



DESCRIPTION

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| Product name | TEO 45 S | TEO 55 S |
| Housing | Housing, cover and swivel joint in injected die-cast aluminium | |
| Bowl | Silkscreen printed, thermally toughened flat glass | |
| Mechanical impact protection code | IK 09 | IK 08 |
| Ingress Protection | IP 66 in accordance with the standard EN 60 529 Extruded pneumatic silicone gasket Cable gland with anchoring device Breathing system with activated carbon filter | |
| Mounting | LRL: side entry with plain swivel joint coupled with sleeve for bracket end with external Ø 60 mm. / LL: side entry coupled with sleeve for bracket end with external Ø 60 mm / Top: fitting for pole Ø 60/62 mm For pole Ø 76 mm top, optional spigot A. Luminaire tilted at 5°/ penetrating stirrup tilted at 5° for pole Ø 60 / 62 mm x 320 mm, h = 624 mm / Teo on cast aluminium plate | |
| Dimensions | Ø 435 x 90 mm | Ø 510 x 90 mm |
| Weight | 8,6 kg | 10,7 kg |
| Windage area | 0,10 m ² | 0,13 m ² |
| Electrical class | I or II | |
| Ambient temperature | - 40°C to + 40°C | |

MAINTENANCE

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| Maintenance | Direct access to the power supply after removing the cover using 4 captive screws (safety line) Access to the LED sources after removal of the cover (safety line) |
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LED SOURCES

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| Sources | ORALED (12 to 36 LED) / BLS Strips (8 to 72 LED) |
| Colour temperature (K) | ORALED: 3000 K, 4000 K BLS Strips: 2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request) |
| CRI | > 70 (others upon request) |
| Luminaire SDCM | <4 |
| LED lifetime | L90 > 100 000 h |
| Optics and light distribution options | ORALED: ECL, ERS, ERL, LRM, LRE BLS Strips: 3 x symmetrical lenses (ECL, ECa, ECb) 7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 x floodlight lenses (PFA, P Sa, PAa) 2 x crossing lenses (EPG, EPD) 2 types of backlight shield (option) |
| Photobiology | RG1 (3000 K) |

MAXIMUM PERFORMANCES (see annex for all LED modules options)

| | TEO 45 S - ORALED (26 LED) | | | TEO 55 S - 6BLS12 (72 LED) | | |
|--------|-----------------------------------|--------------------------|-------------------|-----------------------------------|--------------------------|-------------------|
| | Flux ^(A) at 700mA (lm) | Power ^(B) (W) | Efficiency (lm/W) | Flux ^(A) at 700mA (lm) | Power ^(B) (W) | Efficiency (lm/W) |
| 4000 K | 8478 | 56 | 151 | 18896 | 145 | 130 |
| 3000 K | 8221 | 56 | 147 | 18324 | 145 | 126 |
| 2700 K | 7450 | 56 | 133 | 16606 | 145 | 114 |
| 2400 K | 6808 | 56 | 122 | 15174 | 145 | 105 |
| 2200 K | 6679 | 56 | 119 | 14888 | 145 | 103 |

(A) Output flux from the luminaire at commissioning (including thermal and optical yields compared to the Flux from 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.

DRIVER

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| Power | 230 V / 240 V - 50 Hz / 60 Hz / pSurge protection 10Kv |
| Brand | Philips Xitanium Full Prog or OSRAM 4 DIM - D4I option (SR and DEXAL) |
| Power factor | 90% minimum |
| Total harmonic distortion | 15% max |
| Current | Dimmable current up to 1000 mA |
| Lifetime | 10% failure at 100 000 hours |
| Control | DALI or 1-10V |

SMARTLIGHTING (OPTIONS)

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| Smart-ready® | Pre-configuration, to connect communicating systems with Sensor Ready drivers, to a base in compliance with ZHAGA Book 18. |
| Standalone solutions | Dimming calculator from 2 to 5 slots (Dimming 5, POLEDRIIVE or POLEDRIIVE Bluetooth) Moving sensor (Motion, Motion P, Motion DALI) Moving sensor combined with dimming calculator (Motion P, Motion 5) Constant Light Output (CLO) Adjustable driver (POLEDRIIVE) |
| Local Network | Luminaires group: detection through ZIGBEE 3.0 communication protocol (Motion COM) or pilot wires. |
| Telemangement | WIZARD - ECLATEC |

STANDARDS / MARKING / CERTIFICATIONS

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| Compliance | CE marking requirements: - Directive 2014/35/EU, Low voltage Directive - Directive 2014/130/EU Electromagnetic Compatibility - Directive 2011/65/EU Restriction of Hazardous substances (RoHS) - Directive 2009/125/EC Ecodesign requirements |
| NF EN 13201 | In accordance with the lighting calculations issued. |
| REACH | Products conformity regulatory management of chemicals |
| WEEE | (Waste Electrical and Electronic Equipment) Manufacturer involvement |
| ENEC / ENEC+ | ENEC certified |

WARRANTY

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| Mechanical parts | According to our general sales conditions |
| Electrical parts | According to our general sales conditions |
| Painting | According to our general sales conditions |