

## ECLIPSE

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- - Class II direct light pole lighting fixture, ideal for urban, residential contexts, historic centres, car parks, parks, gardens, cycle paths and pedestrian paths. conceived, designed and manufactured entirely in Italy, consisting of an upper load-bearing body in die-cast aluminium, UNI EN 1676:2010-EN AB-46100 alloy.
- - Made in Italy brand printed directly on the lower wiring compartment cover in die-cast aluminium, UNI EN 1676:2010-EN AB-46100 alloy.
- - Pole attachment diameter 76mm in die-cast aluminium, UNI EN 1676:2010-EN AB-46100 alloy.
- - 90° joint system for pole-top or whip installation/adjustable arm with steps
- - 7.5° +15°/-7.5° or Decorative arm for street furniture, (UD model)
- - Standard pole connection diam. 76mm with quick connect 60mm diameter adapter.
- - Full painting with Anthracite polyester powder after trivalent passivation, embossed finish, high resistance to corrosion, resistant to the salt spray test for more than 1000hr ASTM B117 to corrosion, abrasion and chemical substances type C4 according to standard UNI EN ISO 12944, hr>1000 ISO9227 .
- - External screws in AISI 304 A2 steel.
- - Passive dissipation system.
- - Diffuser in extra clear flat glass tempered according to UNI EN 12150-1:2019 standard, 4mm thick.
- - Surface exposed to frontal wind 0.065 and lateral 0.088 m<sup>2</sup>
- - IP67 protection rating.
- - Impact resistance grade IK09.
- - Insulation class II, available in class I on request.
- - Power type LED (>204lm/W @700mA Tj=85°C) color temperature from 2200K to 5000K, standard 4000K.
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- - CRI greater than or equal to 70, minimum selection guaranteed 3step macAdams.
- - Metal Core Printed Circuit Board (MCPCB) modules, 3kV electrical insulation resistance.
- - Electrical connection guaranteed through cable, multipolar, L= 1.5m 3x1.5mm<sup>2</sup> H07RN,
- - The product does not require opening for installation.
- - The thermal transfer is entrusted to a layer of graphite, with vertical and transmissive capacity
- - horizontal of 10W/m-K.
- - Standard wattage 16W, 32W and 48W, nominal fluxes (4000K) from 3135lm to 9405lm.
- - Multi-lens optical clusters, made by injection molding in methyl methacrylate polymer, anti-UV PMMA HB UL94 900°gwfi IEC60695-2-12 SAE J576 according to Zhaga standard.
- - 3 possible lighting solutions: asymmetric, street type ME3M and RSM.
- - Full cut-off emission for AS, CYC and ME3M versions, compliant with regional laws regarding light pollution and UNI 10819.
- - The product is developed according to the reference standards EN/IEC 60598-1:2015 and in particular 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 (i.e. RG0).
- - CE, ENEC, Rohs, Reach certification.
- - Flow maintenance according to LM80 54000hr L80 B10 @ta 25°C, 54000h, L80 B10 @ta45°C, standard operating temperature -30°C/+45°C.
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- - Resistance to 10kV impulse surges in common mode; 6kV in differential mode, overvoltage protection with automatic shutdown >285V, overload protection (output voltage limitation); short circuit protection (output current limitation); overvoltage protection (neutral disconnection); overtemperature protection, with first threshold in current reduction (NTC), second with electrical disconnection of the product; according to EN 61000-4-5.

- -  $\cos\phi$  0.98, harmonic distortion <5%, flicker  $\leq 4\%$ ,  $U_r > 95\%$
- - Energy saving class C.
- - Eco-friendly product, with over 80% of the components used recyclable.
- - Prepared for integration with Zhaga Book 18 system.
- - Standard 5 year warranty.
- - Available on request with DALI power supply, variable current and "Virtual Midnight" flux reduction systems, SPD 10kV.
- - Integration with control systems, remote management, with flow regulation via applications
- - integrated within the driver and scenarios such as virtual midnight.
- - On request color temperature from 2200K to 5000K.