

## ATOM

- \* Class I LED fitting for indoor and outdoor applications, designed and manufactured entirely in Italy, consisting of heat sink body and wiring compartment cover in aluminum alloy EN AB 46100, floating accessory compartment made of 30% fiberglass nylon.
- \* Suspension system on the ceiling, composed of 50cm long steel tie rods including steel snap hook for quick installation.
- \* Steel lower frame, electrolytic galvanizing surface treatment.
- \* Full painting with polyester powder after trivalent passivation RAL7039, embossed finish, resistant to salt spray test above 1000hr ASTM B117 to 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.
- \* CSP type LED (155-167lm / W @ 700mA Tj = 85 ° C) color temperature 4000K, available in 3000K and 5000K.
- \* 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<sup>2</sup> PVC section H05V2-U with glass lining, removable driver wiring plate.
- \* Thermal transfer is guaranteed by a graphite layer, with vertical and horizontal transmission capacity of 10W/m-K.
- \* Power from 45 to 184W, flows from 7550 to 28602lm nominal.
- \* IP66 multi-lens optical clusters, made by injection moulding in methyl methacrylate polymer, PMMA anti UV UL94 conforming to resistance to incandescent wire at 700°C.
- \* 2 possible lighting solutions, symmetrical 120° and 90°.
- \* 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.
- \* Certified according to UNI EN 13964:2014 resistance to impacts in the sports sector Class 1°(\*).
- \* Wiring compartment gaskets in EPDM, available in silicone.
- \* Silicone optical seals.
- \* IP66 degree of protection.

- \* IK05 degree of impact resistance.
- \* Life expectancy according to (LM80, 79, TM21 test) LED 77000h L80B10 @ta 25°C, 63000h, L80B20 @ta45°C for version powered at 700mA, and 70000h L80B10 @ta 25°C, 54000h, L80B20 @ta45°C for all other versions, 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%.
- \* 3/5 poles IP68 fast connector.
- \* 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.
- \* Available with electrolytic galvanized and adjustable steel bracket and polyester powder coated surface treatment after trivalent passivation.
- \* Available with steel protection grid(\*) and extra clear protection diffuser, 4mm thick, flat tempered, partially screen-printed.
- \* Standard 5-year warranty.