SOUL LED

* 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° articulation system for pole top or arm installation.

* 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.

* 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^2 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 Tj=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^2 PVC section H05V2-U with glass braided lining, removable driver wiring plate.

* Access to wiring compartment not necessary.

* Product complete with H05RN-F 3x2.5 mm^2 L=1.5mt cable, complete with IP68 fast connector.

* The thermal transfer is guaranteed by a graphite layer, with vertical and horizontal transmission capacity of 10W / m-K.

* Power from 35W to 175W, flows from 5200lm to 26000lm nominal.

* The system is developed in 4 possible lighting solutions with street optics according to EN UN 12248 road classification from M1, M3, M4 and CY suitable for cycle or pedestrian paths.

* Optics made by injection molding 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.