



MICRO

8301101

MICRO - 4 LED RGBW 121°

Lighting information



Source power type	4 LED
Colour temperature	RGBW
CRI	W>80
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh

Source power	Max 6,00 W
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Plug-in power	5,80 W
Beam angle	121°

Power Supply Unit	Max 500mA (4 channels + 1 channel NTC)
Operating frequency	DC
Dimmable	PWM
Safety class	III
Wiring	External
Cable section	10 x 0,32 mm ²
Cable length	1.000 mm;
Cable type	TPE_V+PVC
Connector	To be ordered separately

Protection Rating	IP66/IP68 Full Dry (2m)
Breaking Strength	IK 10
Drive-over capacity	2.000 Kg

Energy efficiency class	A/A+/A++
Diffuser type	Sandblasted extra-clear glass
Diffuser thickness	8 mm



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P.IVA 03320290178 | Codice fiscale 03007130176
Registro delle Imprese di Brescia n. 03007130176 REA 311057
Capitale sociale Euro 1.000.000,00 i.v. Società con unico socio

Last update:19/04/2022



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Product features

Die-cast body manufactured in EN 44300 aluminium alloy with very low copper content and front locking trim in AISI 316L stainless steel. Subjected to galvanic anodizing treatment divided into distinct phases: mechanical satin finishing, surface degreasing, anodic oxidation and final sealing. The product is painted following a continuous two step paint process (epoxy-based primer + polyester-based colour finish), which allows to generate a single thick protective coating which then generates a protective barrier against atmospheric agents and UV rays. IP68 Degree of protection with Full Dry system which avoids condensation inside the product. The Installation of the recessed housing in cast concrete with a 20-30 cm gravel soakaway. Only an IP68 connection to the power supply can guarantee the same protection to the fixture. Outer housing and connector to be ordered separately.

Technical dimensions



Lighting information

Plug-in power	5,80 W
Beam angle	121°
Plug-in power	5,80 W
Beam angle	121°

Technical shipping information

Net weight	0,55 kg
Gross weight	0,70 kg
Packaging width	140,00 mm
Packaging height	170,00 mm
Packaging depth	170,00 mm

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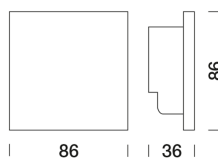
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Electrical accessories



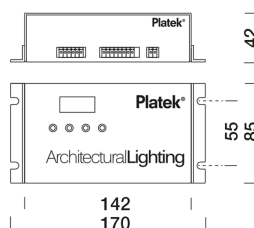
8917011
Y-CON connector with box to be resin-coated



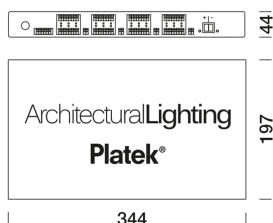
8956019
Touch panel lite (4 CH. RGBW 100-240V)



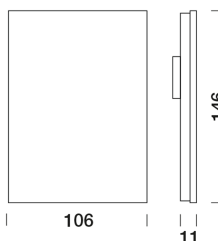
8956063
Two-component resin (max. 2 Y-CON connectors)



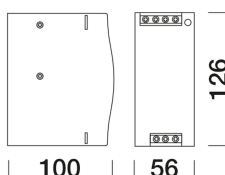
8956110
Controller LED max. 48 LED 4 DMX-RDM Channels (max. 12 LEDs) channel IN max 60V-135W OUT 350/500/700mA



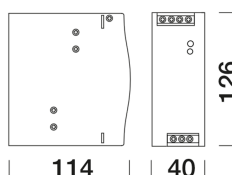
8956115
Controller LED max. 384 LED 32 DMX-RDM channels (max. 12 LEDs/channel) IN max. 60V-1080W OUT 350/500/700mA



8956119
Touch panel control RGBW 1024 ch usb/ethernet



8956120
IP20 Power supply (48V DC - 75W)



8956121
IP20 Power supply (48V DC - 120W)

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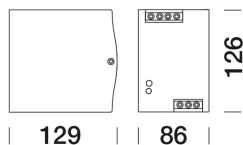


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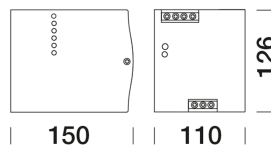
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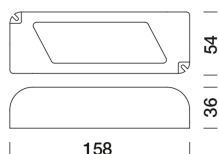
Electrical accessories



8956122
IP20 Power supply (48V DC - 480W)



8956123
IP20 Power supply (48V DC - 960W)



8956135
Controller LED max. 24 LED 4 Channels
(max. 6 LED/channel) 220-240V 50/60Hz
max. 40W OUT 500mA



8956151
Cable DMX length 1 m.



8956154
Cable DMX length 0,4 m.



8956157
Cable length 30 m (10x0,32 mm²) for
RGBW connections and dynamic light



8956158
Cable length 60 m (10x0,32 mm²) for
RGBW connections and dynamic light

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The process of galvanisation and multi-coating protection

Platek goes well beyond the standards required for conventional protection processes, making use of its longstanding and in-depth expertise in aluminium alloys. All the aluminium components of the products - extruded, die-cast or turned - are subjected to a galvanic anodizing process in the phase following mechanical processing. The process increases their wear resistance and improves the adhesion of the paint. Galvanization involves three distinct phases: mechanical satin finishing and surface degreasing, anodic oxidation and fixing. After the first phase that eliminates any impurities, the aluminium body is immersed in special electrolytic tanks, in which the aluminium surface is transformed into aluminium oxide, which makes the metal more resistant. To respond optimally to the needs of the global market, all Platek products undergo a two-layer painting process. After preparation with washing and rinsing in accordance with the strictest environmental standards, the product is coated with an epoxy primer which guarantees, in addition to anodizing, an excellent degree of protection. The final step is the preparation of the polyester powder which gives the final velvety finish of the component. These last two phases, being done in a continuous cycle, form a single high-thickness layer that is resistant to the action of UV rays and atmospheric agents. This process allows corrosion resistance in salt fog that far exceeds the average standards of the market to be achieved.

The gluing process and plasma treatment

One of the most complex and delicate aspects in outdoor lighting products is the fitting of glass onto the lighting body. This must ensure over time an excellent degree of insulation from atmospheric agents, even in harsh environmental conditions, to maintain a stable performance with zero maintenance. The gluing process of the glass on Platek products is managed at an automated workstation, preceded by a pre-treatment of the surfaces with atmospheric pressure plasma. Pre-treatment modifies the characteristics and ionic properties of the treated surfaces, activates the polar materials at strategic points, removes any residue of detaching agents, such as silicones and oils with a precision microcleaning, favouring excellent wettability of the bonded surfaces and a stable seal in time. The gluing process of the glass with specific plasma treatment allows a bonding force four times greater than similar products to be obtained. The shaping of the surfaces is followed by the application of the silicone and the assembly of the glass onto the lighting body using an automated process that guarantees perfect sealing of the lamp.

Precise LED selection

All LEDs used by Platek, once assembled by trusted personnel are tested with suitable instruments to check the colour specification required by Platek standards. The choice of using only 3 McAdams colour steps and with a CRI value exceeding 90, provide a high level of light quality that is difficult to find in the world of outdoor lighting. As far as LED products are concerned, Platek has adopted a system of protection against electrostatic discharge along the entire production chain of electronic components to increase the resistance of circuits to power surges.