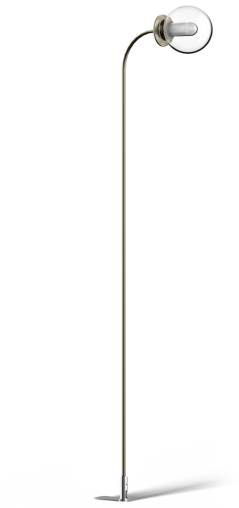
Balina M

3705296

Balina M 120 - 1 LED 2700K Diffuse



Lighting information

Source power type	1 LED
Colour temperature	2700K
CRI	>90
MCADAMS	3
LM 80/TM-21	L80B10@>60Kh

Source power	6,10 W
Nominal flux	560 lm

Plug-in power	6,10 W
Real flux	360 lm
Beam angle	Diffuse

Power Supply Unit	24V
Operating frequency	DC
Power factor	0,95
Dimmable	PWM
Safety class	III
Wiring	External
Cable section	2 x 0,50 mm^2
Cable type	LPCPFEP
Connector	To be ordered separately

Protection Rating	IP65
Breaking Strength	IK05

Energy efficiency class	A/A+/A++
Diffuser type	Blown glass
Diffuser thickness	120 mm

Colours

Standard colour

- .01 Black
- .07 Corten

Colours available on request

- .02 White
- .04 Green Forest
- .06 Grey
- .08 Anthracite
- .09 Bronze

Platek®

PLATEK s.r.l.
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Registro delle Imprese di Brescia n. 03007130176 REA 311057
Capitale sociale Euro 1.000.000,00 i.v. Società con unico socio

Last update:20/03/2025

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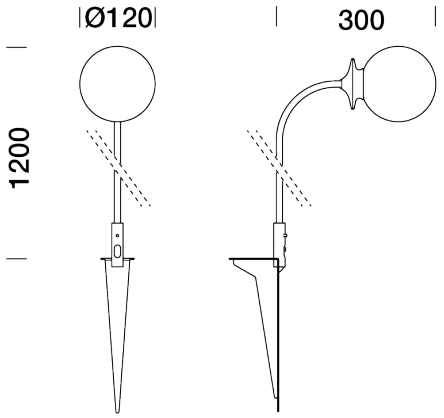
Product features

Technical dimensions



Lighting information

Beam angle	Diffusante

Plug-in power	6,10 W
Real flux	360 lm
Beam angle	Diffuse

Plug-in power	6,10 W
Real flux	360 lm
Beam angle	Diffuse

Technical shipping information

Net weight	1,28 kg
Gross weight	3,10 kg
Packaging width	1.650,00 mm
Packaging height	360,00 mm
Packaging depth	170,00 mm

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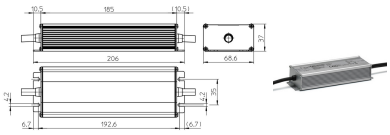
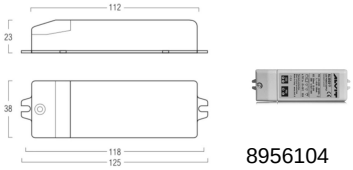
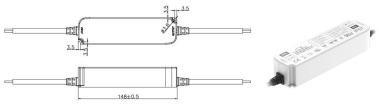
Electrical accessories



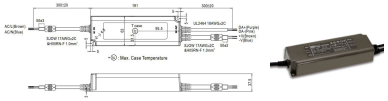
8956074
IP67 Power supply (24V DC - 150W)



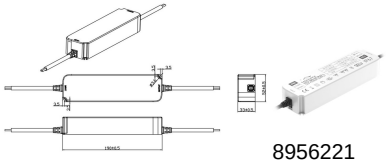
8956104
IP20 Power supply (24V DC - 30W)



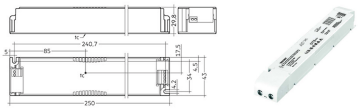
8956172
IP67 Power supply (24V DC - 40W)



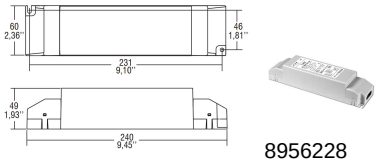
8956313
Power supply DALI (24V DC - 120W) IP67



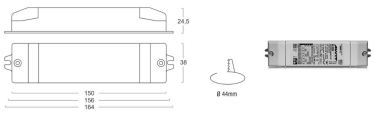
8956221
Power supply (24V DC - 100W) IP67



8956227
IP20 Power supply (24V DC - 100W)



8956228
IP20 Power supply (24V DC - 150W)



8956222
Power supply DALI (24V DC - 25W) IP20

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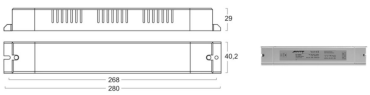
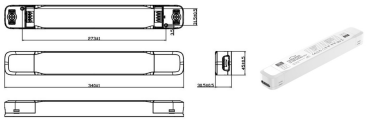
Electrical accessories



8956223
Power supply DALI (24V DC - 75W) IP20



8956224
Power supply DALI (24V DC - 150W) IP20

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Electric and thermal protection
The final piece of the Platek puzzle is its scrupulous research into the reliability of its LED products. Precisely to cater for growing market demand Platek has introduced their own electrical protection PCBs, increasing their products resistance to electrostatic discharges and power surges. Furthermore, where possible, additional (NTC) thermal protections are used, which communicate with the power supplies, regulating the electric supply to the Platek LEDs so they operate at a suitable temperature.

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.

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.

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.

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