



SMART (options)

| | |
|-----------------------|---|
| Smart-ready® (ZD4i) | ✓ |
| Dimming | ✓ |
| Detection | ✓ |
| Tunable White | ✓ |
| Moonlight technology | ✓ |
| WIZARD telemanagement | ✓ |

Details of the options and performance of each luminaire can be found in the ECLATEC LED solutions overview, which can be downloaded from our website: www.eclatec.com

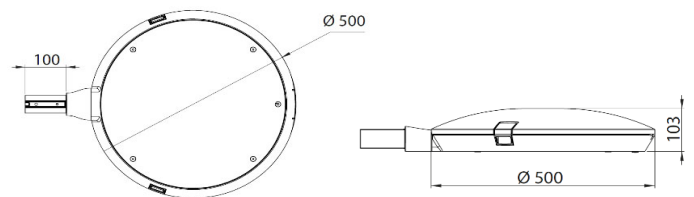
DESCRIPTION

| | |
|------------------------|--|
| Product | ITEM 500 |
| Housing | Die-cast aluminium |
| Plates | Smooth, Traid or Honeycomb |
| Bowl | Thermally tempered and screen printed flat glass (VPC) Deep clear polycarbonate bowl (PHC), optional internal diffuser) |
| Finition | Polyester powder coating, any colour available |
| Mechanical impact | IK 10 |
| Ingress protection | IP 66 sealing level in accordance with EN 60 529 Extruded silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter |
| Dimensions (diam. x h) | 500 x 103 mm |
| Weight | 9,7 kg |
| Windage area | 0,04 m² |
| Electrical class | I or II |
| Ambient temperature | - 40°C to + 55°C |
| Material assessment | Available in the PEP Product Environmental Profile sheets |

MAINTENANCE

| | |
|---------------------|---|
| Opening and closing | Opening without tools can be opened without tools using the 2 flaps. The luminaire is held open by a safety prop. |
| Device maintenance | Quick electrical disconnection without tools. Circuit board removable on site without tools |
| Source maintenance | Access to the LED sources after removal of the bowl. |

WIRED



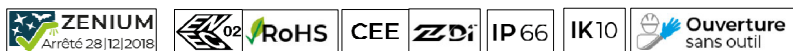
PLATES



LED SOURCES

| | |
|--|---|
| Sources | ORALED (12 to 26 LED) / BLS Strips (8 to 36 LED) |
| Colour temperature (K) | ORALED : 2700 K (U500=10%), 3000 K (U500=11%), 4000 K (U500=17%) (others upon request) BLS Strips: Ambre™ 1800 K" (U500=1%), 2200 K (U500=6%), 2700 K (U500=10%), 3000 K (U500=11%), 4000 K (U500=17%) (others upon request) |
| CRI | > 70 (others upon request) |
| Luminaire SDCM | <4 |
| LED lifespan | L90 > 100 000 h |
| Optics and light distribution options* | ORALED : ECL, ERS, ERL, LRE, LRM BLS strips: 3 symmetrical lenses (ECL, ECa, ECb) 7 asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 floodlight lenses (PFA, PSa, PAa) 2 crossing lenses (EPG, EPD) 2 types of backlight shield (option) |
| Photobiology | RG1 (3000 K) |

* Non exhaustive list



MECHANICAL INTERFACES

LL: Side entry coupled with sleeve for bracket end with external Ø 60 mm

LLM 60: Smooth lateral with covering sleeve Ø 60 mm

LRM: Side entry with swivel joint and Ø ¾" thread for female boss welded onto pole or bracket

LRL: Side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm

Top or bi-top: Fitting for pole Ø 60/62 mm. For pole Ø 76 mm top, optional spigot A

LTO 60 : Directional covering lateral top for Ø 60 mm

Wall mount and pad

SM: suspended with a threaded Nipple Ø 27 PDG (G3/4") and Ø 34 PDG

SCO: Catenary fixation - mechanical cable from 5 to 14 mm

U-bracket 1, 2 or 4 arms: penetrating tip for Ø 60 mm pole

PHC: post top fastening pole Ø 60/62 mm

DRIVERS

| | |
|---------------------|---|
| Power | 220 V / 240 V - 50 Hz / 60 Hz / integrated 10 kV overvoltage protection |
| Brand | PHILIPS Xitanium Full Prog ou INVENTRONICS OSRAM 4 DIM - Version D4i: SR, DEXAL ou TRIDONIC PRE |
| Power factor | 90% minimum |
| THD | 15% maximum |
| Current | Constant supply current adjustable up to 700mA* (in 1mA steps, within the nominal current range specified in the power supply data sheet) |
| Lifespan | 10% failure at 100 000 hours |
| Control | DALI or 1-10V |

* I>700mA on request

MAXIMUM PERFORMANCES

| | ITEM 500_3BLS12_36 LED | | |
|-----------------------|------------------------------------|--------------------------|-------------------|
| | Flux ^(A) at 700 mA (lm) | Power ^(B) (W) | Efficiency (lm/W) |
| 4000 K | 11975 | 75 | 160 |
| 3000 K | 11642 | 75 | 155 |
| 2700 K | 10644 | 75 | 142 |
| 2200 K | 9647 | 75 | 129 |
| Ambre/"1800 K" | 7983 | 75 | 106 |

(A)Output flux from the luminaire at commissioning (including thermal and optical yields compared to the flux from other sources) for given optics, maximal current and ambient temperature 25°C, as per IEC 62717 and IEC 62722 standards (B) Total power absorbed by the luminaire including all electrical equipment, as per IEC 62717 and IEC 62722 standards

STANDARD / MARKING / CERTIFICATIONS

| | |
|---|--|
| Compliance | CE, marking requirements : |
| | Directive 2014/35/EU, Low voltage Directive |
| | Directive 2014/130/EU Electromagnetic Compatibility |
| | Directive 2011/65/EU (RoHS) |
| Eligibility for Energy-saving certificates | Directive 2009/125/EC Ecodesign requirements |
| | French decree 'Limitation of light pollution' December 27, 2018 |
| NF EN 13201 | C.E.E, RES-EC-103, RES-EC 104 sheets |
| REACH | In accordance with the lighting calculations issued |
| WEEE | Products conformity regularly management of chemicals |
| RECYCLUM | (Waste Electrical and Electronic Equipment) Manufacturer involvement |
| ENEC/ENEC+ | ECLATEC, adhering member |
| | ENEC certified |

DarkSky compliancy



WARRANTY

See our general sales conditions on our website