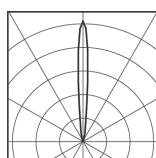


Recessed box excluded and
IP68 connector excluded
to be ordered separately



99,67 lm/W
24V DC

9°
31740 cd/klm

Product characteristics

Full Inox version: Body and closing ring made in AISI 316L stainless steel. A4 stainless steel screws. Aluminium version: Body and closing ring made of die-cast EN 44100 aluminium alloy. Protection with anodizing treatment, epoxy powder base coating and polyester painting. A4 stainless steel screws. Family details: IP68 protection rating with Full Dry system preventing condensation inside the fitting. Nylon sleeve to be ordered separately. Installation in sleeve set in concrete, with a 20-30 cm gravel drain bed. Only an IP68 rated connection to power supply unit can guarantee the IP68 protection rating to the luminaire.

Technical information

Light source type: LED White 3000K
Power: 14 W
Nominal flux: 1692 lm
Luminous efficacy of the light source : 120,86 lm/W
Real data: 1479 lm
Real Power : 15 W
Power Supply Unit : 24V DC - to be ordered separately
Optics: 9°
Light beam angle: Spot
Degree of protection: IP68 Full Dry
Breaking Strength: IK 08
Class: III
Drive over feature: 1500Kg
Lamp position: Adjustable $\pm 15^\circ$
Dimensions: 113 mm
Casing: 8945029
Casing: 8945029
Casing: 8945031
Weight: 3,40 Kg

Energy classification: A / A+ / A++

Accessories



8945029

Recessed box Ø 220 mm x H. 140 mm



8917004

IP68 Gel Connector max. 3 x 4 mm² for Ø 9,5 ÷ 12 mm cable



8956104

IP20 Power supply (24V DC - 30W)



8956307

IP20 Power supply (24V DC - 75W)



8956172

IP67 Power supply (24V DC - 30W)



8956127

IP67 Power supply (24V DC - 75W)



8956074

IP67 Power supply (24V DC - 150W)

The process of galvanisation and multi-coating protection

Platek, a member of the Donati Group, goes well beyond the standards required for conventional protection processes, making use of its long-standing and in-depth expertise in aluminium alloys. Famously, die cast aluminium products are treated with Iridite, Bonderite and converted aluminium: all high-level processes that on their own, are insufficient to ensure perfect performance for the intended use of Platek products, i.e. outdoors. The guarantees offered by the company, provide the outdoor market with additional steps within the production process. For aluminium extruded, die-cast or machined components, Platek provides a galvanised anodising process subsequent to the machining phase in order to protect the threads or surfaces that are easily attacked by the elements and prior to the application of a double coating of paint. This process ensures a level of resistance to corrosion from saline mist, that exceeds those currently available on the market from other firms.

The gluing process and plasma treatment

Over the years, Platek has developed unrivalled experience in the process of bonding glass. As a result of continuous tests and the rigour of its approach, Platek concluded that the simple application of an adhesive or sealant to painted surfaces is insufficient to reach the new standards it imposes and expects for its own products. Throughout 2017 it initiated research into alternatives for existing gluing technologies. This led to the introduction from 2018 of a specific PLASMA treatment which increases the tear-force strength by up to 4 times of that necessary to tear glued surfaces apart. As a result of this treatment, the use of aggressive chemical substances has been eliminated, which compromised the corrosion resistance of external paintwork.

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.

In order to meet customer demand on the subject of regulation surrounding heat resistance, Platek has gone further and raised the temperature of the thermal chamber. The Platek thermal chamber where products are normally tested, conducts tests to 40°C rather than the normal level of 25°C as required by legislation and unlike other lighting manufacturers. In doing so, all Platek products are able to function perfectly well up to 40°C ambient temperature outside and the thermal protections only intervene when the temperature is in-excess of this by reducing the electric supply to the LEDs.

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.

Product Warranty

Everything stated in the competitive benefits and in the thermal tests, has allowed Platek to offer a 5-year warranty to customers on LED modules and 3-year warranty on all remaining products. The warranty starts from the date indicated on the invoice and is provided directly by Platek, without the need register the purchase on dedicated web sites.

