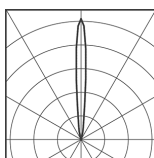


Recessed box excluded and  
IP68 connector excluded  
to be ordered separately



84,20 lm/W  
220-240V 0/50/60Hz

9°  
19272 cd/klm

**Colour code available**



.01 black



**Product characteristics**

Die-cast aluminium body and flange. Protection with anodizing treatment, epoxy powder base coating and polyester painting. A4 stainless steel screws. IP68 protection rating with Full Dry system preventing condensation inside the fitting. Zinc-plated iron and aluminium 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 cable can guarantee the IP68 protection rating to the luminaire.

**Technical information**

Light source type: LED White 3000K  
Power: 40,5 W  
Nominal flux: 3960 lm  
Luminous efficacy of the light source : 97,78 lm/W  
Real data: 3676 lm  
Real Power : 44 W  
Power Supply Unit : 220-240V 50/60Hz  
Optics: 9°  
Light beam angle: Spot  
Degree of protection: IP68 Full Dry  
Breaking Strength: IK 10  
Class: I  
Drive over feature: 4500Kg  
Lamp position: Fixed  
Dimensions: 435 mm  
Casing: 8945010  
Weight: 7,60 Kg

Energy classification: A / A+ / A++

Product code: **8408511**  
GRANDE - 18 LED 3000K

**Platek**

**Accessories**



**8945010**

Recessed box Ø 250 mm x H. 435 mm



**8918205**

Sandblasted filter



**8917014**

IP68 Gel Connector max. 3 x 1,5 mm<sup>2</sup> for Ø 5,5 ÷ 10 mm cable



**8917004**

IP68 Gel Connector max. 3 x 4 mm<sup>2</sup> for Ø 9,5 ÷ 12 mm cable

### **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.

