

SMART (options)

Smart ready® (Zd4i)

Dimming ✓

Detection ✓

Moonlight technology ✓

Tunable white ✓

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 | TWEET NEO X1 |
| Housing | Injection die-cast aluminum |
| Bowl | Injection die-cast aluminum articulated bottom plate Thermally toughened flat glass |
| Mechanical impact | IK 10 |
| Ingress protection | IP 66 sealing level in accordance with EN 60 529 Extruded silicone gasket Anchored cable gland Breathing system with activated carbon filter Outer screws with a special corrosion protection |
| Dimensions | 572 x 320 x 92 mm |
| Weight | 4,8kg |
| Windage area | 0,05 m ² |
| Electrical class | I or II |
| Ambient temperature | - 40°C to + 55°C |
| Pre-wired | In option |
| Material assessment | Available in the PEP Product Environmental Profile sheets |

MECHANICAL INTERFACES

Post top for pole Ø 60/Ø 62 mm x 70 mm and pole Ø 76 mm x 90 mm

Side entry: side female sleeve for Ø 60/Ø 62 mm x 100 mm (fastener kit available as an option)

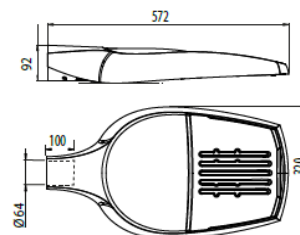
Post top bracket tilt 5°: female fastening for pole Ø 60/62 mm x 100 mm, Ø 42 mm and Ø 49 mm, For pole Ø 76 mm top, optional spigot A

Neck pillar bracket tilt 5°: male fastening for pole Ø 60/62 mm x 320 mm.
Luminaire tilted at 2°

MAINTENANCE

Maintenance
Opening without tools of the arch. Direct access to the power supply and BLS strips. Quick electrical disconnection without tools. Circuit board removable on site without tools.

HARD WIRED



LED SOURCES

| | |
|---|---|
| Sources | Barrettes BLS (8 to 36 LED) |
| Colour temperature (K) | 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) |
| SDCM Luminaire | <4 |
| LED lifespan | L90 > 100 000 h |
| Optics and light distribution options* | 3 x symmetrical lenses (ECL, ECa, Ecb) / x asymmetrical lenses (FRF) 6 x floodlight lenses (PFI, PFM, PFL, PFA, PSa, PAa) 2 x crossing lenses (EPG, EPD) 2 types of backlight shield (option) |
| Photobiology | RG1 (3000 K) |

* Non exhaustive list

MAXIMUM PERFORMANCES

| | TWEET NEO X1 - 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



| DRIVERS | | STANDARD / MARKING / CERTIFICATIONS | |
|----------------------|---|-------------------------------------|---|
| Power | 220 V / 240 V - 50 Hz / 60 Hz / integrated 10 kV overvoltage protection | Compliance | CE, marking requirements : Directive 2014/35/EU, Low voltage Directive Directive 2014/130/EU Electromagnetic Compatibility Directive 2011/65/EU (RoHS) Directive 2009/125/EC Ecodesign requirements French decree 'Limitation of light pollution' December 27, 2018 |
| 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) | | Eligibility for Energy-saving certificates C.E.E, RES-EC-103, RES-EC 104 sheets |
| Lifespan | 10% failure at 100 000 hours | NF EN 13201 | In accordance with the lighting calulations issued |
| Control | DALI or 1-10V | REACH | Products conformity regularoty management of chemicals |
| * I>700mA on request | | WEEE | (Waste Electrical and Electronic Equipment) Manufacturer involvement |
| | | ECOSYSTEM | ECLATEC, adhering member |
| | | ENEC/ENEC+ | ENEC certified |
| WARRANTY | | | |
| | | Mechanical parts | According to our general sales conditions |
| | | Electrical parts | According to our general sales conditions |
| | | Painting | According to our general sales conditions |