

## SKYLINE

- \* Class II LED fitting suitable for street lighting, entirely designed and manufactured in Italy, consisting of a lower supporting body in die-cast aluminum, EN AB 46100 alloy.
- \* Die-cast aluminum heatsink, EN AB 46100 alloy.
- \* Upper cover in die-cast aluminum, EN AB 46100 alloy.
- \* Pole attachment in die-cast aluminum, EN AB 46100 alloy.
- \* 90° joint system for pole-top or arm installation, adjustable in steps of 7.5° + 15°/-7.5°.
- \* Adapters diameter 60, 42 and 72mm.
- \* Surface finish made by painting with embossed polyester powders RAL7039 with high resistance to corrosion, abrasion and chemicals type C5-M Offshore according to UNI EN ISO 12944 standard, resistant to salt spray test above 1000hr ASTM B117.
- \* External screws in AISI 304 A2 steel.
- \* Quick system for maintenance of the power supply compartment without using tools.
- \* Gore PolyVent / M12x1.5 HA valve, positioned in the upper part of the heat sink for stabilizing and reducing internal pressure, with high capacity anti-condensation function "1700 ml / min, 17 kg / m<sup>2</sup> / 24h", applied in the optical compartment.
- \* Extra clear tempered flat glass diffuser, 4mm thick.
- \* Finishing reflector in pure aluminum, 99.85%, matt satin surface treatment, designed for maximum flow recovery.
- \* Surface exposed to the wind less than 0.1 m<sup>2</sup> with superior dissipative fins to ensure better ventilation during normal use.
- \* IP66 degree of protection.
- \* IK10 degree of impact resistance.
- \* CSP type LED Free chip type LED for better heat exchange and not subject to VOC phenomena. (148lm/W @700mA T<sub>j</sub>=85°C) color temperature 4000K, available from 2200K to 5700K.
- \* Metal Core Printed Circuit Board (MCPCB) modules, 3kV electrical insulation resistance.
- \* Electrical connection guaranteed by quick-fit terminals, double insulation conductors with 0.75 mm<sup>2</sup> PVC section H05V2-U with glass braided lining, removable driver wiring plate.
- \* Access to the wiring compartment, by releasing 2 clips in cast aluminum, and spring in AISI 304 A2 stainless steel without the need for tools.

- \* The thermal transfer is entrusted to a graphite layer, with vertical and horizontal transmission capacity of 10W/m-K.
- \* Power from 35W to 140W, flows from 5200lm to 20800lm.
- \* The system is developed in 2 possible lighting solutions with street optics according to EN UN 12248 CLASSIFICATION Roads of M1, M3, M4 and CY suitable for cycle or pedestrian paths.
- \* Injection molded optics in methyl methacrylate polymer, PMMA anti UV UL94 compliant with incandescent wire resistance at 700°C.
- \* The product is developed according to the reference standards EN / IEC 60598-1: 2015 and in particular to EN/IEC 60598-2-3:2003; A1.
- \* In accordance with the regulatory requirements in EN 62471: 2008 (photobiological risk), the product is classified according to the "Exempt" risk group (ie RG0).
- \* ENEC, CE, Rohs, Reach certification.
- \* Wiring compartment gaskets in EPDM, available in silicone.
- \* Life expectancy (LM80, 79, TM21 test) LED 80000h L80B10 @ta 25°C, 50000h, L80B20 @ ta45°C. Standard operating temperature -35°C/+ 45°C.
- \* Electronic power supply 220-240V 50/60Hz.
- \* Impulse surge resistance 8kV in common mode; 6KV in differential mode, overvoltage protection with automatic shutdown > 285V, overload protection (limitation of the output voltage); short circuit protection (limitation of the output current); overvoltage protection (neutral disconnection); overtemperature protection, with first current reduction threshold (NTC), second with electrical disconnection of the product; according to EN 61000-4-5.
- \* Cosφ 0.95, harmonic distortion <4%.
- \* Failure analysis device integrated in the driver.
- \* IP68 3/5 poles connector with quick coupling.
- \* Energy saving class (A - A ++).
- \* Environmentally friendly product, with over 80% of recyclable components.
- \* Integration with control systems, remote management, with flow regulation through integrated applications within the driver and "Virtual Midnight" type scenarios.
- \* Standard 5-year warranty.