65 on request)
- Power supply: 230V-50/60Hz
- Power supply 12V or 24V on request



9W RGB LED LIGHT SOURCE WITH BUTTON CONTROL



12W RGB+W LED LIGHT SOURCE WITH R.F. REMOTE CONTROL



12W RGB+W LED LIGHT SOURCE "RF-LRGB+W/LED9 SMART"



12W RGB+W LED LIGHT SOURCE WITH TOUCH PANEL CONTROL



12W RGB+W LED LIGHT SOURCE DMX CONTROL



9W RGB LED LIGHT SOURCE WITH DALI CONTROL

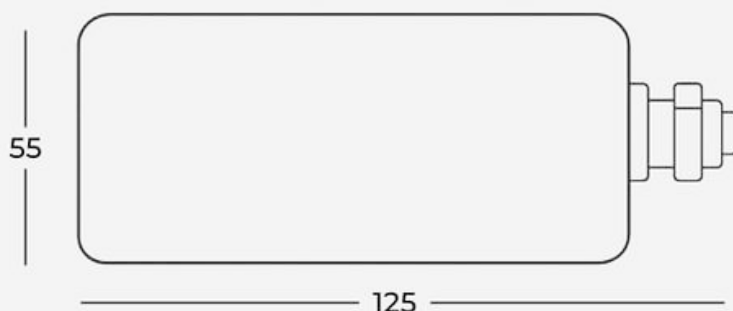
9W LED RGB light source

"BUTTON-LRGB/LED9
CE



The LED LRGB-LED9 series light sources are produced for use with glass and PMMA optical fibers. These light sources allow you to control the emitted light and the color rotation speed, creating spectacular effects through radio frequency control.

The light sources are supplied with an electronic device for connection to an unlimited number of LED light sources, maintaining color synchronization.



Dimensions

System components

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Color control module



9W RGB light source



(button not included in the supply)

Color control button functions

Short push: switch on or switch off

Long push: color selection/automatic color rotation starts after 20 seconds

Two short pushes: fixed color choice in automatic color rotation program

Technical specifications	Description
Led color	RGB (red, green, blue)
Power	9W
Cooling	fanless
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz

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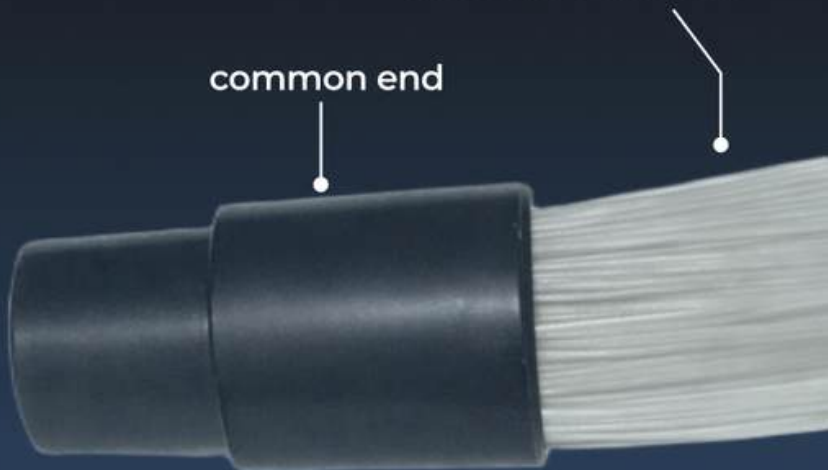
Fibre optic bundle connection

9W LED light source



fibre optics bundle

common end



insert the common end in the light source and
block it through the screw set on the light
source

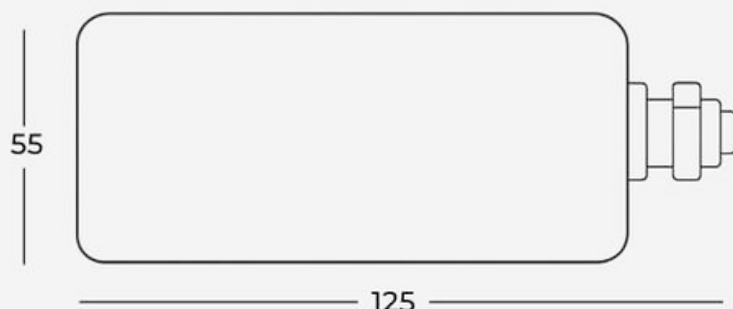
12W LED RGB+W light source

"RF-LRGB+W/LED12"



The Led light sources LED LRGB+W Series are produced to be used with glass and pmma optical fibres. These light sources allow you to control the emitted light and color rotation speed, creating spectacular effects through radio frequency control.

The light sources are supplied with an electronic device for connection to an unlimited number of led light sources which maintaining the color sync.



Dimensions

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System components

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Control functions

ON/OFF: on or off for any function

Programs: 8 programs

Speed / Brightnesses + : the speed / brightness will increase speed or brightness when you touch the key each time

Speed / Brightnesses - : the speed / brightness will decrease speed or brightness when you touch the key each time

Color ring: touch and choose any color which you want

White color button: button to turn on the white color led

Zone control button: button to control different zones with one rf remote control or to change frequency of each single rf remote control

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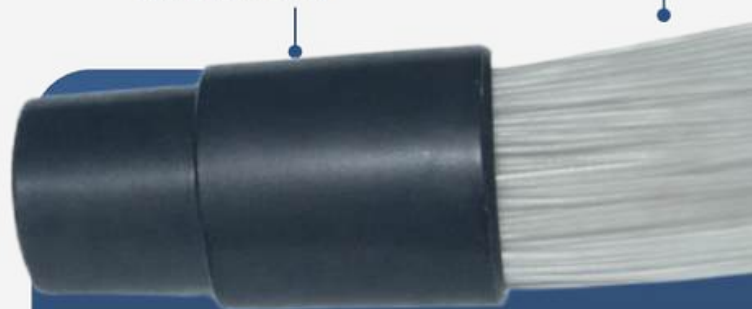
Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	12W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz

12W LED RGB+W light source



fibre optics bundle

common end



insert the common end in the light source and block it through the screw set on the light source



12W LED RGB+W light source

"RF-LRGB+W/LED12 SMART"

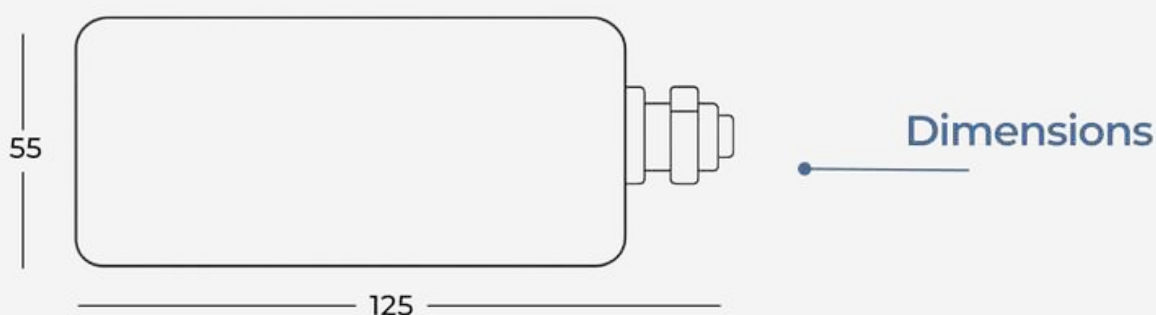


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The LED light sources of the "LED LRGB+W" series are designed for use with both glass optical fibers and synthetic optical fibers. The smart version allows you to control the color of the light, as described below:

- With the Tuya app, you can manage the lights from your smartphone or tablet, adjust the intensity, color, and programming.
- “Smart Assistant Control” is compatible with Alexa and Google Assistant for voice control of the lights.
- It also includes a touch RF remote control for traditional control.
- It offers personalized, affordable, and efficient lighting for your home, office, wellness centers, etc.
- It allows you to conveniently and intuitively control the lights with various control options.



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System components

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Control functions

ON/OFF: on or off for any function

Programs: 8 programs

Speed / Brightnesses + : the speed / brightness will increase speed or brightness when you touch the key each time

Speed / Brightnesses - : the speed / brightness will decrease speed or brightness when you touch the key each time

Color ring: touch and choose any color which you want

White color button: button to turn on the white color led

Zone control button: button to control different zones with one rf remote control or to change frequency of each single rf remote control

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Technical specifications

Led color

Power

Cooling

Lifetime

Standard connector input

Protection rating (IP)

Housing

Finish

Dimmable

Power supply

Description

RGB+W (red, green, blue + white)

12W

fanless cooling

50.000 hours

30 mm

IP54 (IP65 on request)

delrin (POM)

black

yes

220-240VAC / 50-60Hz

12W RGB+W LED light source

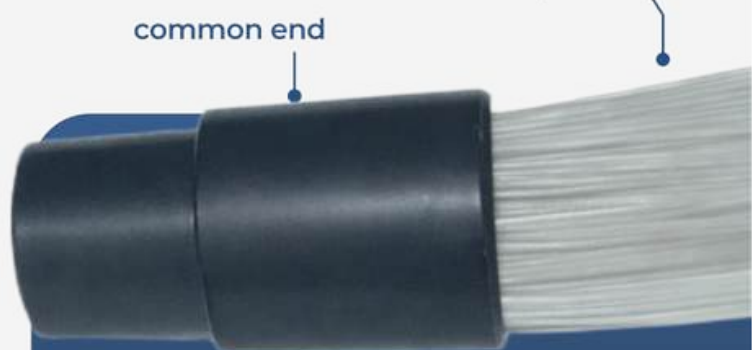


insert the common end in the light source and block it through the screw set on the light source



common end

fibre optics bundle



12W LED RGB+W light source

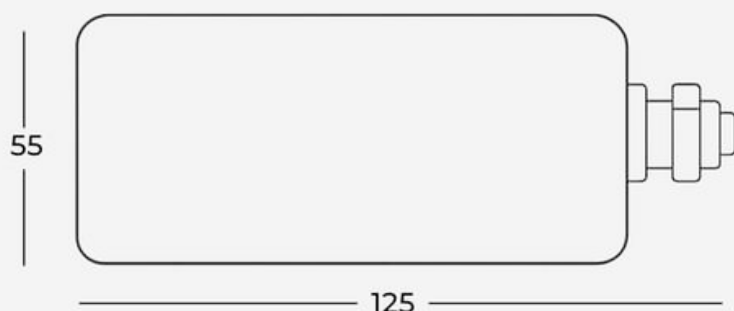
“PT-LRGB+W/LED12”

CE

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FIBRE OTTICHE



The LED LRGB+W series light sources are produced for use with glass and PMMA optical fibers. These light sources allow you to control the emitted light and the color rotation speed, creating spectacular effects through radio frequency control. The light sources are supplied with an electronic device for connection to an unlimited number of LED light sources, maintaining color synchronization.

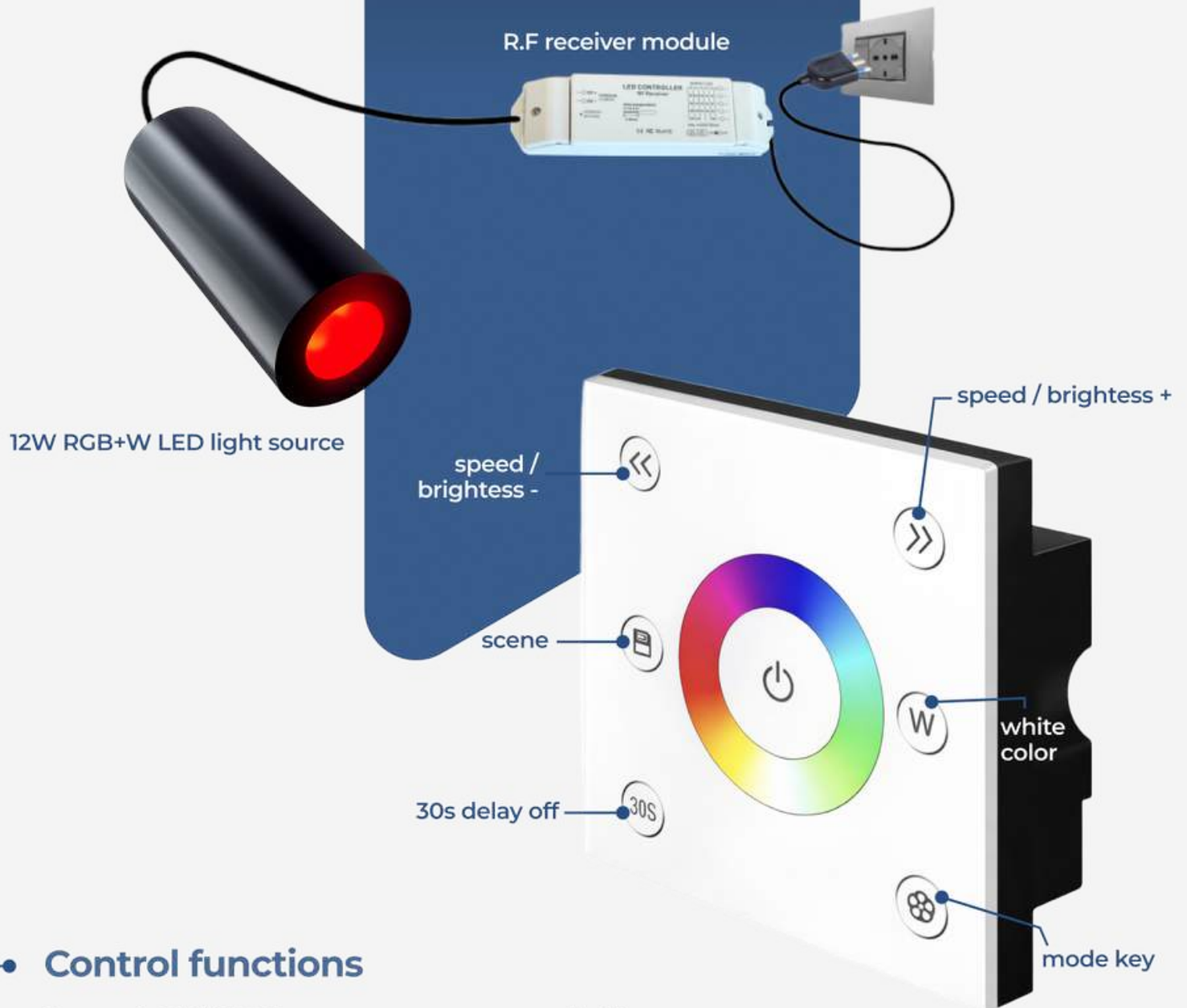


Dimensions

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System components



Control functions

Central ON/OFF button: power on and off

Touch color wheel: color selection by touch

Speed / Brightness > : increases speed in color-changing mode | increases brightness for fixed colors

Speed / Brightness < : decreases speed in color-changing mode | decreases brightness for fixed colors

Program button: selection of 10 programs

White color button: button for white LED

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Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	12W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz

12W RGB+W LED light source



common end

fibre optics bundle



insert the common end in the light source and block it through the screw set on the light source



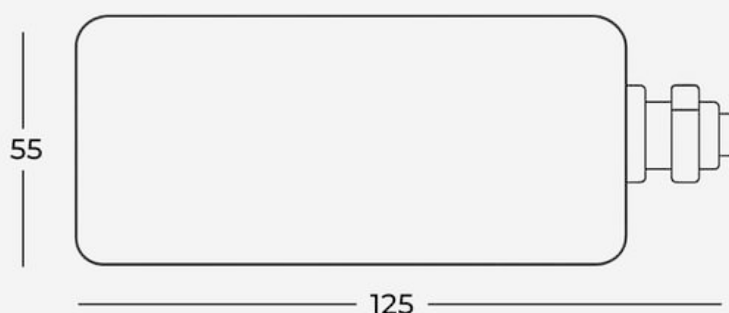
12W LED RGB+W light source

“DMX-LRGB+W/LED12”



The LED light sources of the “LED LRGB+W” series are produced for use with both glass optical fibers and synthetic optical fibers. The “LRGB+W” LED light sources allow you to control the color of the emitted light and the speed of color rotation, creating scenographic effects via radio frequency remote control, RF touch panel, DALI, and DMX.

The illuminators are already prepared, thanks to the integrated electronics, for connection to an unlimited number of illuminators, while maintaining color synchronization.



Dimensions

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System components

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Color control via DMX signal

Electronic card interface for the control and programming of scenographies through DMX 512 signal on four channels: red, green, blue and white

Power supply DMX interface



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info@fibre-ottiche.com - www.fibre-ottiche.it

Technical specifications	Description
Led color	RGB+W (red, green, blue + white)
Power	12W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	220-240VAC / 50-60Hz

12W RGB+W LED light source



common end

fibre optics bundle



insert the common end in the light source and block it through the screw set on the light source



9W LED RGB light source

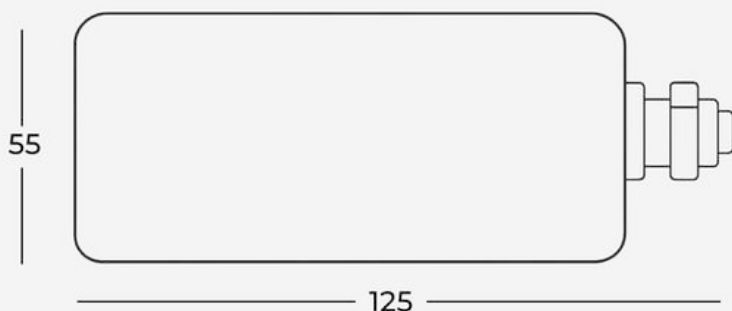


"DALI-LRGB/LED9"



The Led light sources "LRGB-LED" Series are produced to be used with glass and pmma optical fibres. These light sources allow you to control the emitted light and color rotation speed, creating spectacular effects through radio frequency control.

The light sources are supplied with an electronic device for connection to an unlimited number of led light sources which maintaining the color sync.



Dimensions

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System components

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Control functions via DALI signal

Electronic card interface for controlling and programming scenes via DALI signal



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Technical specifications	Description
Led color	RGB (red, green, blue)
Power	9W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz

9W RGB LED light source



fibre optics bundle

common end



insert the common end in the light source and block it through the screw set on the light source





3W WHITE LED LIGHT SOURCES



LED LIGHT SOURCE FOR GLASS AND PMMA OPTICAL FIBER

The LWH LED light sources are available in three different white color temperatures:

Warm White – 3000 K

Natural White – 4000 K

Cool White – 5500 K

All LWH LED light sources are supplied with an integrated power supply for direct connection to a 110–240 V AC mains power source.

TECHNICAL FEATURES

3W white LED high power

Fanless cooling

Led lifespan 50.000 hours

IP54 protection (IP65 on request)

Supply voltage: 110–240V (on request 12–24VDC)



"LWH-LED3" SYSTEM : LED WHITE SOURCE
WITH POWER SUPPLY



3W LED LIGHT SOURCE WITH R.F. REMOTE
CONTROL "LWH-LED3+RF"



3W LED LIGHT SOURCE WITH R.F. REMOTE CONTROL "LWH-
LED3+RF/PLUS"



3W LED LIGHT SOURCE WITH SMART CONTROL "LWH-
LED3+RF/SMART"



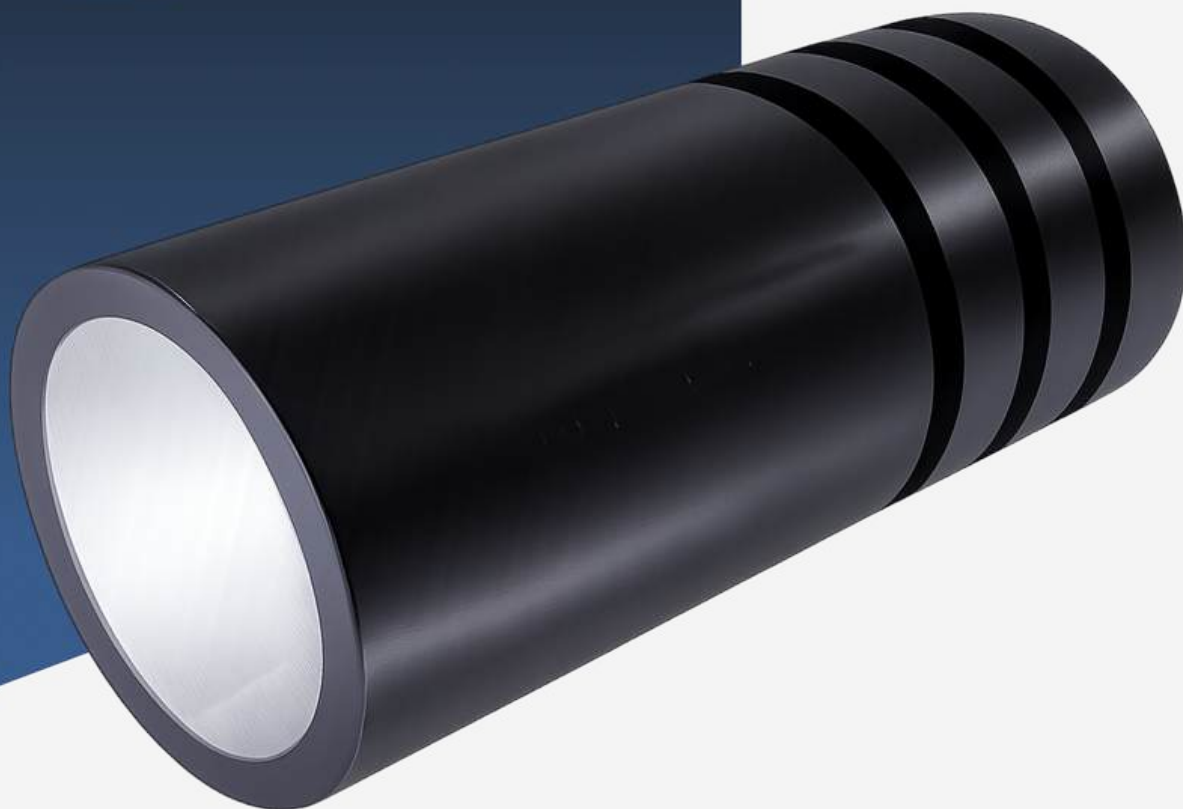
"DALI-LWH/LED3" SYSTEM: LED WHITE
SOURCE WITH POWER SUPPLY

3W LED light source

"LWH-LED3"

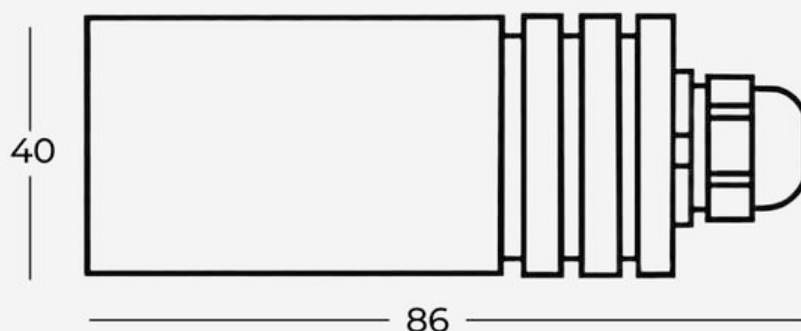


COBB
FIBRE OTTICHE



The Led light sources "Led LWH" Series are produced to be used with glass and pmma optical fibers. The "LWH" are available with three different white color temperatures: warm white 3000° k | natural white light 4000° k | cold white 5500° k

The led white light sources are provided with a power supply to be connected directly to 110-240VAC



Dimensions

System components

COBB
FIBRE OTTICHE

Power supply



3W white LED light source

Technical specifications	Description
Led color	white
Power	3W
Cooling	fanless cooling
Lifetime	50.000 ore
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz (on request: 12V or 24V)

3W LED light source

fiber optics bundle

common end



insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator



COBB FIBRE OTTICHE SRL

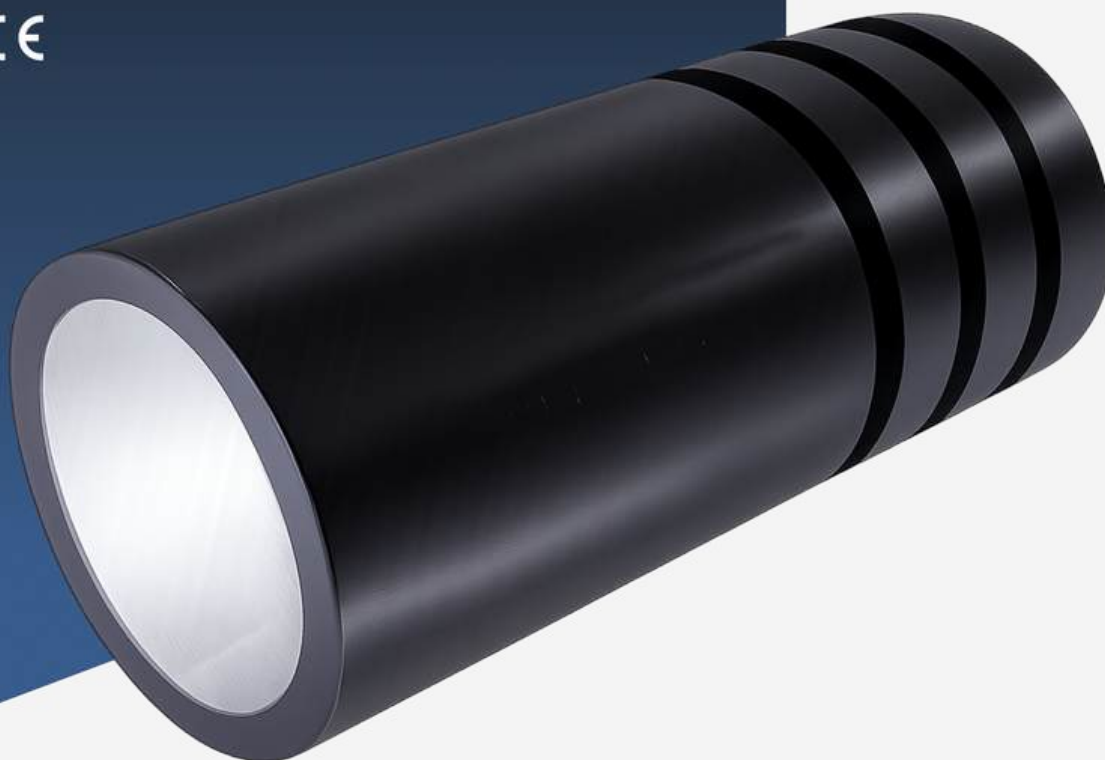
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3W LED white source

"LWH-LED3+RF/PLUS"

CE

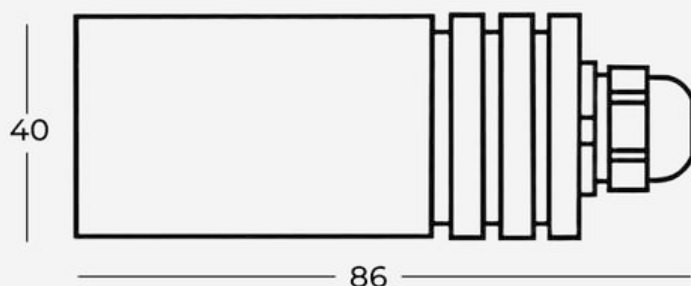
COBB
FIBRE OTTICHE



The Led light sources "Led LWH" Series are produced to be used with glass and pmma optical fibers.

The "LWH" are available with three different white color temperatures:
warm white 3000° k | natural white light 4000° k | cold white 5500° k.

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.



Dimension

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System components

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Remote control functions

ON/OFF button: power on and off the device

SET button: remote control pairing / setup

Program selection (M button): selection of available lighting programs

Light intensity ring: adjustment of light intensity by rotating the ring

W button (night light): activation of low-intensity night light

Brightness + (B+): increase brightness

Brightness - (B-): decrease brightness

Program speed + (S+): increase speed of lighting effects

Program speed - (S-): decrease speed of lighting effects

Zone button: control of different areas / zones via dedicated selection

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Technical specifications	Description
Led color	white
Power	3W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz (on request: 12V or 24V)

3W LED light source



common end



fibre optics bundle

Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.



3W LED white source

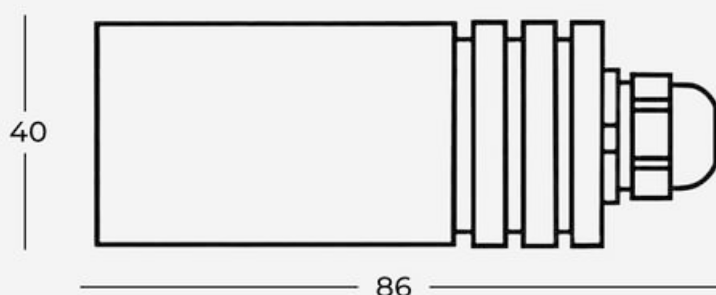


"LWH-LED3+RF/SMART"



The led light sources in the "Led LWH" series are designed to be used with both glass optical fibers and synthetic optical fibers. The SMART version allows you to control the light color as follows:

- With the Tuya application, you can manage the lights from a smartphone or tablet, adjust the intensity, color, and programming.
- The "Intelligent Assistant Control" is compatible with Alexa and Google Assistant for voice control of the lights.
- It also includes a radio frequency touch remote for traditional control.
- It provides customized, practical, and efficient lighting for your home, office, wellness center, etc.
- It allows you to conveniently and intuitively control the lights with various control options.



Dimensions

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System components

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Remote control functions

ON/OFF button: power on and off the device

SET button: remote control pairing / setup

Program selection (M button): selection of available lighting programs

Light intensity ring: adjustment of light intensity by rotating the ring

W button (night light): activation of low-intensity night light

Brightness + (B+): increase brightness

Brightness - (B-): decrease brightness

Program speed + (S+): increase speed of lighting effects

Program speed - (S-): decrease speed of lighting effects

Zone button: control of different areas / zones via dedicated selection

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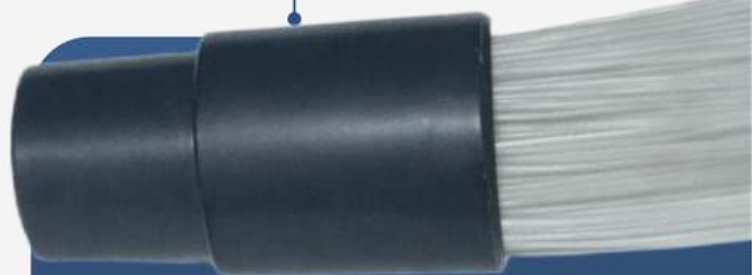
Technical specifications	Description
Led color	white
Power	3W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	110-240VAC/50-60Hz (on request: 12-24VDC)

3W LED light source



common end

fibre optics bundle

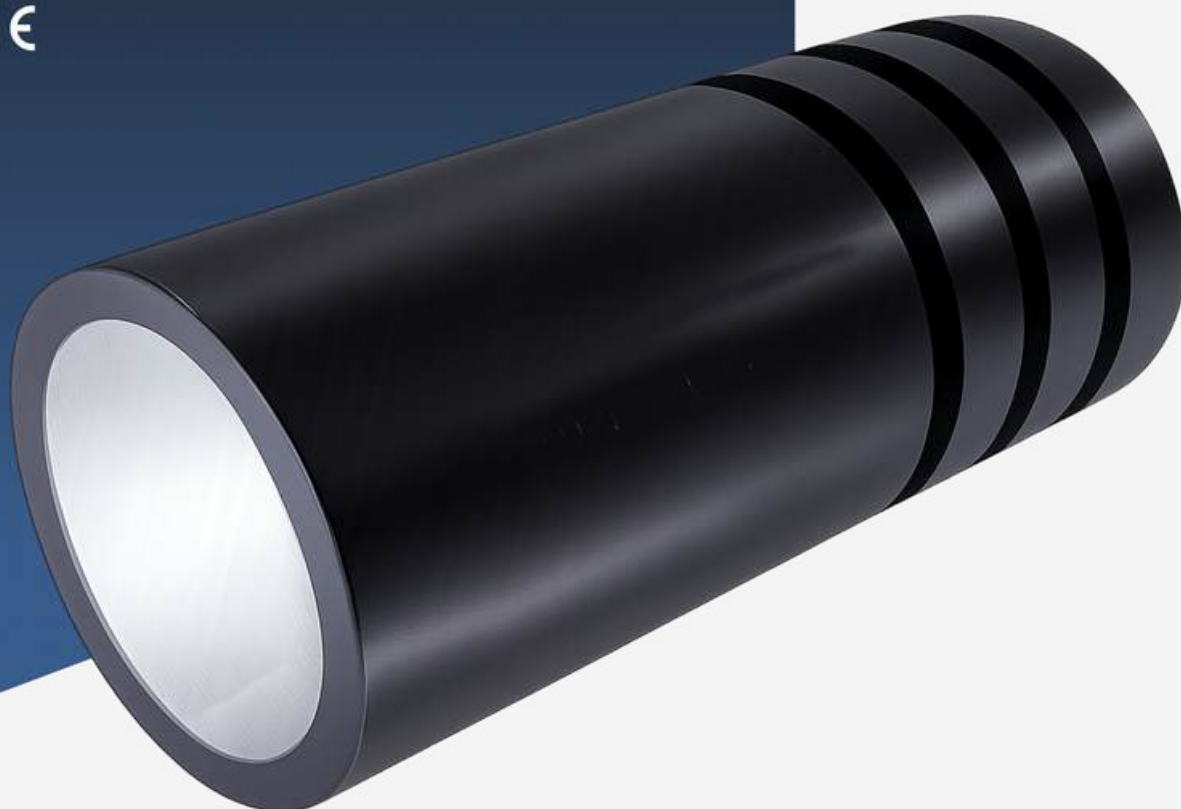


insert the common end in the light source and block it through the screw set on the light source



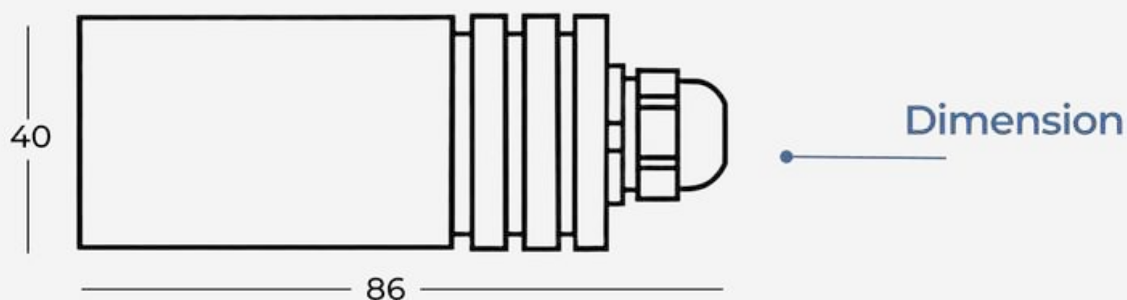
3W LED light source

"LWH-LED3+RF"



The Led light sources "Led LWH" Series are produced to be used with glass and pmma optical fibers. The "LWH" are available with three different white color temperatures: warm white 3000° k | natural white light 4000° k | cold white 5500° k.

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.



System components

COBB
FIBRE OTTICHE



Remote control functions

ON/OFF button: light on and off

Touch dimming ring: continuous adjustment of light intensity by touch

30s button (delayed off): automatic switch-off after 30 seconds

Preset brightness buttons (25% – 50% – 75% – 100%): quick selection of 4 preset brightness levels

SCENE 1 button: store and recall the first desired light intensity

SCENE 2 button: store and recall the second desired light intensity

RF wireless touch control: wireless control via RF technology

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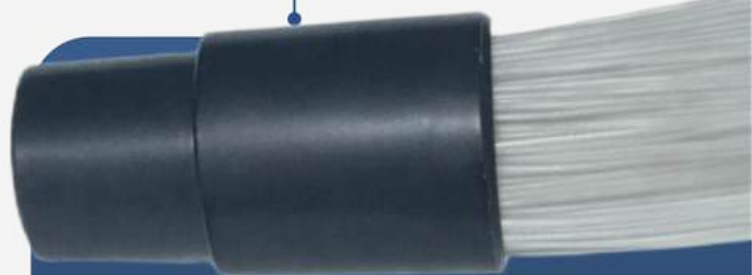
Technical specifications	Description
Led color	white
Power	3W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz (on request: 12V or 24V)

3W LED light source



common end

fibre optics bundle



Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator



9W WHITE LED LIGHT SOURCES



LED LIGHT SOURCE FOR GLASS AND PMMA OPTICAL FIBER

The LWH led light sources are available with three different white color temperatures:

warm white 3000° k

natural white light 4000° k

cold white 5500° k

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.

TECHNICAL FEATURES

9W white LED high power

Fanless cooling

Led lifespan 50.000 hours

IP54 protection (IP65 on request)

Supply voltage: 110-240V (on request 12-24VDC)



"LWH-LED9" SYSTEM : LED WHITE SOURCE WITH POWER SUPPLY



9W LED LIGHT SOURCE WITH R.F. REMOTE CONTROL "LWH-LED9+RF"



9W LED LIGHT SOURCE WITH R.F. REMOTE CONTROL "LWH-LED9+RF/PLUS"



9W LED LIGHT SOURCE WITH R.F. SMART CONTROL "LWH-LED9+RF/SMART"



"DALI-LWH/LED9" SYSTEM: LED WHITE SOURCE WITH POWER SUPPLY

9W LED light source

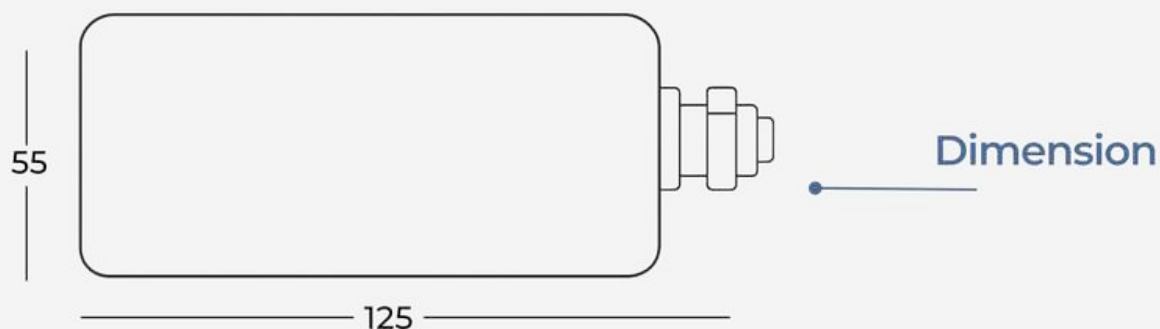
"LWH-LED9"
CE

COBB
FIBRE OTTICHE



The Led light sources LWH-LED9 series are produced to be used with glass and pmma optical fibres. The LWH-LED9 are available with three different white color temperatures: warm white 3000° k | natural white light 4000° k | cold white 5500° k.

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.



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System components

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9W white LED light source

Technical specifications

Description

Led color

white

Power

9W

Cooling

fanless cooling

Lifetime

50.000 hours

Standard connector input

30 mm

Protection rating (IP)

IP54 (IP65 on request)

Housing

delrin (POM)

Finish

black

Dimmable

yes

Power supply

110V-50/60Hz (on request:
12V or 24V)

9W LED light source

fiber optics bundle

common end

Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.



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9W LED light source

“LWH-LED9+RF”

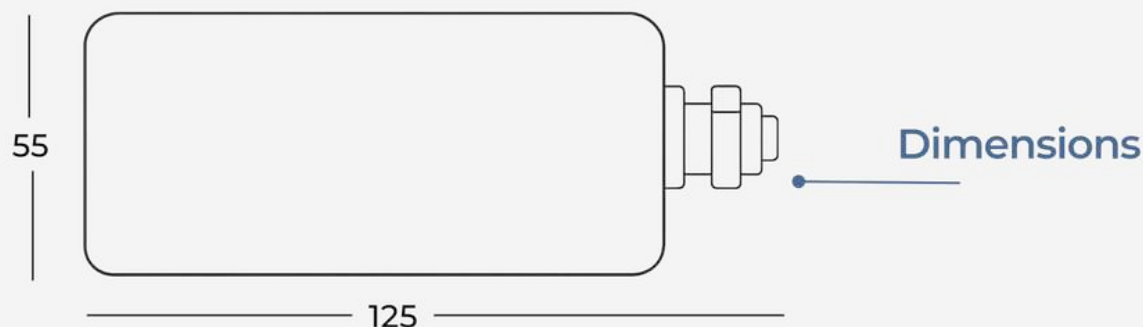
CE

COBB
FIBRE OTTICHE



The Led light sources “Led LWH” Series are produced to be used with glass and pmma optical fibers. The “LWH” are available with three different white color temperatures: warm white 3000° k | natural white light 4000° k | cold white 5500° k.

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.



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System components

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Remote control functions

ON/OFF button: light on and off

Touch dimming ring: continuous adjustment of light intensity by touch

30s button (delayed off): automatic switch-off after 30 seconds

Preset brightness buttons (25% – 50% – 75% – 100%): quick selection of 4 preset brightness levels

SCENE 1 button: store and recall the first desired light intensity

SCENE 2 button: store and recall the second desired light intensity

RF wireless touch control: wireless control via RF technology

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Technical specifications	Description
Led color	white
Power	9W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz (on request: 12V or 24V)

9W LED light source



fibre optics bundle

common end



Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator.



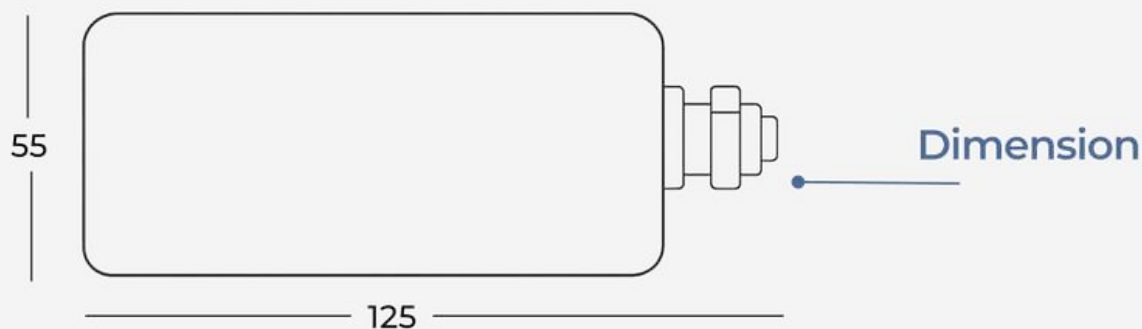
9W LED white light source

"LWH-LED9+RF/PLUS"



The Led light sources "Led LWH" Series are produced to be used with glass and pmma optical fibers. The "LWH" are available with three different white color temperatures: warm white 3000° k | natural white light 4000° k | cold white 5500° k.

The led white light sources are provided with a power supply to be connected directly to 110-240VAC.



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System components

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Remote control functions

ON/OFF button: power on and off the device

SET button: remote control pairing / setup

Program selection (M button): selection of available lighting programs

Light intensity ring: adjustment of light intensity by rotating the ring

W button (night light): activation of low-intensity night light

Brightness + (B+): increase brightness

Brightness - (B-): decrease brightness

Program speed + (S+): increase speed of lighting effects

Program speed - (S-): decrease speed of lighting effects

Zone button: control of different areas / zones via dedicated selection

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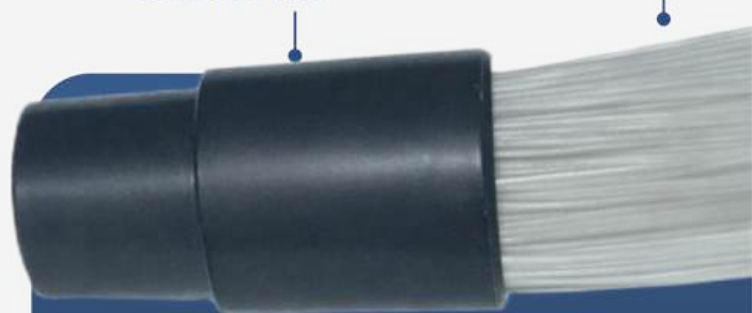
Technical specifications	Description
Led color	white
Power	9W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	230V-50/60Hz (on request: 12V or 24V)

9W LED light source



fibre optics bundle

common end



insert the common end in the light source and
block it through the screw set on the light source



9W LED white light source

"LWH-LED9+RF/PLUS"

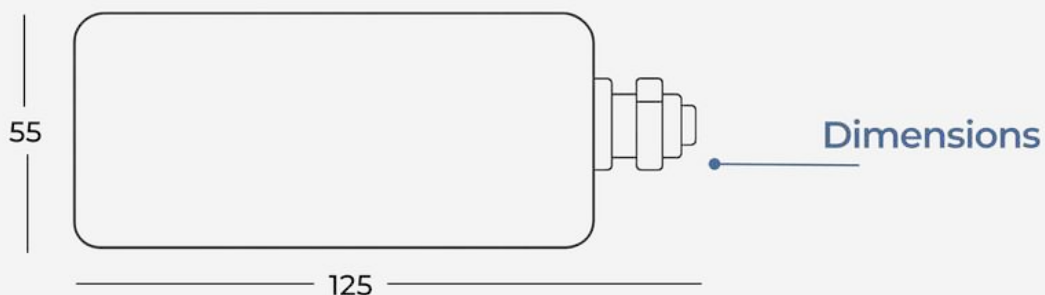
CE

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The led light sources in the "Led LWH" series are designed to be used with both glass optical fibers and synthetic optical fibers. The SMART version allows you to control the light color as follows:

- With the Tuya application, you can manage the lights from a smartphone or tablet, adjust the intensity, color, and programming.
- The "Intelligent Assistant Control" is compatible with Alexa and Google Assistant for voice control of the lights.
- It also includes a radio frequency touch remote for traditional control.
- It provides customized, practical, and efficient lighting for your home, office, wellness center, etc.
- It allows you to conveniently and intuitively control the lights with various control options.



System components

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Remote control functions

ON/OFF button: power on and off the device

SET button: remote control pairing / setup

Program selection (M button): selection of available lighting programs

Light intensity ring: adjustment of light intensity by rotating the ring

W button (night light): activation of low-intensity night light

Brightness + (B+): increase brightness

Brightness - (B-): decrease brightness

Program speed + (S+): increase speed of lighting effects

Program speed - (S-): decrease speed of lighting effects

Zone button: control of different areas / zones via dedicated selection

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Technical specifications	Description
Led color	white
Power	9W
Cooling	fanless cooling
Lifetime	50.000 hours
Standard connector input	30 mm
Protection rating (IP)	IP54 (IP65 on request)
Housing	delrin (POM)
Finish	black
Dimmable	yes
Power supply	110-240VAC/50-60Hz (on request: 12-24VDC)

9W LED light source



Insert the standard connector into the illuminator and secure it using the screw located on top of the illuminator



common end

fibre optics bundle

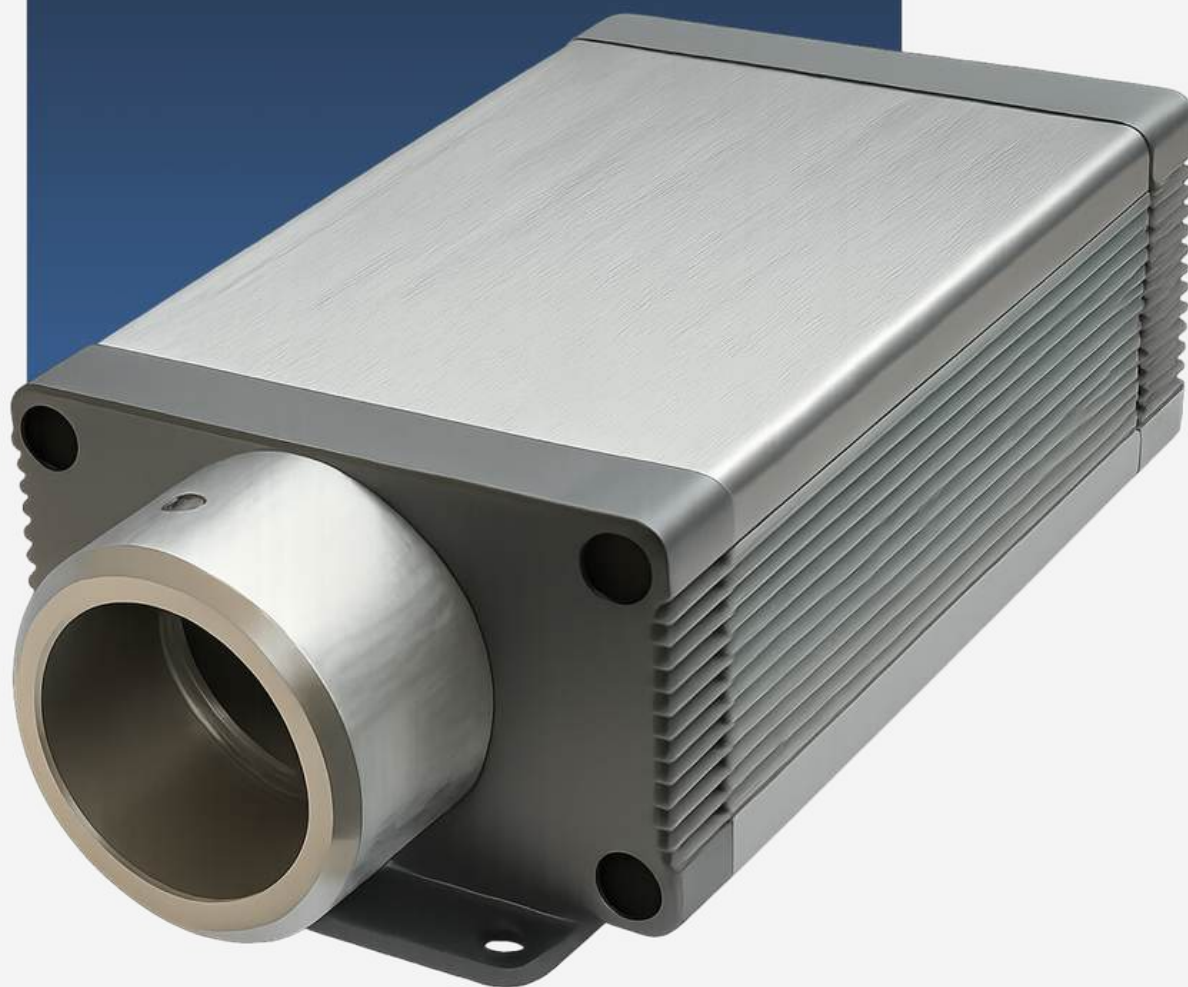




12W white LED light source

COBB
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“LWH-LED12-DIN”



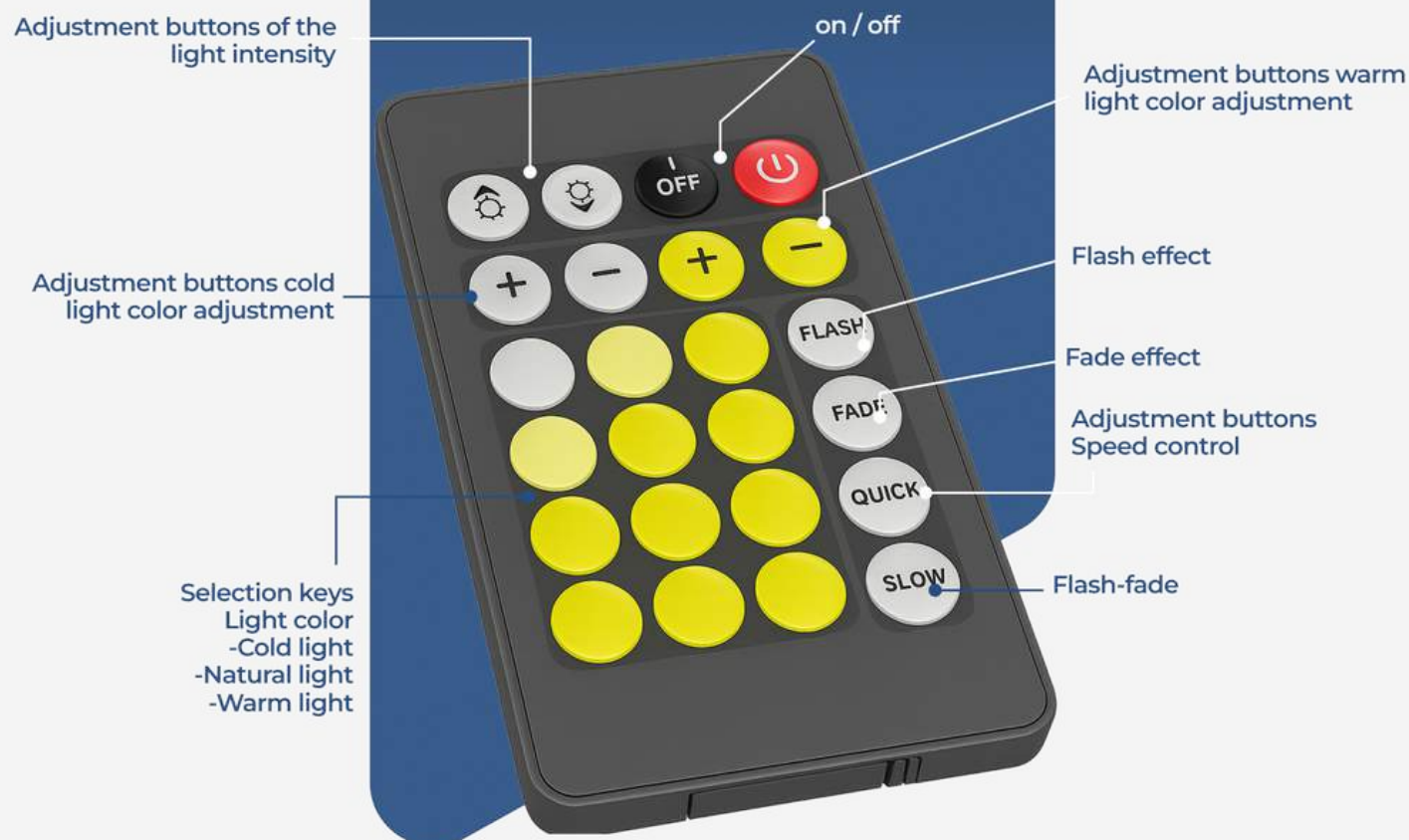
The illuminators of the “LED LWH” series are produced for use with both optical glass fibers and synthetic optical fibers.

The “LWH-LED12-DIN” tunable white light sources are available with an adjustable color temperature from 3000 K to 6000 K, via radio frequency remote control. The illuminators are supplied with a suitable power supply to be connected directly to the 100–240 VAC mains power supply.

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RF REMOTE CONTROL FUNCTIONS



Technical specifications	Description
LED color	white light: from 3000°K to 6000°K
Power	12W
Cooling	Fanless cooling (fanless)
Lifespan	50.000 hours
Common connector input	30 mm
Protection rating	IP40
Body	delrin (POM)
Finish	black
Dimmable	yes
Power supply	100-240VAC / 50-60Hz (Power supply 12-24VDC on request)

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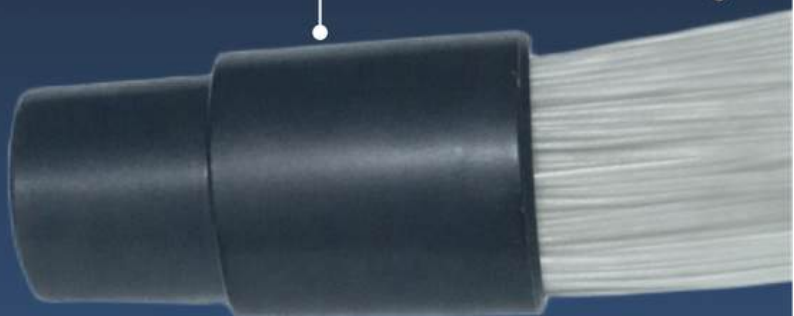
Fiber optics bundle connection

12W LED light source



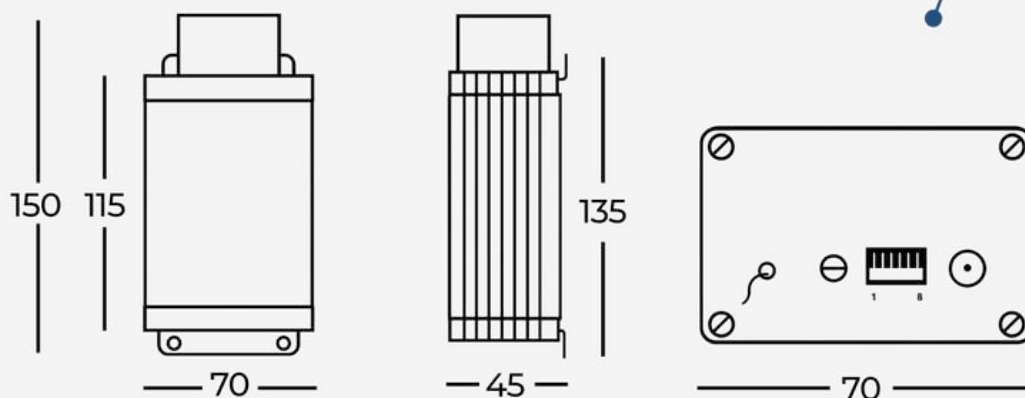
fiber optics bundle

common end



insert the common end in the light source and lock it through the screw set on the led light source

Dimensions



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10W LED light source with twinkle effect

"LWH-LED10-TW"

CE

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A very efficient 10W light source, designed for use with optical fibers, based on LED technology.

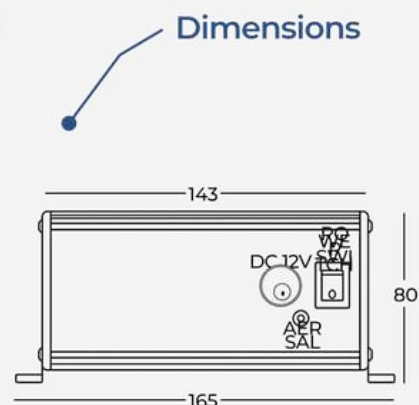
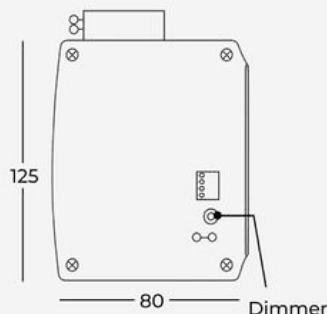
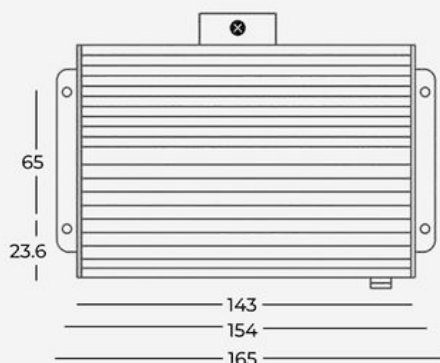
Extremely high power makes this light source suitable for scenographic lighting tasks with a sparkle effect for the realization of starry skies.

The LWH-LED10-TW illuminator is equipped with a suitable power supply to be connected directly to the 100–240 V mains power supply. Illuminator with control via DIP switch and RF remote control. With a Ø 30 mm input connector, this light source is ideal for new projects, for retrofit, or for existing fiber optic installations.

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Technical features	Description
LED Power	10W
Led	warm white 3000°K, natural 4000°K, cold 6000°K
Power supply	100-240 VAC 50/60Hz
LED life (hours)	50.000 hours
Common connector inlet	30 mm
Minimum working room temperature	-10°C
Maximum working ambient temperature	+45°C
Light control and twinkle effect	DIP Switch or rf remote control
Illuminator body	grey painted aluminum



Control via DIP switch		
PRO. NR.	DIP SWITCH (1=ON / 0=OFF)	FUNCTIONS
	6 5 4 3 2 1	
00	0 0 0 0 0 0	Motor stopped, Led working
01	1 0 0 0 0 1	Wheel Speed: 6 RPM
02	1 0 0 0 1 0	Wheel Speed: 4 RPM
03	1 0 0 0 1 1	Wheel Speed: 3 RPM
04	1 0 0 1 0 0	Wheel Speed: 2 RPM
05	1 0 0 1 0 1	Wheel Speed: 1.5 RPM
06	1 0 0 1 1 0	Wheel Speed: 1 RPM
07	1 0 0 1 1 1	Wheel Speed: 0.5 RPM

Note : RPM is the wheel speed per minute

CONTROL WITH RADIO FREQUENCY REMOTE CONTROL

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**RF Remote
control**



In control mode by radio frequency remote control, in addition to switching on and off, we can adjust the intensity of the light (6 intensity levels).

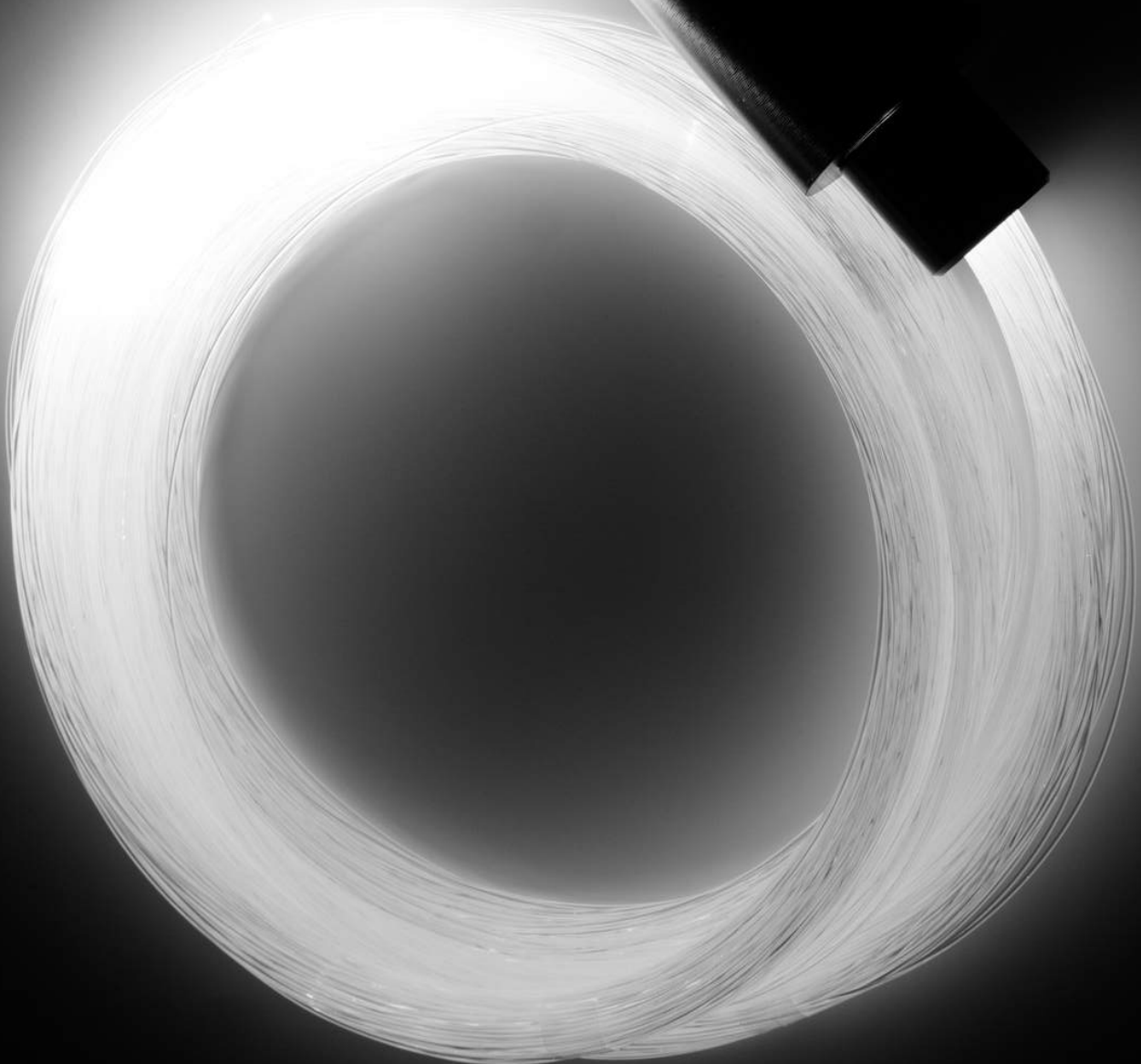
If you want to have different wheel speeds, please use the DIP switch.

The radio frequency remote control allows you to control the illuminator even from a room adjacent to the illuminator positioning point.

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25W LED light source with twinkle effect

“LWH-LED25-TW”

CE

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A very powerful 25W light source, designed for use with optical fibers, based on LED technology. Extremely high power makes this light source suitable for scenographic lighting tasks with glitter effect for the realization of starry skies.

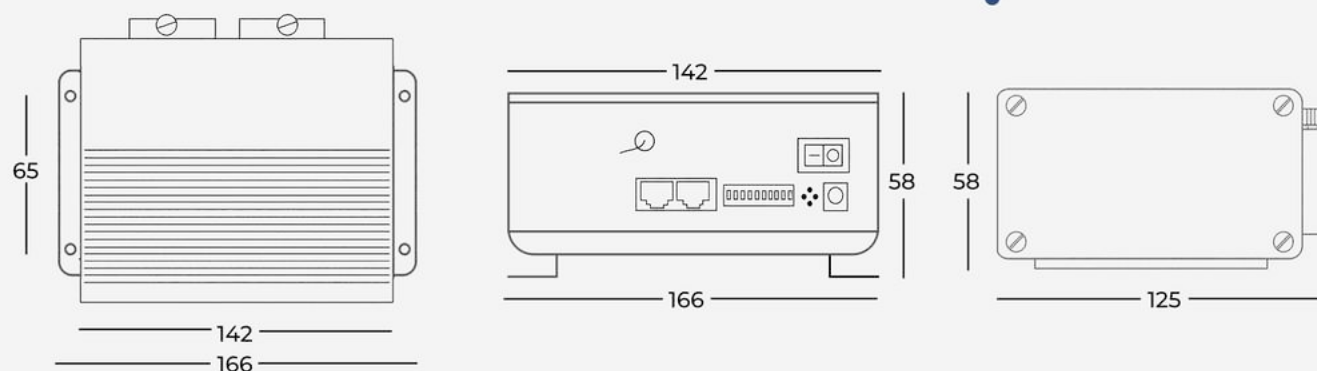
The LWH-LED25-TW illuminator is equipped with an adequate power supply to be connected directly to the 100–240V mains power supply. Illuminator controlled by RF remote control or DMX512 signal. With a 25 mm diameter input connector, this light source is ideal for new projects, for retrofit, or for existing fiber optic installations.

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Technical features	Description
Power Led	25W
Led	Warm white 3000°K or cold 6000°K
Power Supply	100-240 VAC 50/60Hz
Led life (hours)	50.000 hours
Common connector inlet	2 connectors with a 25 mm diameter
Minimum working ambient temperature	-10°C
Maximum working ambient temperature	+45°C
Light and twinkling effect control	Radio frequency remote control, smartphone app, or DMX512 signal
Illuminator body	Black black painted aluminum

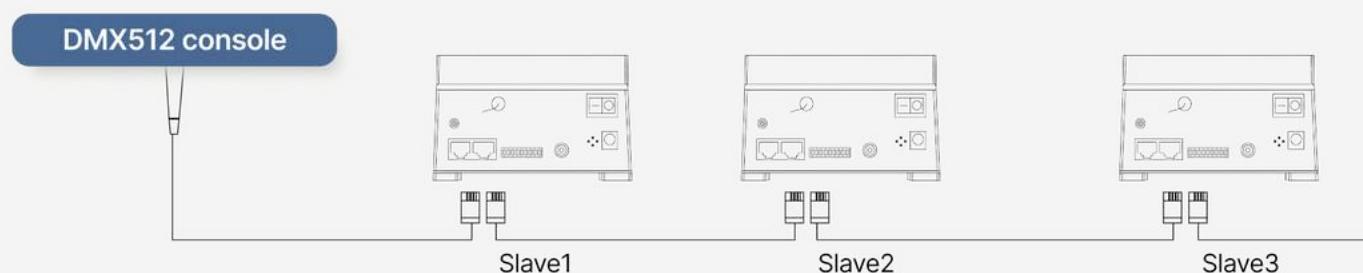
DIMENSIONS



In control mode via radio frequency remote control, in addition to switching on and off, we can adjust the intensity of the light. The radio frequency remote control allows you to control the LED light source even from a room adjacent to the positioning point of the light source.

Several LWH-LED025-TW LED light sources can be connected to each other, allowing the synchronization of the light intensity and the speed of the twinkling effect, useful in the case of large rooms for which the presence of more light sources is required, which will be controllable with a single remote control.

CONTROL IN DMX 512 SIGNAL MODE



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40W LED RGB+W light source

"LRGBW-LED40"

CE

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LED light sources of the LRGBW series are specifically produced for glass and synthetic fiber optics.

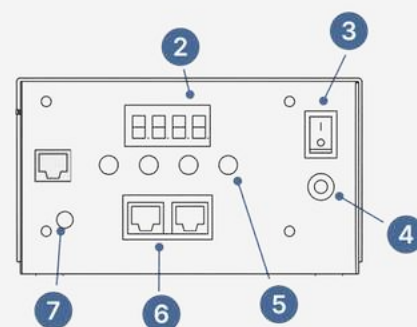
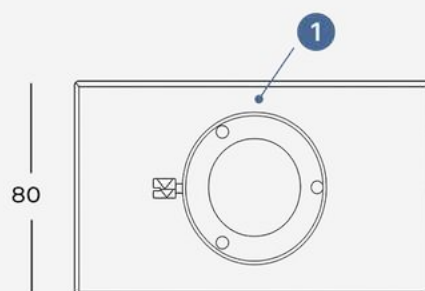
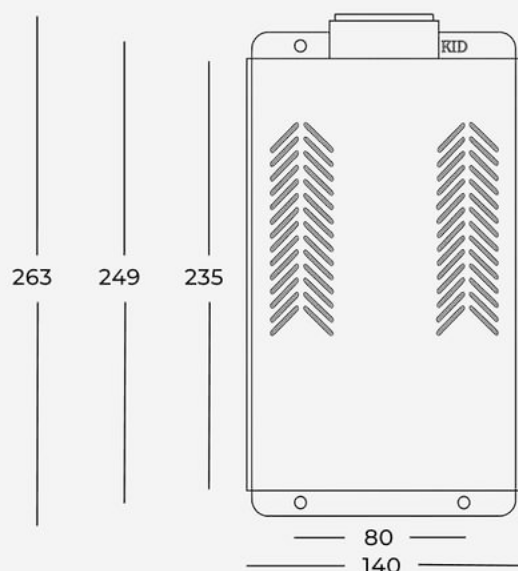
LED light sources allow control of the color of the emitted light and the speed of color rotation, creating lighting effects via RF remote control or via DMX512. LED light sources are designed, thanks to the integrated electronics, for the connection of an unlimited number of LED light sources, maintaining color synchronization.

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Technical Features	Description
Led Power	40W (RGB) + 10W (WHITE)
Led	RGB+W (red, green, blue + white)
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	30 mm
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light Control	R.F. remote control or DMX512
Led Source Material	black powdercoat aluminum

- Common end input 1
- Digital display 2
- Power switch 3
- Power corde 4
- Function adjustment buttons 5
- DMX input/output 6
- Remote antenna 7



PRO. NO.	FUNCTION	PRO. NO.	FUNCTION	PRO. NO.	FUNCTION
P.00	no Light	P.08	7 colors skip	P.16	7 colors skip and chase
P.01	white	P.09	6 colors skip	P.17	6 colors skip and chase
P.02	red	P.10	3 colors skip	P.18	3 colors skip and chase
P.03	green	P.11	7 colors fade	P.19	7 colors fade and chase
P.04	blue	P.12	6 colors fade	P.20	6 colors fade and chase
P.05	purple	P.13	3 colors fade	P.21	3 colors fade and chase
P.06	yellow	P.14	7 colors skip + 7 colors fade		
P.07	sky-B	P.15	6 colors skip + 6 colors fade		

RF REMOTE CONTROL FUNCTIONS



In control mode via remote control, you can select individual colors: red, green, blue, purple, etc. The white color is created by a special white LED chip and not by the combination of the three RGB colors (red, green, and blue), so you get a perfectly white and pure color.

Each color, in fixed mode, is dimmable. There are 21 programs with different settings and color effects. For each setting, you can adjust the color rotation speed. The radio frequency remote control allows you to control the light source even from a room adjoining the illuminator positioning point.

Multiple LRGBW illuminators can be connected to one another, allowing color synchronization, useful in the case of large environments, for which the presence of multiple illuminators is required, which will be controllable with a single remote control.

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20W white LED light source with sparkle effect

“LWH-LED20-TW”

CE

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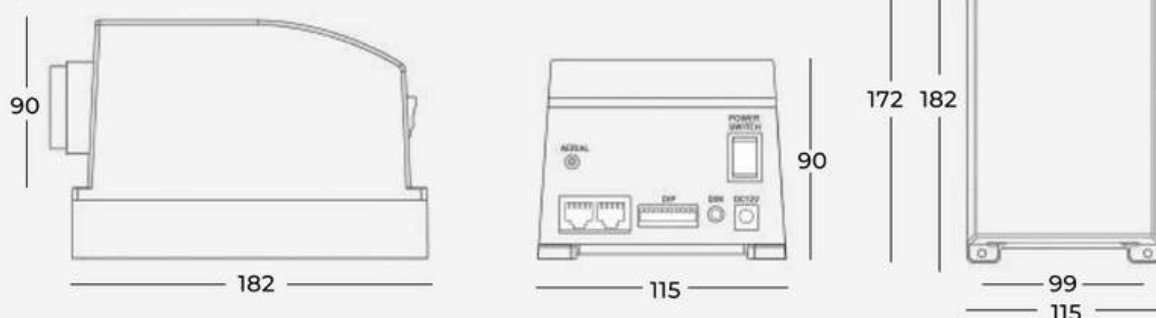
A very powerful 20W light source, designed for use with optical fibers, based on LED technology. Extremely high power makes this light source suitable for scenographic lighting tasks with glitter effect for the realization of starry skies. The LWH-LED20-TW illuminator is equipped with an adequate power supply to be connected directly to the 100–240 V mains power supply. Illuminator controlled by RF remote control or DMX512 signal. With a 30 mm diameter input connector, this light source is ideal for new projects, for retrofitting, or for existing fiber optic installations.

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Technical Features	Description
Led Power	20W
Led	warm white 3000°K or cold 6000°K
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	30 mm
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light Control	radio frequency remote control or DMX512 signal
Led Source Material	black powdercoat aluminum

DIMENSIONS

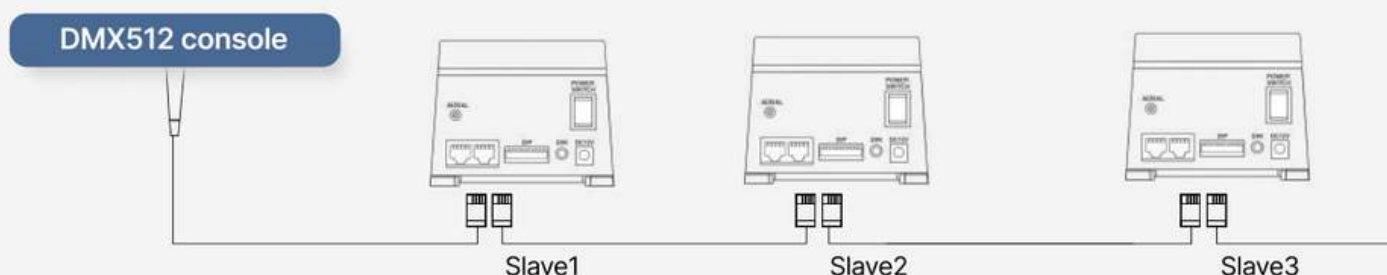


In control mode via radio frequency remote control, in addition to switching on and off, we can adjust the intensity of the light.

The radio frequency remote control allows you to control the LED light source even from a room adjacent to the positioning point of the light source.

Several LWH-LED020-TW LED light sources can be connected to each other, allowing the synchronization of the light intensity and the speed of the twinkling effect, useful in the case of large rooms for which the presence of more light sources is required, which will be controllable with a single remote control.

CONTROL IN DMX 512 SIGNAL MODE



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30W LED light source with twinkle effect

“LRGBW-LED30-TW”

CE

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A very powerful 30W light source, designed for use with optical fibers, based on LED technology. Its extremely high power makes this light source suitable for scenic lighting tasks with a twinkling effect for creating starry skies.

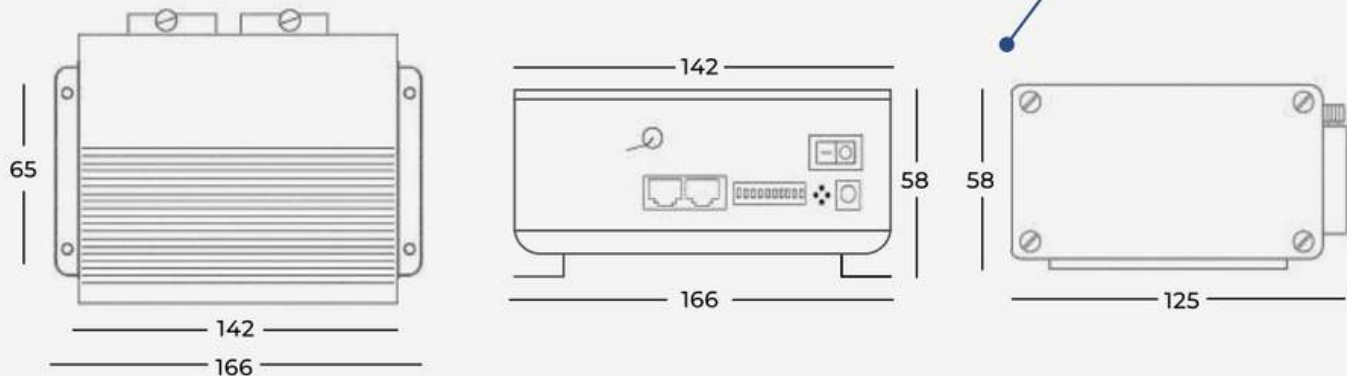
The “LRGBW-LED30-TW” illuminator is equipped with an appropriate power supply to be connected directly to the 100–240 V mains power supply.

The illuminator can be controlled via RF remote control, smartphone app, or DMX512 signal. With two 25 mm diameter input connectors, this light source is ideal for new projects, starry skies, retrofitting, or existing fiber optic installations.

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Technical Features	Description
Led Power	30W
Led	RGB+W (red, green, blue and white)
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	2 connectors with a 25 mm diameter
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light control and twinkle effect	radio remote control, smartphone app or DMX512 signal
Led Source Material	black anodized aluminum

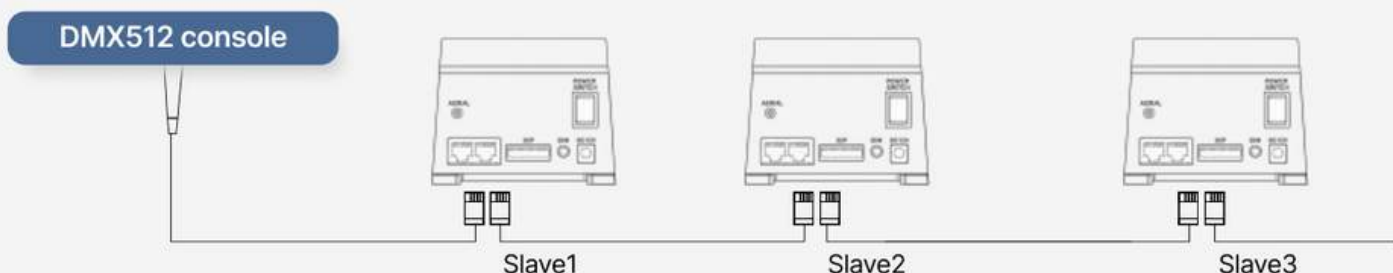


Control with smartphone app and RF remote control:

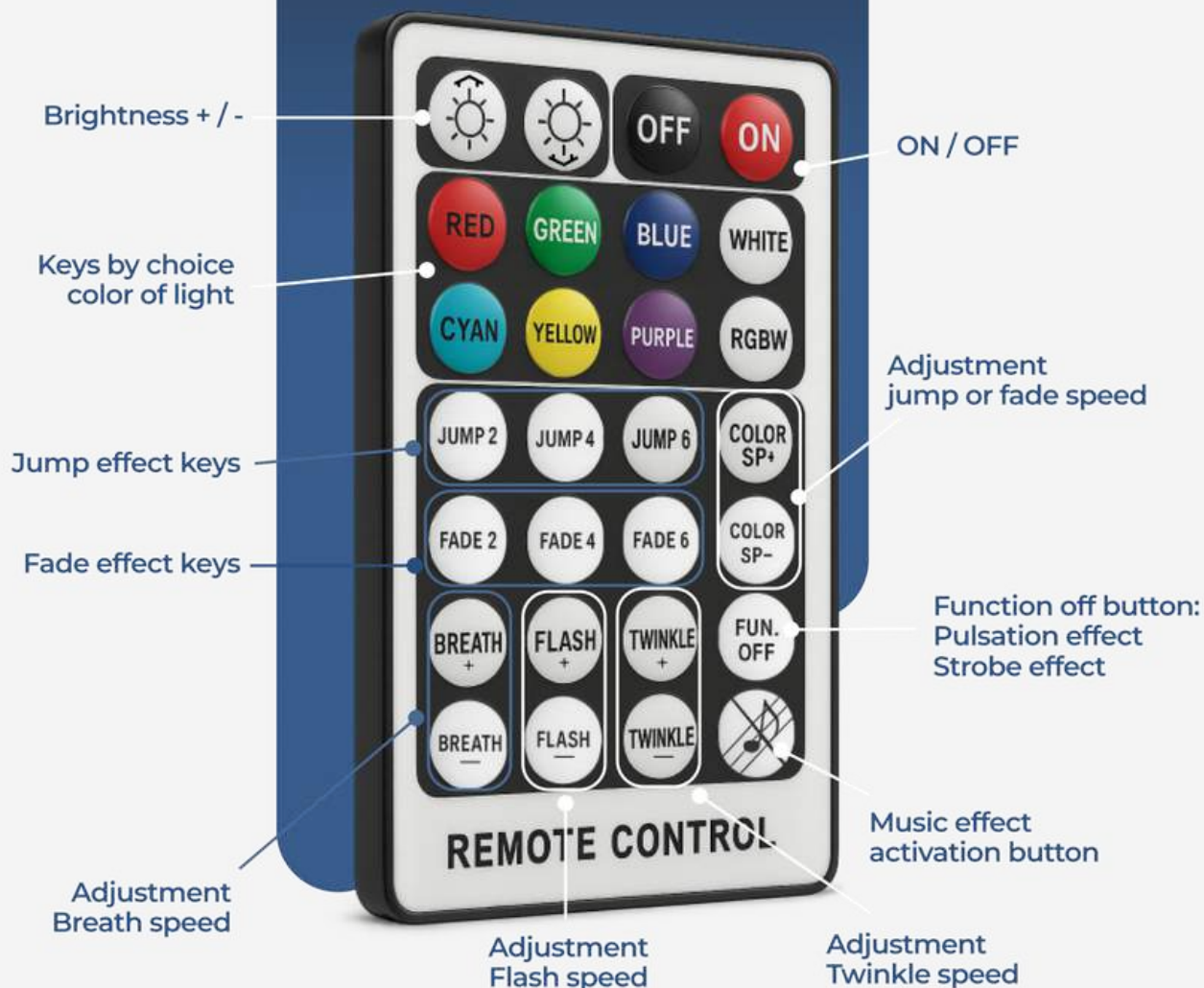
For operation with the app on a smartphone, please scan the QR code on the back of the illuminator.

Multiple “LRGBW-LED30-TW” illuminators can be connected to each other, allowing synchronization of light intensity and the speed of the twinkling effect, which is useful for large spaces where multiple illuminators are needed. These can be controlled with a single remote control.

CONTROL IN DMX 512 SIGNAL MODE



FUNCTIONS RF REMOTE CONTROL KEYS



Position DIP switches for mode operation RF remote control

In control mode via radio frequency remote control or app, in addition to turning the lights on and off, we can control RGB+W colors, create various lighting scenes, and adjust the speed of the twinkling effect.

The radio frequency remote control allows you to control the illuminator even from a room adjacent to the illuminator positioning point.

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30W white LED light source

“LWH-LED30”

CE

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A very powerful light source designed for use with glass and PMMA optical fibers, based on LED technology. Its extremely high lighting power makes this light source suitable for multiple lighting tasks in which halogen units have traditionally been used. The light source LWH-LED30 is equipped with a suitable power supply to be connected to the 100–240V mains supply, with lighting control by RF remote control and DMX512.

With a 30 mm diameter input connector, this light source is ideal for new projects where very high lighting power is required, or for use with side-lighting fiber optics.

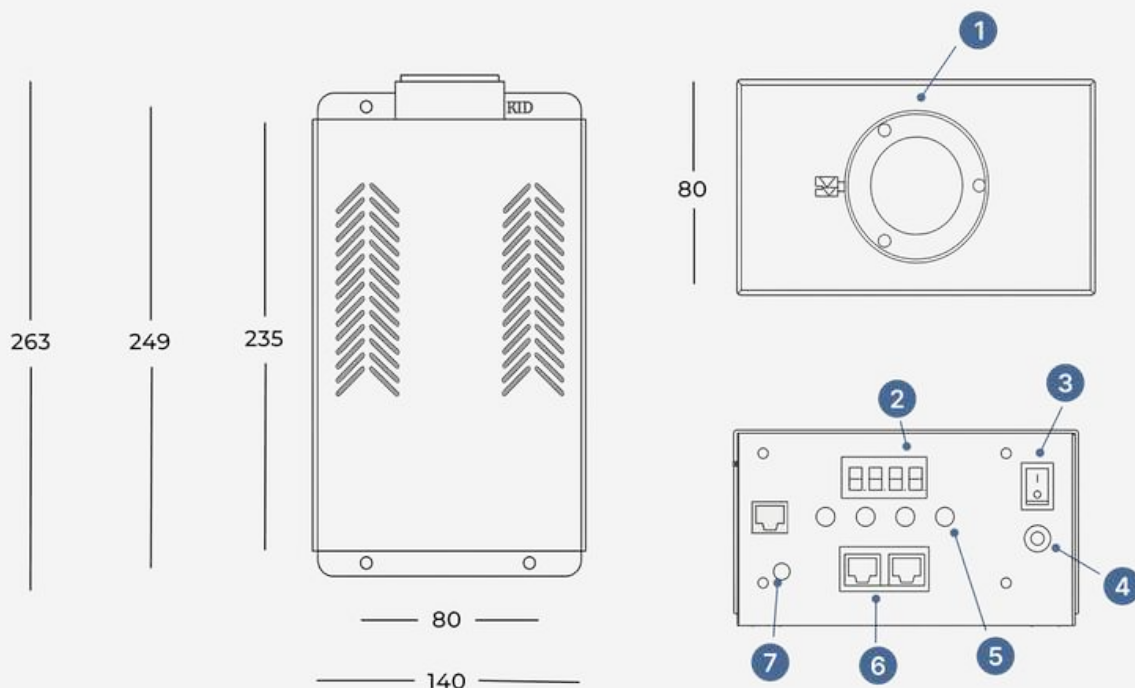
The LWH-LED30 LED light source is suitable for the realization of fiber optic starry skies, illumination of museum display cases, shop windows, etc.

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Technical Features	Description
Led Power	30W
Led	warm white 3000 K, natural white 4000 K, and cool white 5500 K
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	30 mm
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light Control	R.F. remote control or DMX512
Led Source Material	black powdercoat aluminum

- 1 Common end input
- 2 Digital display
- 3 Power switch
- 4 Power corde
- 5 Function adjustment buttons
- 6 DMX input/output
- 7 Remote antenna



REMOTE CONTROL FUNCTIONS

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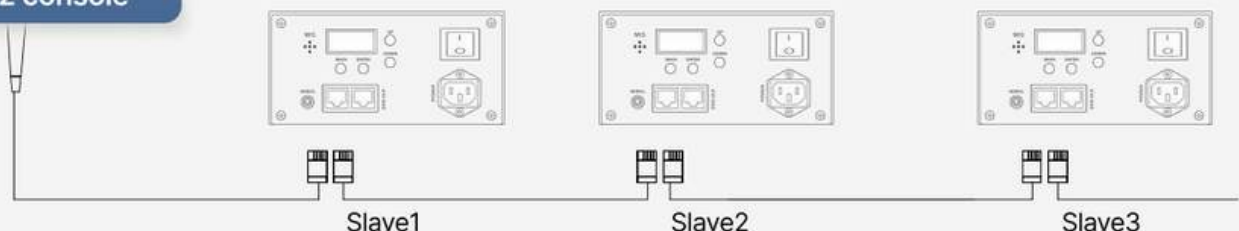
In control mode by radio frequency remote control, besides switching it on and off, we can adjust the intensity of the light.

The radio frequency remote control allows you to control the LED light source even from a room adjacent to the light source's positioning point.

Multiple LWH-LED30 LED light sources can be connected to each other, allowing the synchronization of the light intensity, useful in the case of large environments, for which the presence of multiple light sources is required, which will be controllable with a single remote control.

DMX 512 SIGNAL CONTROL MODE

DMX512 console



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60W LED RGB+W light source with sparkle effect

"LRGBW-LED60-TW"



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A very powerful 60W light source, designed for use with optical fibers, based on LED technology. Extremely high power makes this light source suitable for scenic lighting tasks with a glitter effect for the realization of starry skies. The "LRGBW-LED60-TW" illuminator is equipped with a suitable power supply to be connected directly to the 100–240V mains power supply. Illuminator with control by RF remote control, DMX512 signal, or app. With a 30mm diameter input connector, this light source is ideal for new projects, for retrofitting, or for existing fiber optic installations.

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Technical Features	Description
Led Power	60W
Led	RGB+W (red, green, blue and white)
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	30 mm
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light Control	radio frequency remote control, DMX512 signal and via APP (Android or IOS)
Led Source Material	grey or black painted aluminum

Control in DMX signal mode 512

Connection diagram in DMX signal control mode 512 (master-slave)

.Connection diagram of Slave light engines when there is a DMX console or controller.



For app and remote control operation

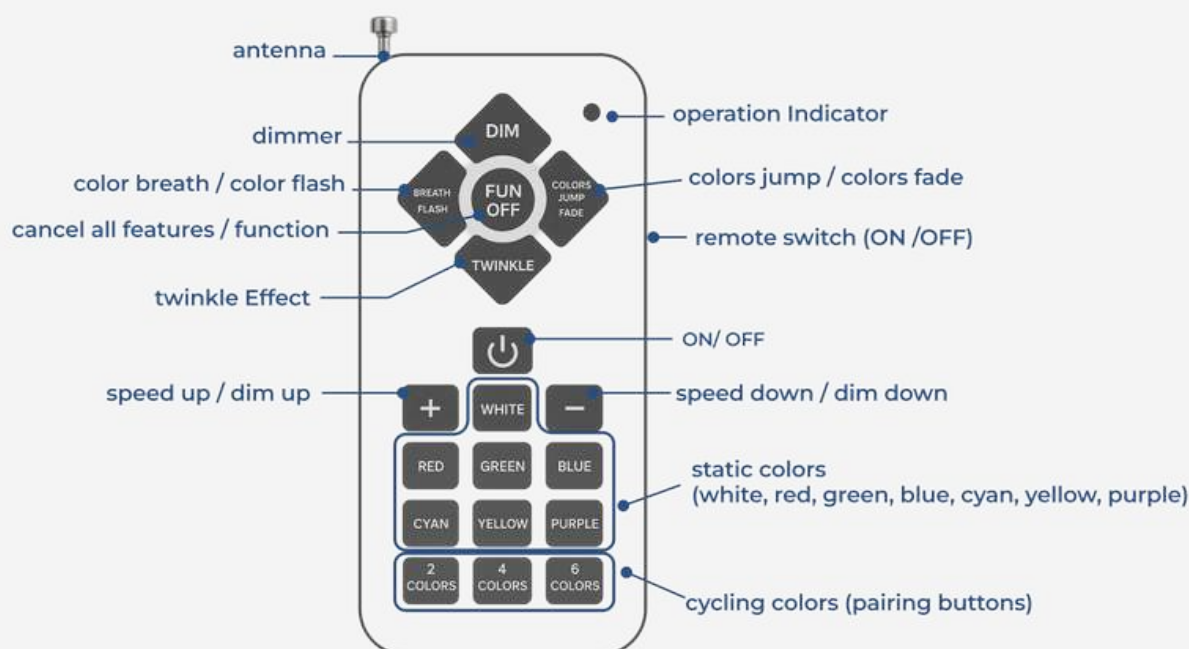
.Connection diagram of light engines in Master and Slave Control Mode.



Radio frequency remote control

In control mode by radio frequency remote control, in addition to switching on and off, we can adjust the intensity of the light. The radio frequency remote control allows you to control the illuminator even from a room adjacent to the positioning point of the illuminator.

Multiple “LRGBW-LED60-TW” illuminators can be connected to each other, allowing synchronization of the light intensity and the speed of the glitter effect, useful in the case of large environments for which the presence of multiple illuminators is required, which will be controllable with a single remote control.



Control with mobile app

On the cover of the user manual, there are QR codes to download the corresponding mobile app. After downloading, make sure that the **BLE*** setting on the illuminator is “ON”.

Then connect the light engine to the app and operate it.

For specific connection steps and operating methods, please refer to the app instruction manual.



Apple Store



Google Play

* The BLE mode indicated in the manual refers to Bluetooth Low Energy, a low-power wireless communication technology designed for data transmission over short distances.

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90W white LED light source

"LWH-LED90"

CE

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A very powerful light source designed for use with glass and PMMA optical fibers, based on LED technology. Its extremely high lighting power makes this light source suitable for multiple lighting tasks in which metal halide units have traditionally been used.

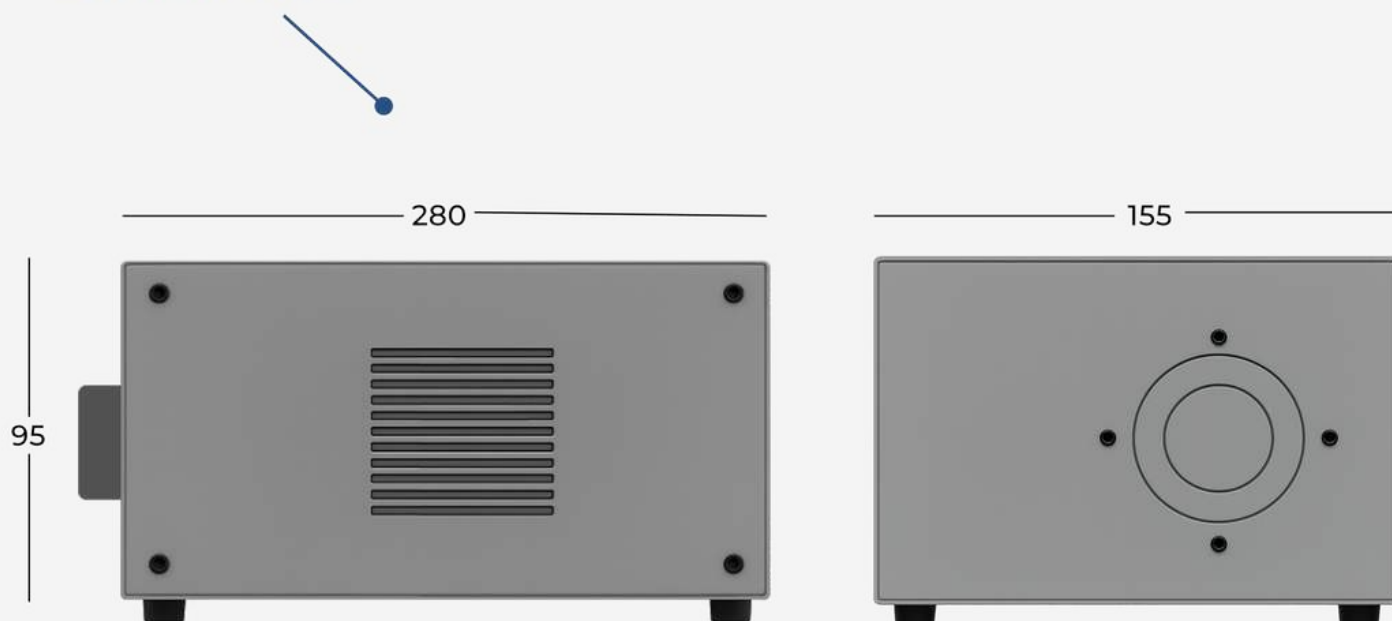
Silent in operation, the LWH-LED90 emits light similar to that of a 150W metal halide lamp. The LWH-LED90 has an integrated dimmer with manual adjustment and is also controllable via DMX512.

With a 30mm diameter input connector, this light source is ideal for new projects where very high lighting power is required, or for use with side-lighting fiber optics.

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Dimensions



Technical features

Description

Power Led

over 90W

Led

warm 3.000°K, natural 4.000°K, cold 5500°K

Power Supply

100-240 VAC 50/60Hz

Led life (hours)

50.000 hours

Common connector inlet

30 mm

Min Ambient Temperature

-10°C

Max Ambient Temperature

+45°C

Light control

manual control / DMX / 0-10V

Led source material

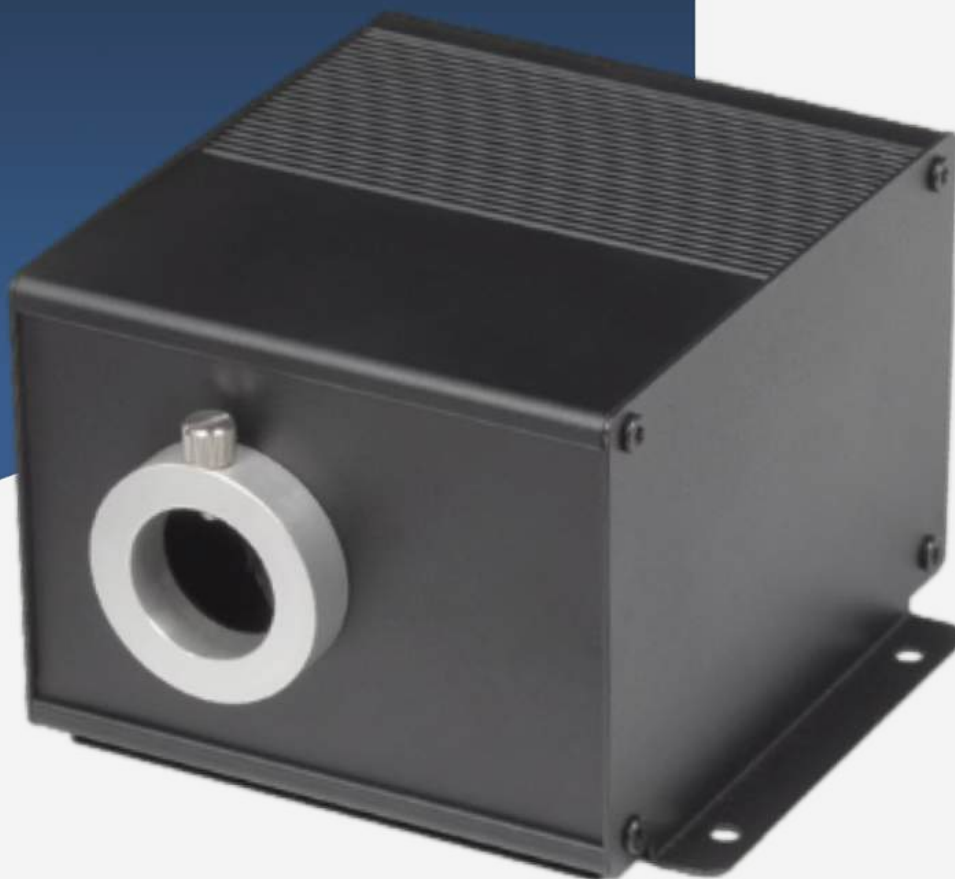
gray powdercoat aluminum

15W LED light source with twinkle effect

“LRGBW-LED15-TW”

CE

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A very powerful 15W light source, designed for use with optical fibers, based on LED technology. Its extremely high power makes this light source suitable for scenic lighting tasks with a twinkling effect for creating starry skies.

The “LRGBW-LED15-TW” illuminator is equipped with an appropriate power supply to be connected directly to the 100–240 V mains power supply.

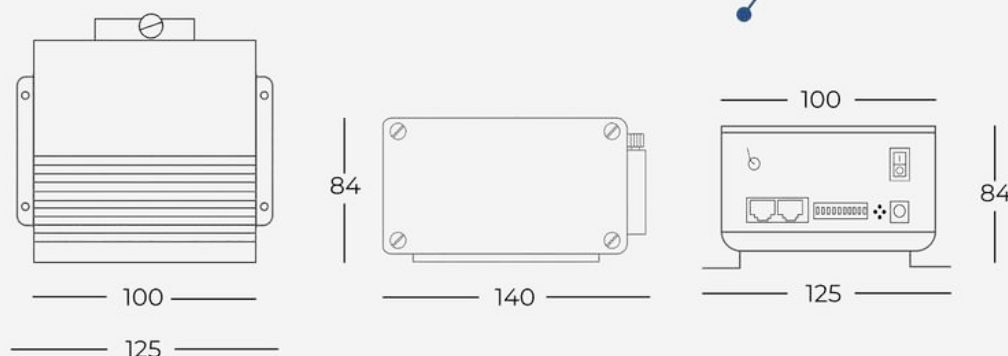
The illuminator can be controlled via RF remote control, smartphone app, or DMX512 signal. Equipped with one 30 mm diameter input connector, this light source is ideal for new projects, starry sky installations, retrofitting applications, or existing fiber optic systems.

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Technical Features	Description
Led Power	15W
Led	RGB+W (red, green, blue and white)
Power Supply	100-240 VAC 50/60Hz
Led Lifespan	50.000 hours
Common connector inlet	30 mm
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Light control and twinkle effect	radio remote control, smartphone app or DMX512 signal
Led Source Material	black anodized aluminum

DIMENSIONS

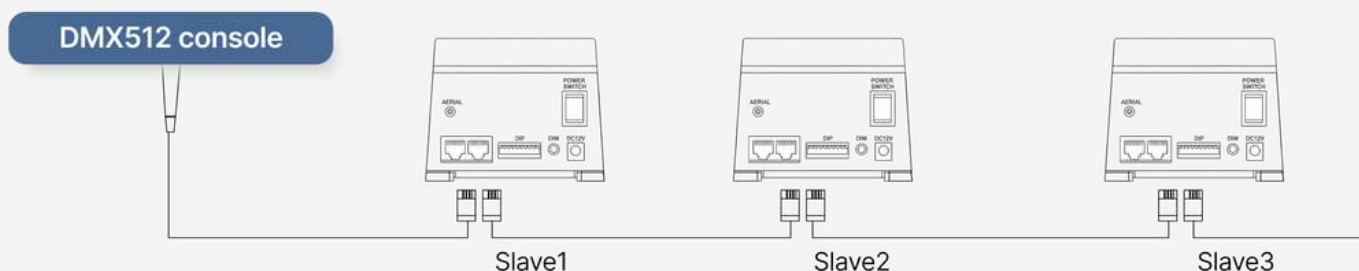


Control with smartphone app and RF remote control:

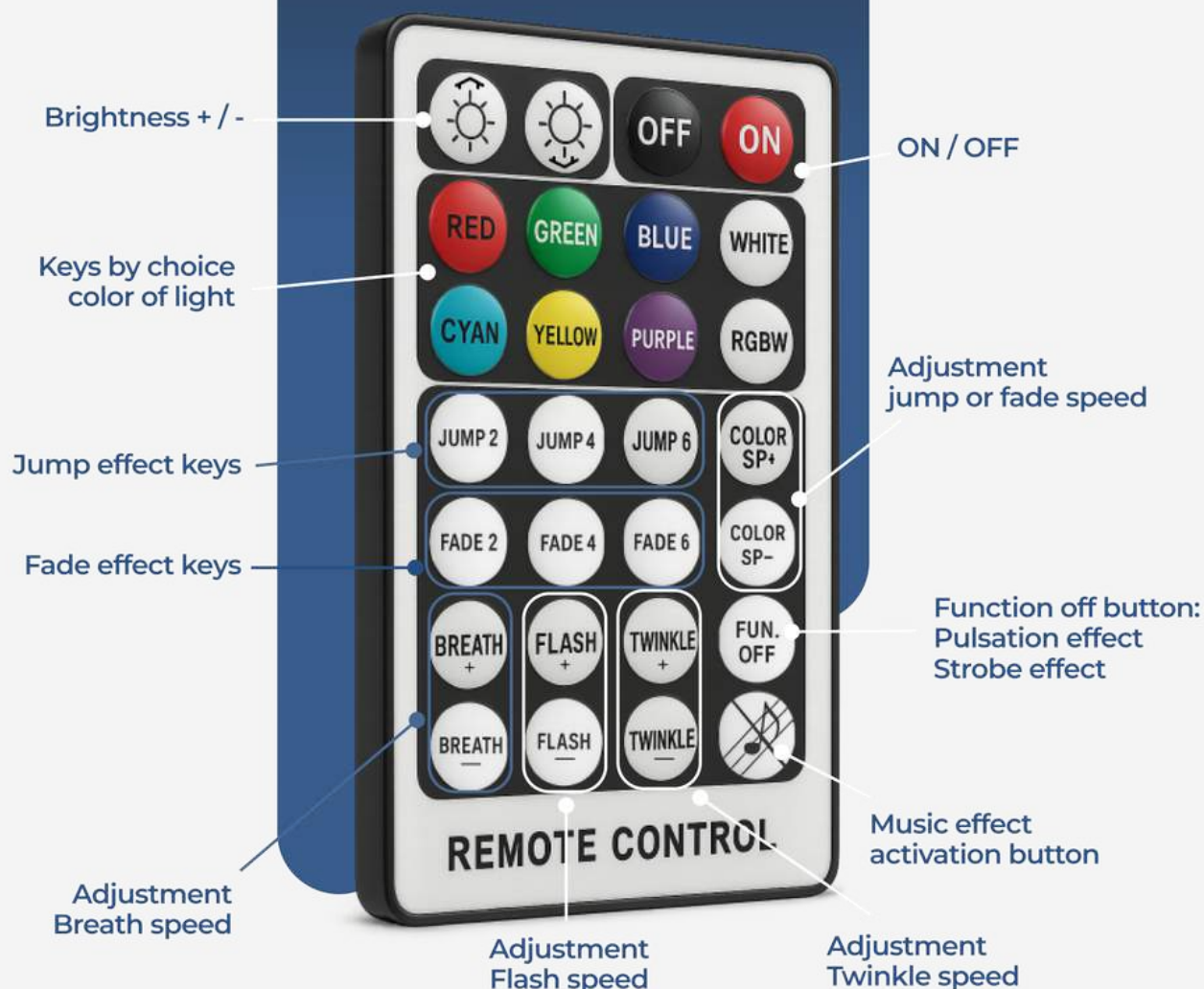
For operation with the app on a smartphone, please scan the QR code on the back of the illuminator.

Multiple “LRGBW-LED15-TW” illuminators can be connected to each other, allowing synchronization of light intensity and the speed of the twinkling effect, which is useful for large spaces where multiple illuminators are needed. These can be controlled with a single remote control.

CONTROL IN DMX 512 SIGNAL MODE



FUNCTIONS RF REMOTE CONTROL KEYS



Position DIP switches for mode operation
RF remote control

In control mode via radio frequency remote control or app, in addition to turning the lights on and off, we can control RGB+W colors, create various lighting scenes, and adjust the speed of the twinkling effect.

The radio frequency remote control allows you to control the illuminator even from a room adjacent to the illuminator positioning point.



Halogen light source

“LA-VR/SN”

CE

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The LA series sources are produced specifically for use with glass optical fibers (VR version) and synthetic fibers (SN version). The halogen light sources are supplied complete with the relative halogen lamp, whose focusing is performed at the factory by Cobb Fiber Optics in order to obtain the maximum concentration of the luminous flux at the joint connector point. The LA sources can be equipped with a gear motor with a wheel composed of colored dichroic filters to make the light change color. On request, a special switch allows you to lock the rotation of the wheel and choose to keep a fixed color (white, red, green, blue, yellow, magenta).

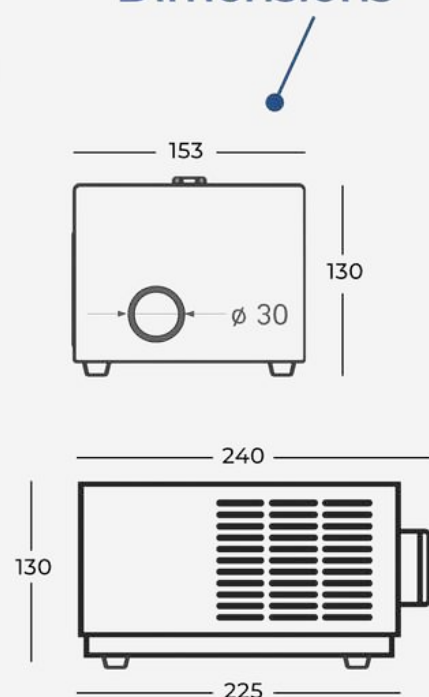
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Technical Features	Description
Power	50W - 100W - 150W
Color Temperature	3000°K
Cooling	silenced fan
Common connector inlet	30 mm
IP Protection	IP20
Lamp Lifespan (hours)	50W: 4000 h - 100W: 1500 h - 150W: 150 h
Change color	wheel with 6 colors (white, red, green, blue, yellow, magenta)
Power supply	220-240 VAC 50/60Hz

Code	Description	Optional Accessories
LA-50VR	50W-12V halogen bulb for glass fiber optics	A B C D
LA-50SN	50W-12V halogen bulb for synthetic optical fibers	A B C D
LA-100VR	100W-12V halogen bulb for glass fiber optics	A B C D
LA-100SN	100W-12V halogen bulb for synthetic optical fibers	A B C D
LA-150VR	150W-21V halogen bulb for glass fiber optics	A B C D
LA-150SN	150W-21V halogen bulb for synthetic optical fibers	A B C D

Dimensions



Options

A) Predisposition for connection to dimmer.

Cod. SN-A

B) Gear motor with color-changing rotating wheel (No. 6 colors: red, green, yellow, blue, magenta, white).

Cod. SN-B

C) Gear motor with rotating star effect wheel (pulsating, sparkling effect).

Cod. SN-C

D) Predisposition for color change wheel rotation lock: It allows the rotation of the wheel to block the rotation through an ON / OFF switch

Cod. SN-D

Halogen light source

"MLA-VR/SN"

CE

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The MLA series sources are produced specifically for use with glass optical fibers (VR version) and synthetic fibers (SN version). The halogen light sources are supplied complete with the relative halogen lamp, whose focusing is performed at the factory by Cobb Fiber Optics in order to obtain the maximum concentration of the luminous flux at the joint connector point. The MLA illuminators allow, thanks to their small dimensions, to be positioned in spaces where traditional illuminators do not find adequate housing.

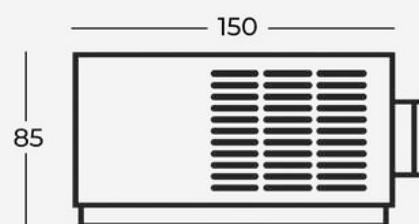
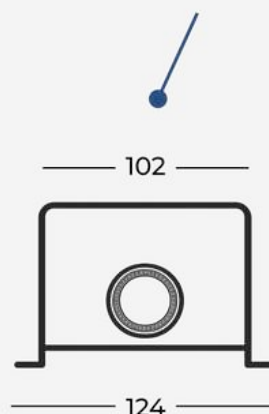
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Technical Features	Description
Power	50W - 100W
Color Temperature	3000°K
Cooling	silenced fan
Common connector inlet	30 mm
IP Protection	IP20
Lamp Lifespan (hours)	50W: 4000 h - 100W: 1500 h
Power supply	220-240 VAC 50/60Hz

Code	Description	Optional Accessories
MLA-50VR	50W-12V halogen bulb for glass fiber optics	A* B* C* D*
MLA-50SN	50W-12V halogen bulb for synthetic optical fibers	A* B* C* D*
MLA-100VR	100W-12V halogen bulb for glass fiber optics	A* B* C* D*
MLA-100SN	100W-12V halogen bulb for synthetic optical fibers	A* B* C* D*

Dimensions



Options

A) Predisposition for connection to dimmer.

Cod. SN-A* (for only LA version)

B) Gearmotor with color-changing rotating wheel (No. 6 colors: red, green, yellow, blue, magenta, white).

Code SN-B* (for only LA version)

C) Gearmotor with rotating star effect wheel (pulsating, sparkling effect).

Code SN-C* (for only LA version)

D) Predisposition for color change wheel rotation lock: It allows the rotation of the wheel to block the rotation through an ON / OFF switch

Code SN-D* (for only LA version)

150W metal halide light source

"LH150-VR/SN"

CE

COBB
FIBRE OTTICHE



The LH series sources are produced specifically for use with glass optical fibers (VR version) and synthetic fibers (SN version). The metal halide sources are supplied complete with the relative 150W metal halide lamp, whose focusing is performed at the factory by means of a special dichroic parabola specifically designed by Cobb Fiber Optics, in order to obtain the maximum concentration of the luminous flux at the joint connector point.

The LH sources can be equipped with a gear motor with a wheel composed of colored dichroic filters to make the light change color.

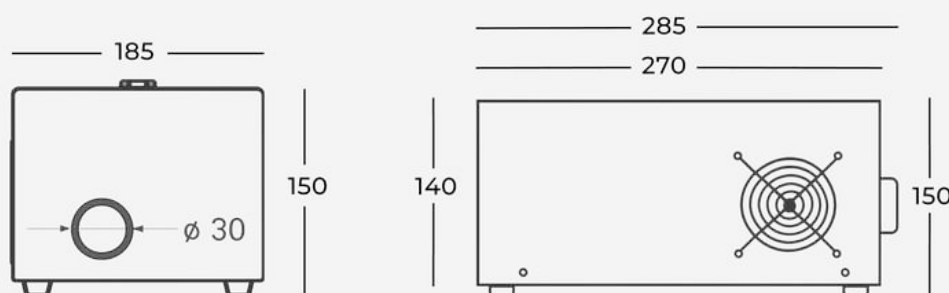
On request, a special switch allows you to lock the rotation of the wheel and choose to keep a fixed color (white, red, green, blue, yellow, magenta).

COBB FIBRE OTTICHE SRL

Via Nelson Mandela, 20 | 24048 Treviolo (BG) | Italy Tel. +39 035 0448601 - Fax +39 035 0448585
info@fibre-ottiche.com - www.fibre-ottiche.it

Technical Features	Description
Power	150W metal halide
Color Temperature	4000°K or 3000°K* (on request)*
Cooling	silenced fan
Common connector inlet	30 mm
IP Protection	IP20
Lamp Lifespan (hours)	6.000 hours
Change color	wheel with 6 colors (white, red, green, blue, yellow, magenta)
Power supply	220-240 VAC 50/60Hz

Code	Description	Optional Accessories
LH-150VR	150W metal halide for glass fiber optics	B C D
LH-150SN	150W metal halide for synthetic fiber optics	B C D



Dimensions

Options

A) Predisposition for connection to dimmer

Cod. SN-A

B) Gearmotor with color-changing rotating wheel (No. 6 colors: red, green, yellow, blue, magenta, white).

Cod. SN-B

C) Gearmotor with rotating star effect wheel (pulsating, sparkling effect).

Cod. SN-C

D) Predisposition for color change wheel rotation lock: It allows the rotation of the wheel to block the rotation through an ON / OFF switch.

Cod. SN-D

ALL OURS ACCESSORIES FOR FIBER OPTICS



FIXED SUPPORT
COD. 111-18A



FIXED SUPPORT
COD. 111-25A



FIXED SUPPORT
COD. 111-30A



ADJUSTABLE MOUNT
COD. 112-12A



ADJUSTABLE MOUNT
COD. 112-22A



ADJUSTABLE MOUNT
COD. 112-30A



ADJUSTABLE MOUNT
COD. 112-45A



ADJUSTABLE MOUNT
COD. 113-45A



ADJUSTABLE MOUNT
COD. 113-45AF



FIXED SUPPORT
COD. 114-45A



FIXED SUPPORT
COD. 115-15B



FIXED SUPPORT
COD. 115-15A



WATERPROOF SPOTLIGHT
COD. 113-25A



WATERPROOF SPOTLIGHT
COD. 113-40A



WATERPROOF SPOTLIGHT
COD. 114-35A



WATERPROOF SPOTLIGHT
COD. 114-30A

ALL OURS ACCESSORIES FOR FIBER OPTICS



WATERPROOF SPOTLIGHT
COD. 114-50A



WATERPROOF SPOTLIGHT
COD. 113-60A



WATERPROOF SPOTLIGHT
COD. 113-90A



CRYSTAL SUPPORTS
COD. 117-XX



ACRYLIC SUPPORTS
COD. 118-XX



PLEXIGLASS SUPPORTS
COD. 119/120-XX



ACRYLIC SUPPORTS
COD. 121-XX

111-18A

Fixed support

OR

Gold

CR

Chrome



Fibre type

Ø mm

Compatible ferrules

Glass

2,0 - 2,6

LPV/4 - LGV/4

3,0 - 3,3

LPV/7 - LGV/7

4,0

LPV/12

Synthetic

2,0

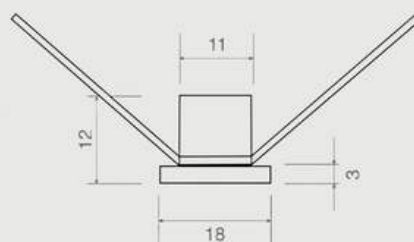
LPS/20

3,0 - 3,3

LPS/30

4,0

LPS/12



CE  14

111-25A

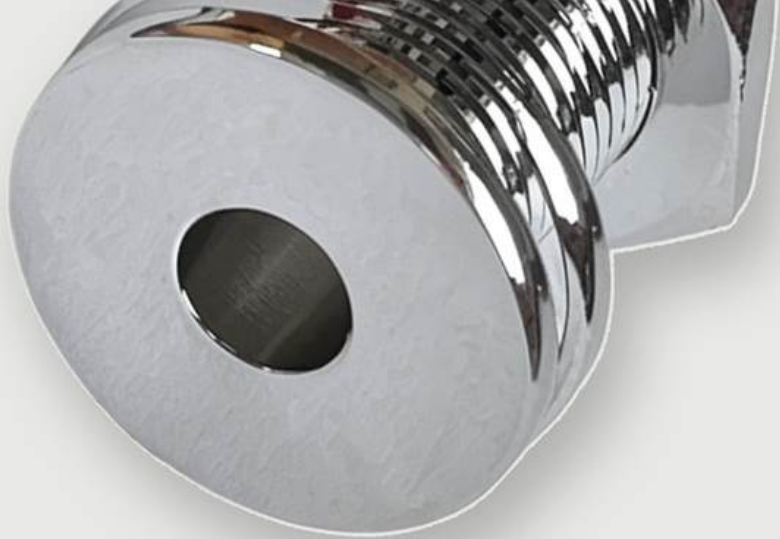
Fixed support



Gold



Chrome



Fibre type

Ø mm

Compatible ferrules

Glass

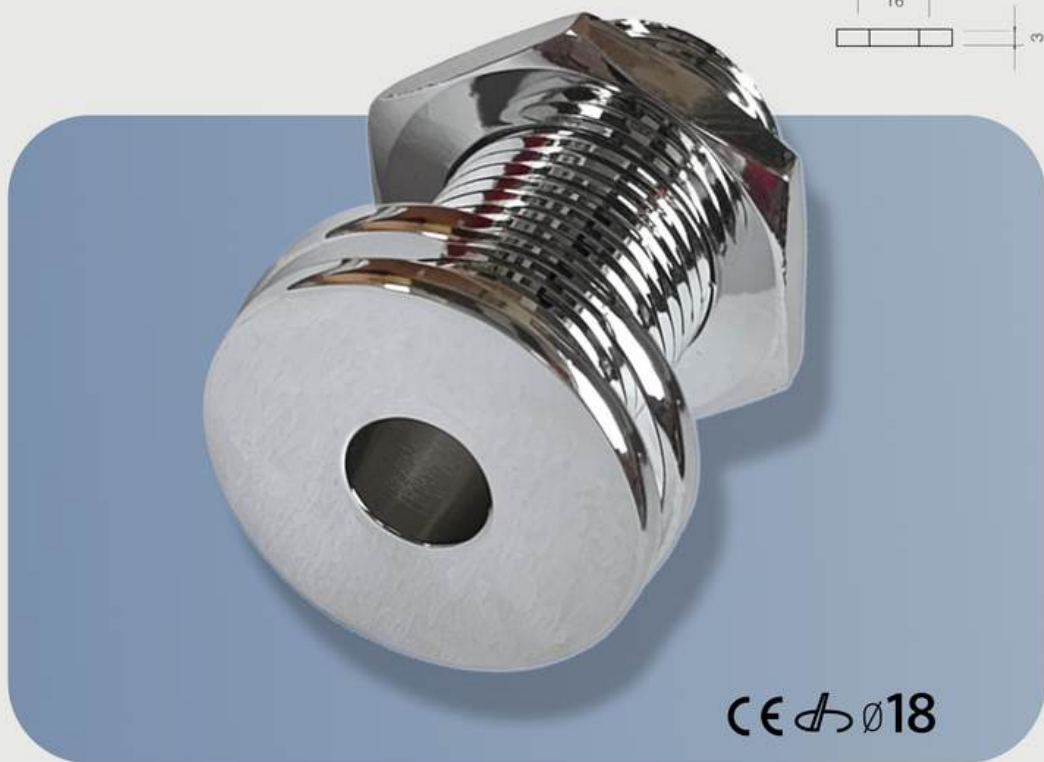
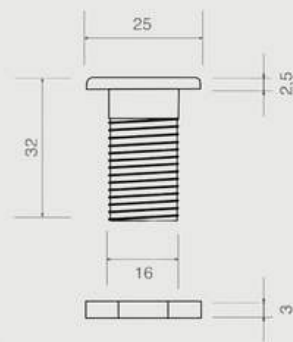
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  Ø18

111-30A

Fixed support



Gold



Chrome

Fibre type

Glass

Ø mm

4,0 - 4,3
6,0

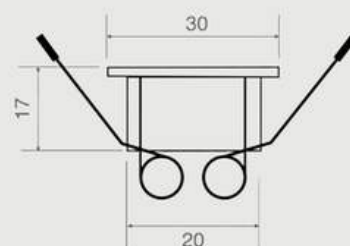
Compatible ferrules

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  18

112-12A

Adjustable support



Gold



Chrome



Fibre type

Ø mm

Compatible ferrules

Glass

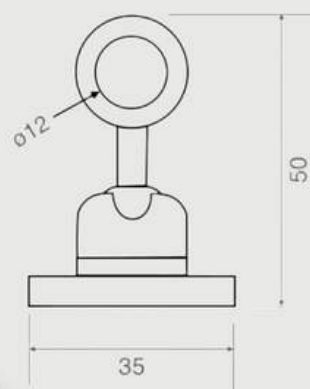
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



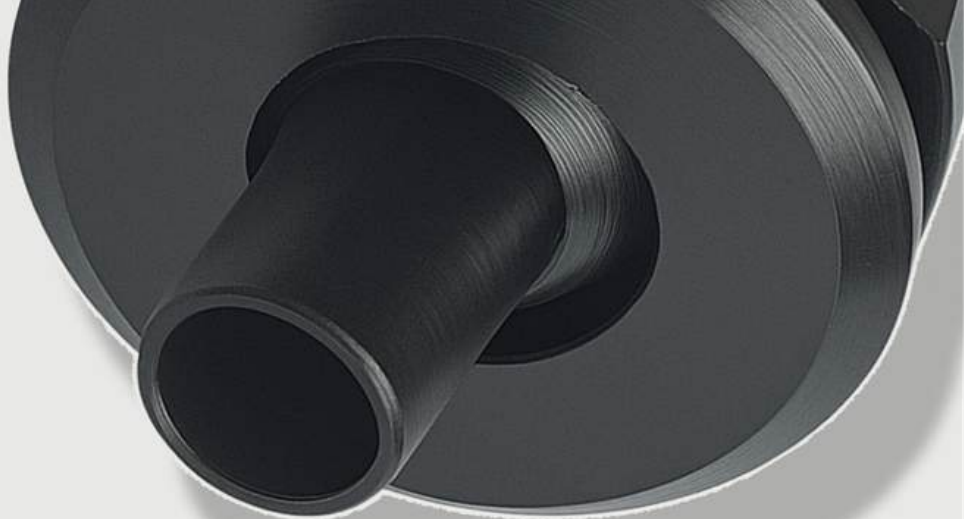
CE

112-22A

Adjustable support

NE

Black



Fibre type

Ø mm

Compatible ferrules

Glass

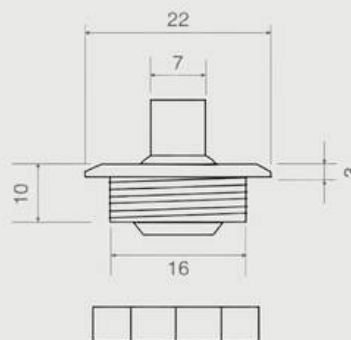
2,0 - 2,6
3,0 - 3,3

LPV/4
LPV/7

Synthetic

2,0
3,3

LPS/20
LPS/30



CE  18

112-30A

Adjustable support



NE

Black

GR

Grey

Fibre type

Ø mm

Compatible ferrules

Glass

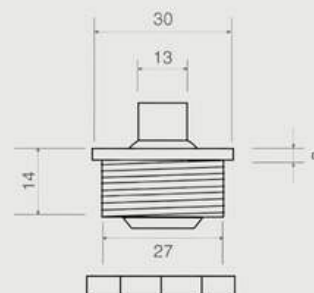
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  Ø28

112-45A

Adjustable support



Gold



Chrome



Grey



Fibre type

Ø mm

Compatible ferrules

Glass

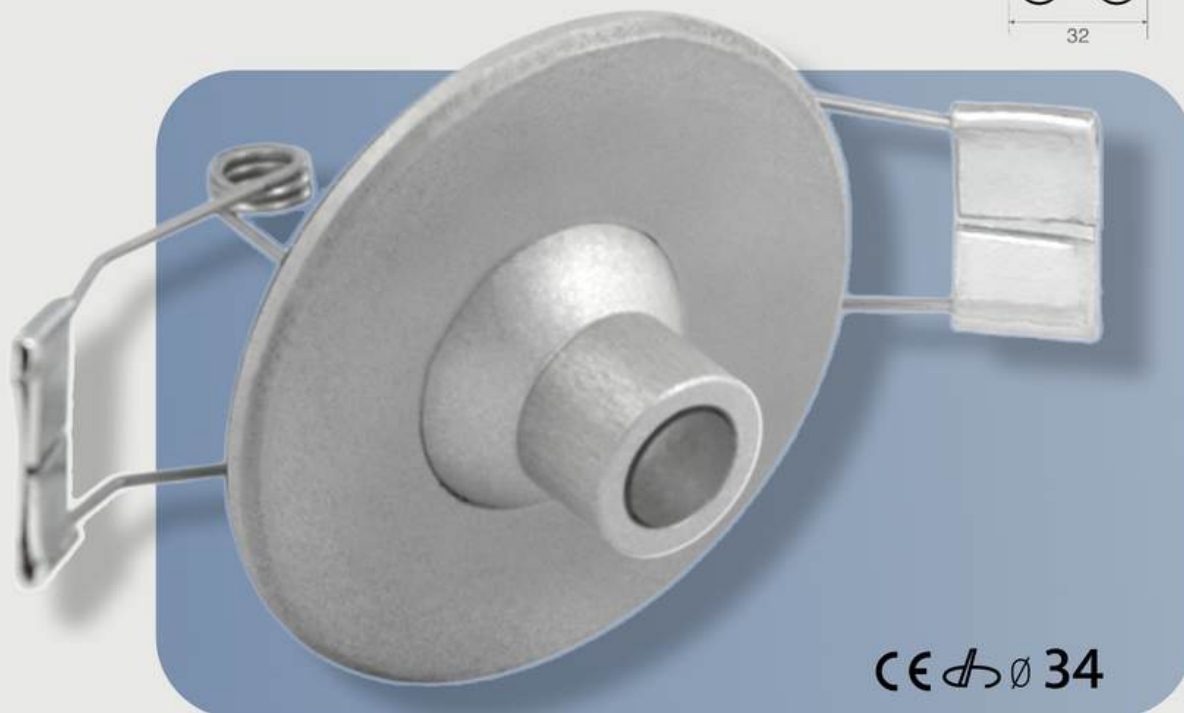
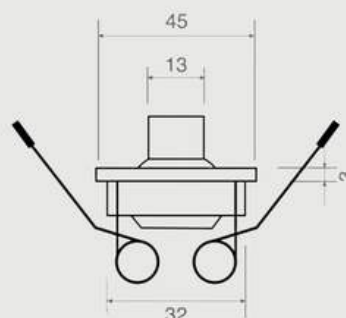
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  Ø 34

113-45A

Adjustable support



Gold



Chrome



Grey



Fibre type

Ø mm

Compatible ferrules

Glass

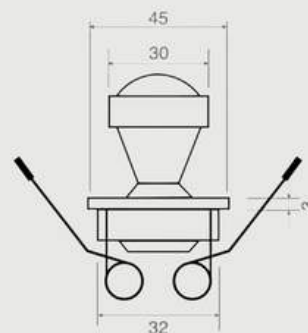
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  Ø 35

113-45AF

Adjustable support with lens



Gold

Chrome

Grey



Fibre type

Ø mm

Compatible ferrules

Glass

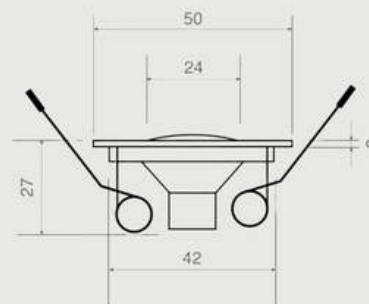
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE  43

114-45A

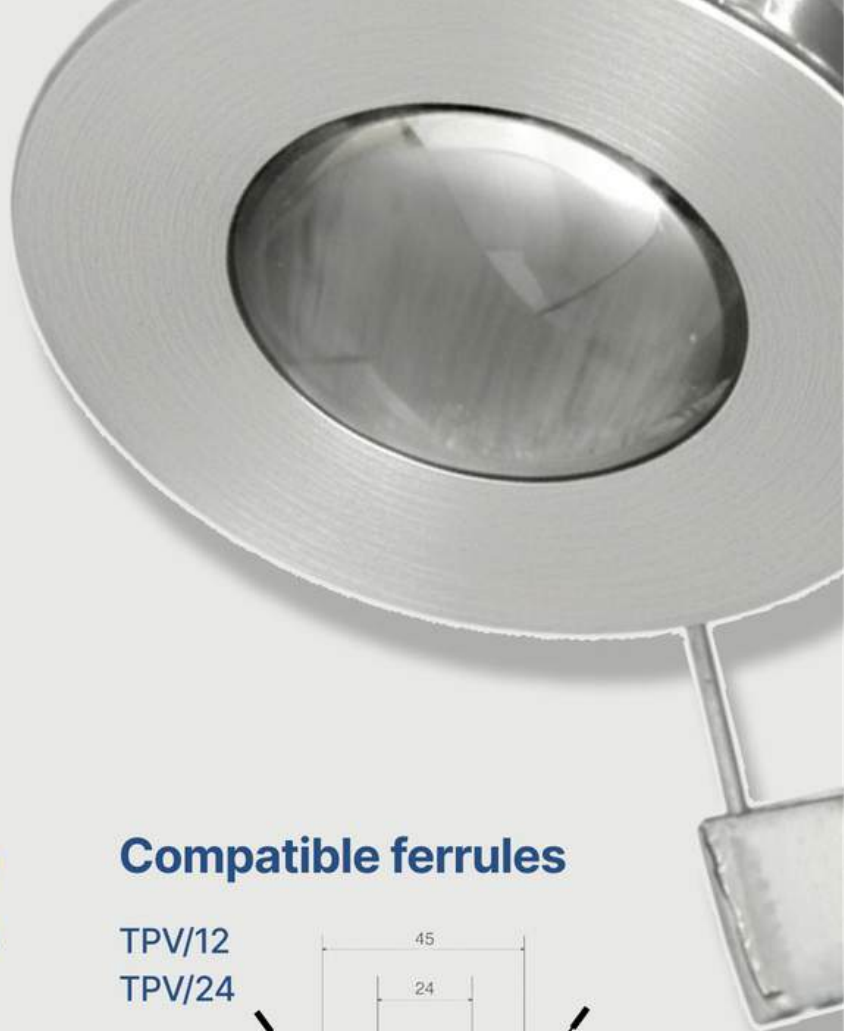
Fixed support with lens



Gold

Chrome

Grey



Fibre type

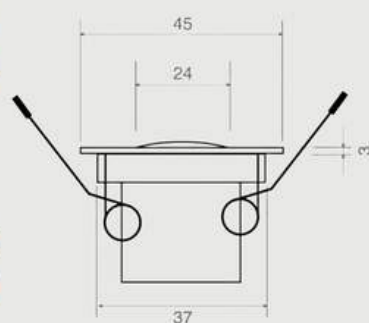
Ø mm

Compatible ferrules

Glass

4,0 - 4,3
6,0

TPV/12
TPV/24



Synthetic

4,0 - 4,5
6,0

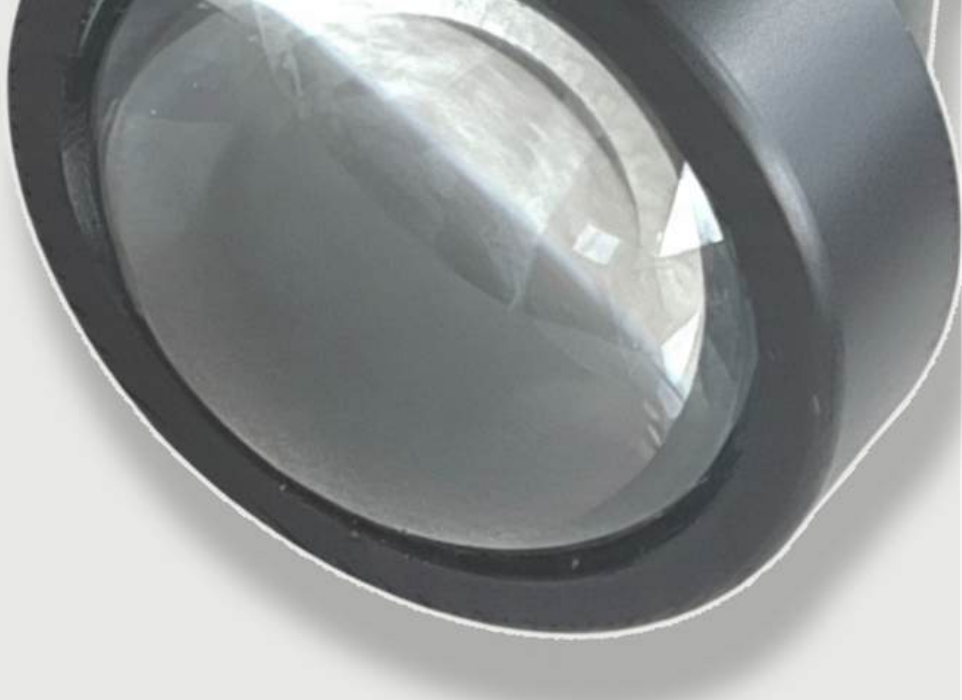
TPS/45
TPS/60



CE  Ø 40

115-30A

Optical concentrator



Gold



Chrome



Black

Fibre type

Ø mm

Compatible ferrules

Glass

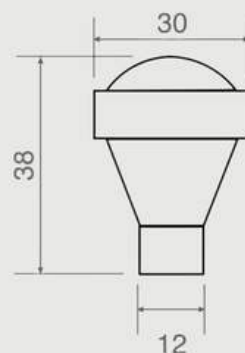
4,0 - 4,3
6,0

TPV/12
TPV/24

Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE

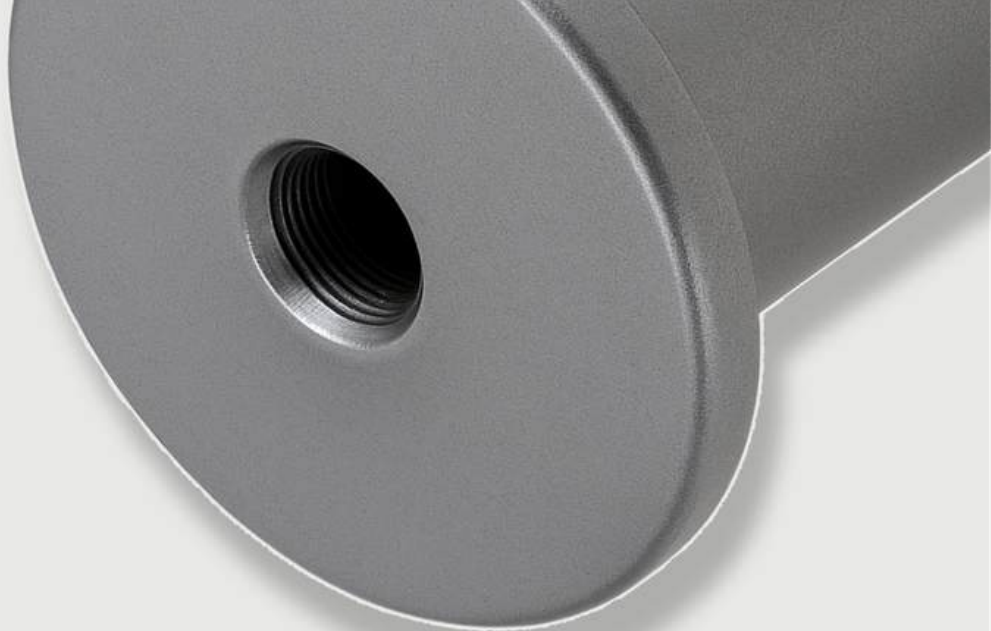
115-15B

Fixed support

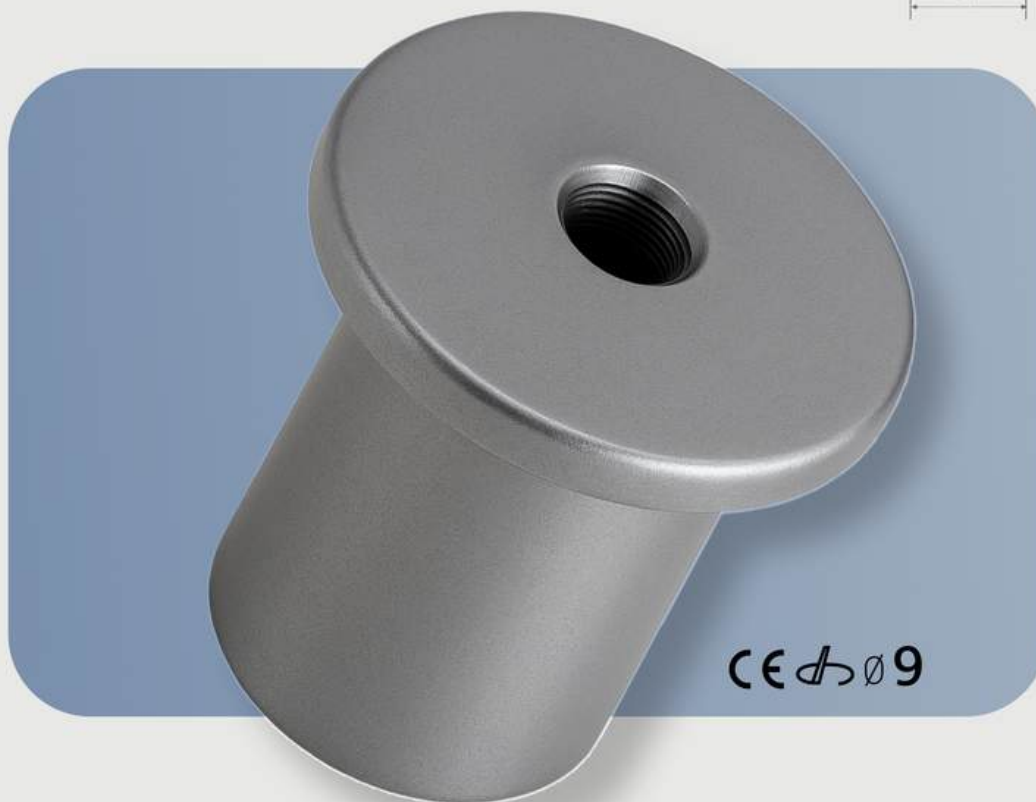
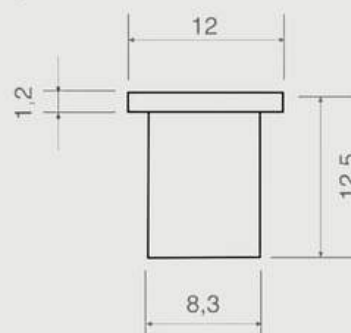


Black

White



Fibre type	Ø mm	Compatible ferrules
Glass	1,0 - 1,3	LPV/1 - LGV/1
	2,0 - 2,6	LPV/4 - LGV/4
	3,0 - 3,3	LPV/7 - LGV/7
Synthetic	1,0	LPS/10
	1,5	LPS/15
	2,0	LPS/20
	3,0 - 3,3	LPS/30



CE  09

115-15A

Fixed support



Gold



Chrome



Fibre type

Ø mm

Compatible ferrules

Glass

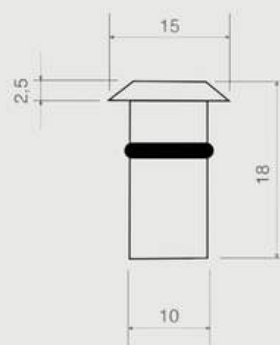
1,0 - 1,3
2,0 - 2,6
3,0 - 3,3
4,0 - 4,3

LPV/1 - LGV/1
LPV/4 - LGV/4
LPV/7 - LGV/7
LPV/12 - LGV/12

Synthetic

1,0
1,5
2,0
3,0 - 3,3

LPS/10
LPS/15
LPS/20
LPS/30



CE  11

113-25A

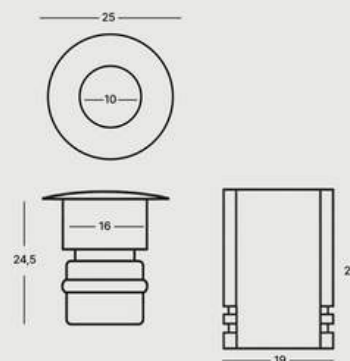
Waterproof spotlight IP67 - IP68*



Stainless steel



Fibre type	Ø mm	Compatible ferrules
Glass	2,0 - 2,6	LPV/4
	3,0 - 3,3	LPV/7
	4,0	LPV/12
Synthetic	2,0	LPS/20
	3,0 - 3,3	LPS/30
	4,0	LPS/12



113-40A

Waterproof spotlight IP68

AO

Stainless steel



Fibre type

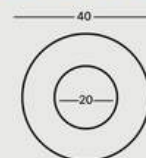
Ø mm

Compatible ferrules

Glass

4,0 - 4,3
6,0

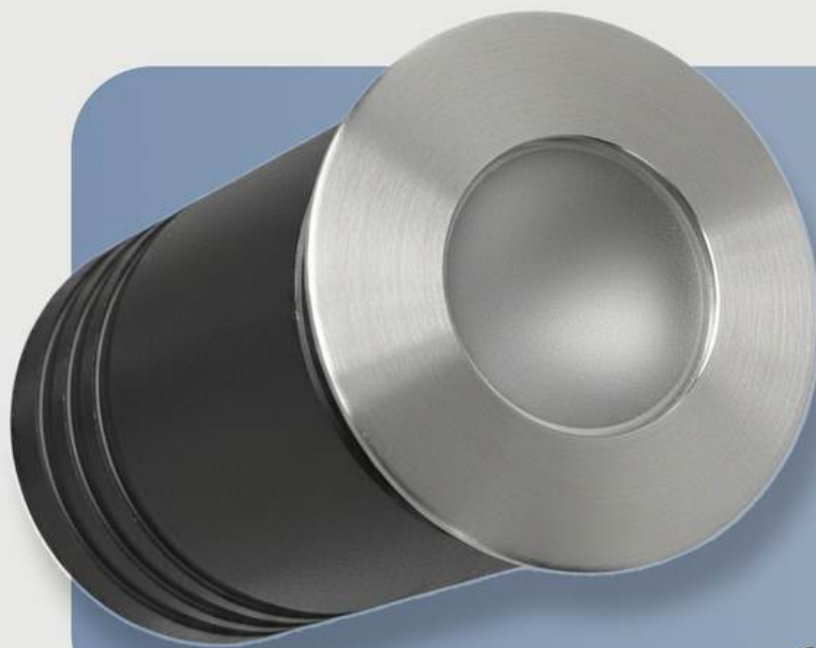
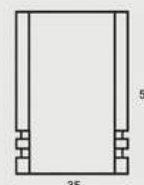
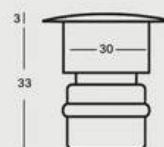
LPV/12
LPV/24



Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE

114-35A

Waterproof spotlight with IP68 lens



Stainless steel



Fibre type	Ø mm	Compatible ferrules
Glass	4,0 - 4,3 6,0	LPV/12 LPV/24
Synthetic	4,0 - 4,5 6,0	TPS/45 TPS/60



CE

114-30A

Waterproof spotlight with IP68 lens



Stainless steel



Fibre type	Ø mm	Compatible ferrules
Glass	2,0	LPV/4
	3,0	LPV/7
Synthetic	2,0	LPV/20
	3,3	LPV/30



CE

114-50A

Waterproof spotlight with IP68 lens

AC

Stainless steel



Fibre type	Ø mm	Compatible ferrules
Glass	4,0 - 4,3 6,0	LPV/12 LPV/24
Synthetic	4,0 - 4,5 6,0	TPS/45 TPS/60



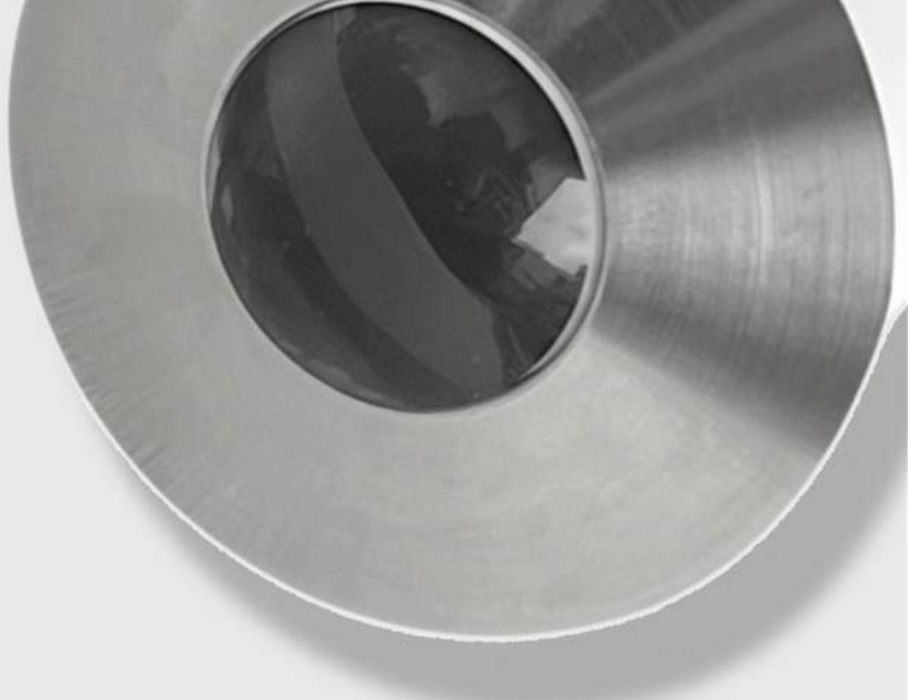
CE

113-60A

Waterproof spotlight IP68

AO

Stainless steel



Fibre type

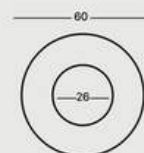
Ø mm

Compatible ferrules

Glass

4,0 - 4,3
6,0

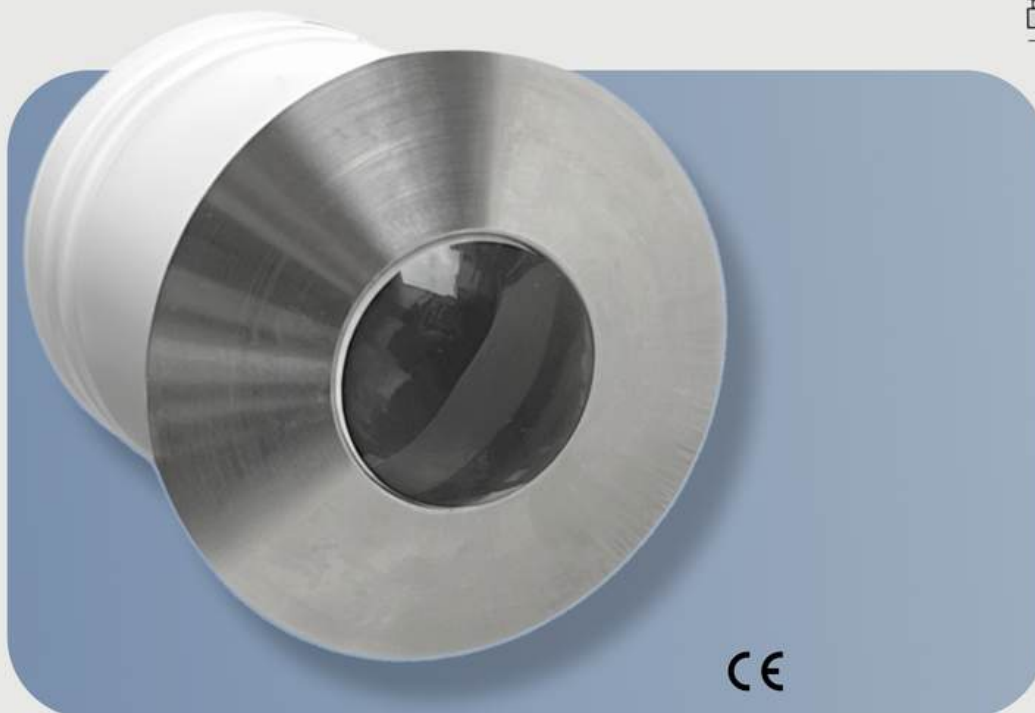
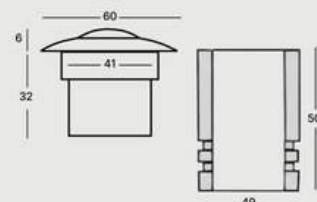
LPV/12
LPV/24



Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE

113-90A

Waterproof spotlight IP68

AO

Stainless steel



Fibre type

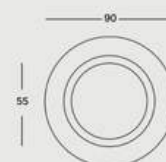
Ø mm

Compatible ferrules

Glass

4,0 - 4,3
6,0

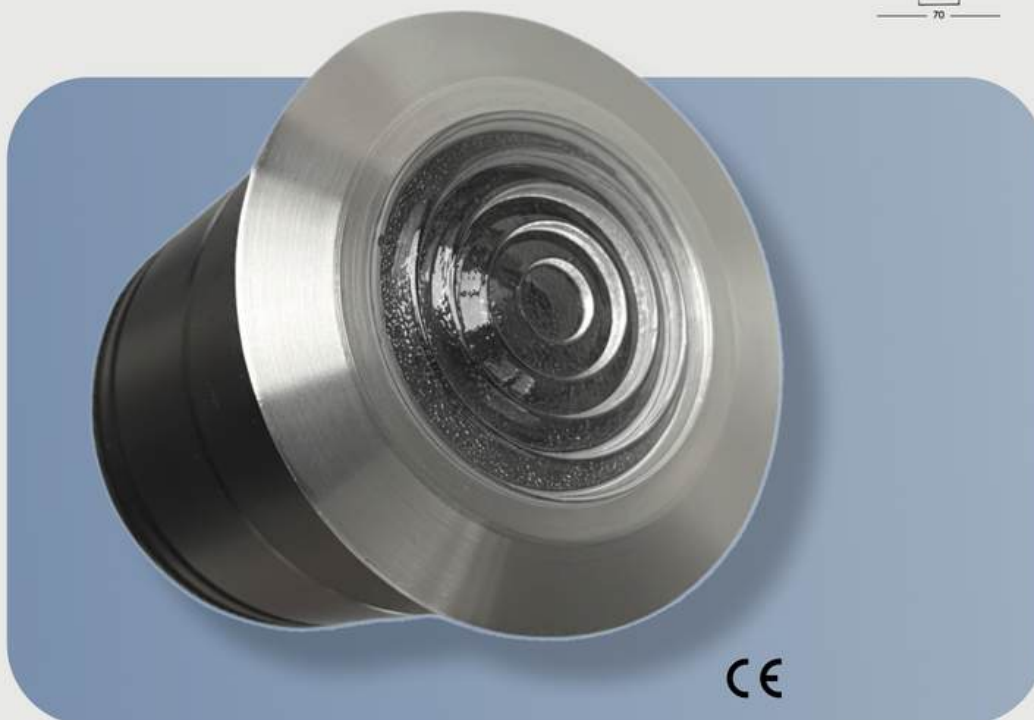
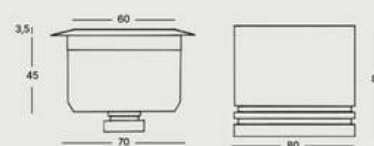
LPV/12
LPV/24



Synthetic

4,0 - 4,5
6,0

TPS/45
TPS/60



CE

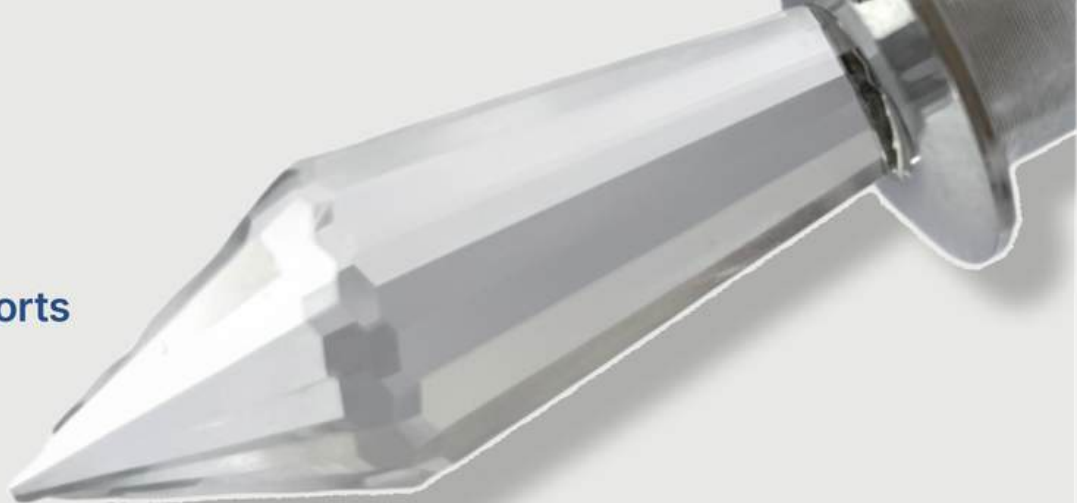
117-....

Decorative fixed supports



Gold

Chrome



Fibre type	Ø mm	Compatible ferrules
------------	------	---------------------

Glass

1,0 - 1,3

LPV/1

2,0 - 2,6

LPV/4

3,0 - 3,3

LPV/7

4,0 - 4,3

LPV/12

Synthetic

1,0

TPS/10

1,5

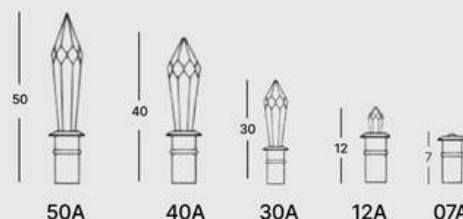
TPS/15

2,0

LPS/20

3,0 - 3,3

LPS/30



CE  11

118-....

Fixed plexiglass supports

PL

Plexiglass

Fibre type	Ø mm	Compatible ferrules
------------	------	---------------------

Glass

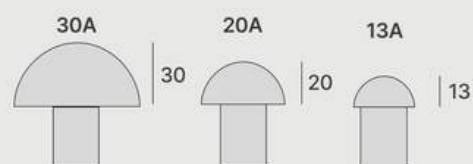
1,0 - 1,3
2,0 - 2,6
3,0 - 3,3

LPV/1
LPV/4
LPV/7

Synthetic

1,0
1,5
2,0
3,0 - 3,3

TPS/10
TPS/15
LPS/20
LPS/30



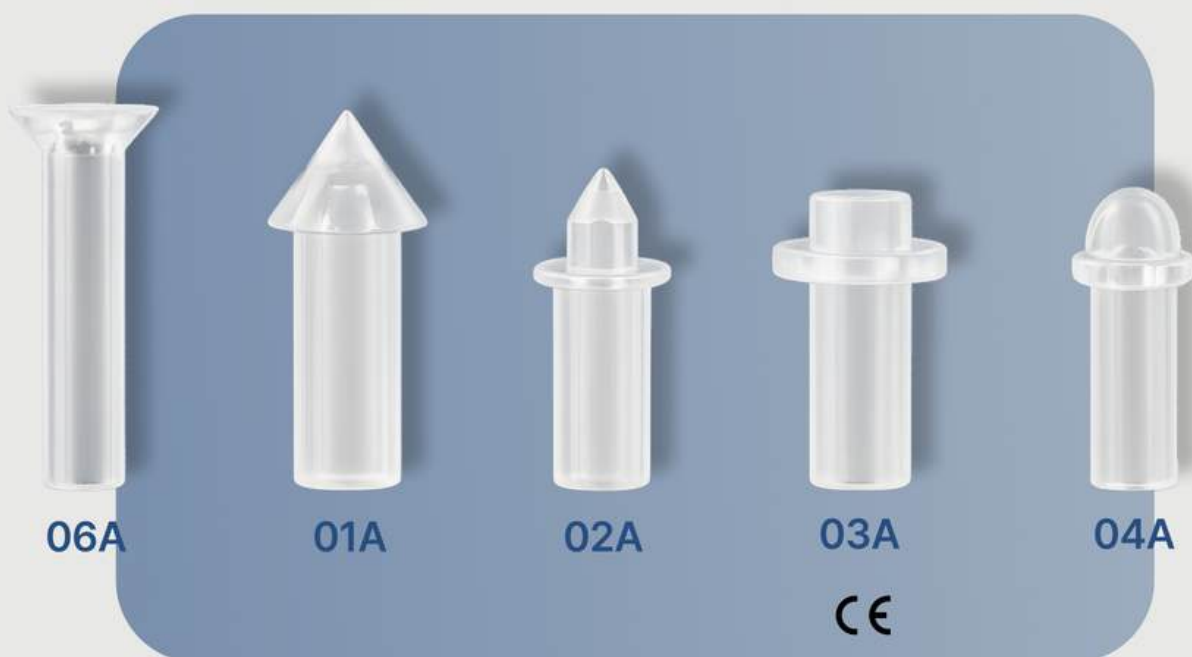
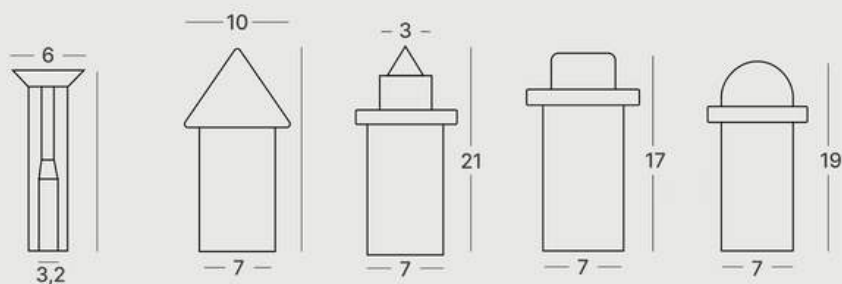
119/120...

Fixed plexiglass supports



119-06A Polycarbonate decorative effect fixed support for fibre optics diam. 1,0mm and 1,5mm. Suitable for use in floors, indoors and outdoors. Suitable to make starry sky on floor pools.

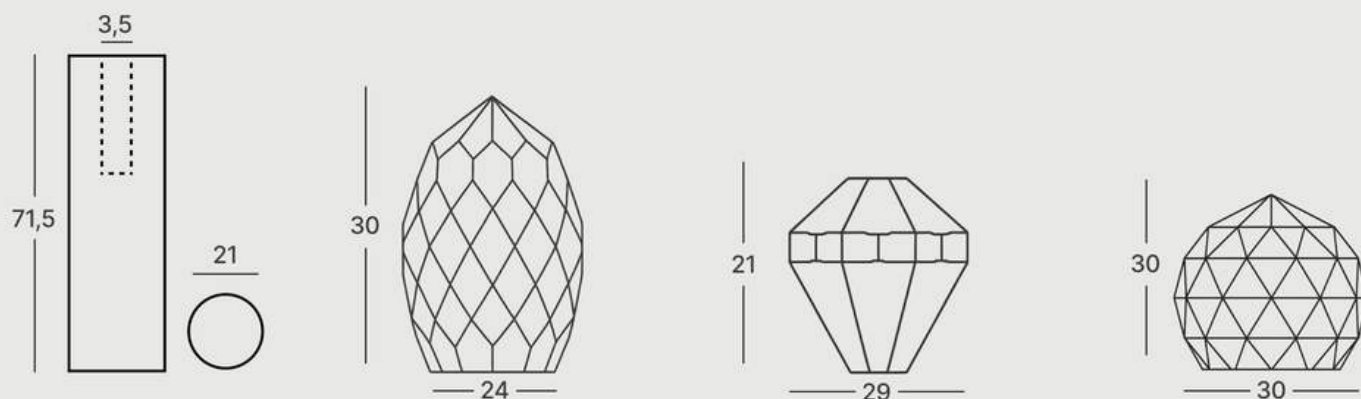
120-... Plexiglass decorative effect fixed support for synthetic fibre optics diam. 0,75mm, 1,0mm e 1,5mm. Suitable for use in ceiling, indoors and outdoors. Suitable to make starry sky in ceiling and to provide sparkling fibre points.



121/-...

Decorative crystal supports for
Side-Glow fibres

Decorative crystals for synthetic fibers SIDE- GLOW,
suitable to be applied to the ends of the synthetic fiber
optics for the realization of scenic effects.



01A



02A



03A

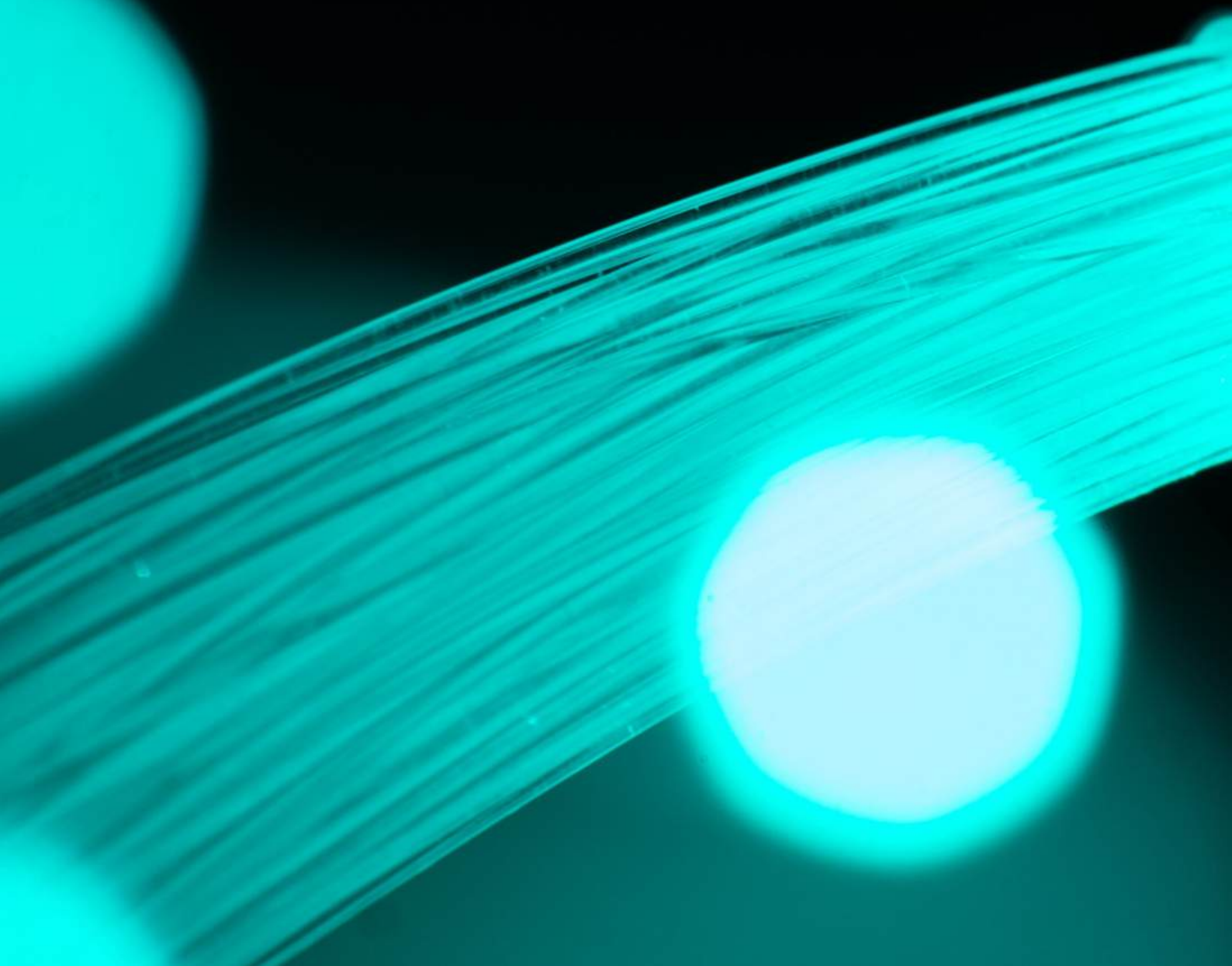


04A

CE



**LIGHT UP YOUR WORLD,
CREATE ATMOSPHERE WITH STYLE**



FIBER OPTIC PRODUCT CATALOGUE 2026



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