PIXEL

* Led fitting for outdoor applications, designed and manufactured completely in Italy, consisting of a front frame, dissipating body and closing hook in die-cast aluminum, EN AB 46100 alloy.

* Class II.

* Adjustable shaped and slotted steel bracket, electrolytic galvanizing surface treatment.

* Full painting with polyester powder after trivalent passivation RAL7039, embossed finish, resistant to salt spray test above 1000hr ASTM B117 against corrosion, abrasion and chemicals type C5-M offshore according to UNI EN ISO 12944 standard.

* External screws in AISI 304 A2 steel.

* Passive dissipation system integrated by Gore PolyVent/M12x1.5 HA valve, for stabilization and reduction of internal pressure, with high capacity anti-condensation function "1700 ml/min, 17 kg/m2/24h" applied in the wiring compartment.

* Tempered extra-clear flat glass diffuser, 4mm thick.

* Reflector with pure aluminium finish 99.85%, matt satin surface treatment, designed for maximum flow recovery.

* CSP type LED (148lm/W @700mA Tj=85°C) 4000K colour, available with colour temperatures 2200K, 3000K and 5700K.

* CRI greater than or equal to 80, minimum selection guaranteed 3step macAdams.

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

* Access to the wiring compartment, by releasing a clip in cast aluminum, and spring in AISI 304 A2 stainless steel, no tools.

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

* Power from 35W to 140W, flows from 5200lm to 20800lm nominal.

* Multi lens optical cluster, made by injection moulding in methyl methacrylate polymer, PMMA anti UV UL94 conforming to resistance to incandescent wire at 700°C.

* 4 possible lighting solutions: street type ME3, symmetrical 45°, symmetrical 120° and asymmetrical 55°.

* Full cut-off emission for ST and AS versions, compliant with regional laws on light pollution and UNI 10819.

* In accordance with the regulatory requirements in EN 62471:2008 (photobiological risk), the product is included in the "Exempt" risk group (aka RG0).

* ENEC, CE, Rohs, Reach certification.

* Wiring compartment gaskets in EPDM, (available in silicone).

* IP66 degree of protection.

* IK10 degree of impact resistance.

* Life expectancy (LM80, LM79, TM21 test) LED 80000h L80B10 @ta 25°C, 50000h, L80B20 @ta 45°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 over 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%.

* M20 cable gland equipped with IP68 anti-condensation valve.

* Energy saving class (A - A ++).

* Environmentally friendly product, with over 80% of recyclable components.

* Available with DALI power supply, variable current and "Virtual Midnight" flow reduction systems.

* Standard 5-year warranty.