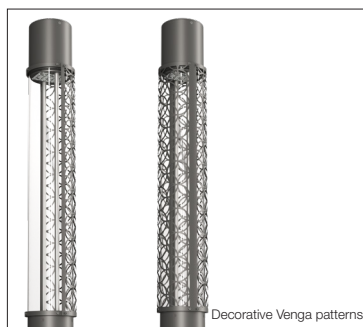




AXEL



Blackout cross patterns



Decorative Venga patterns



Decorative Lin patterns

**DESCRIPTIF**

|  |   |
|--|---|
| <b>Product name</b>                      | AXEL  |
| <b>Housing</b>                           | Cylindrical steel pole 3 m (total height 4 m)<br>Die cast aluminium bottom Ø 168 mm                       |
| <b>Finition</b>                          | Polyester powder coating, any colour available  |
| <b>Bowl</b>                              | Polycarbonate clear tube, Ø 170 mm  |
| <b>Mechanical impact protection code</b> | IK 10   |
| <b>Waterproofing</b>                     | P 66 waterproofing in accordance with the standard EN 60 529<br>Extruded pneumatic silicone gasket        |
| <b>Mounting</b>                          | Male bracket fastening luminaire for top fixation<br>Tubular pole Ø 170 mm with flange plate 300 x 300 mm |
| <b>Dimensions</b>                        | Ø 170 x 1147 mm   |
| <b>Weight</b>                            | 75 kg   |
| <b>Windage area</b>                      | 0,56 m <sup>2</sup>   |
| <b>Electrical class</b>                  | I or II   |
| <b>Ambient temperature</b>               | - 40°C to + 40°C  |

**MAINTENANCE**

|                    |   |
|--------------------|---|
| <b>Maintenance</b> | Access the equipment by removal of the upper cap from the light head. Quick electrical disconnection without tools. Removal the circuit board by 2 screws. Luminous head with removable AXEL module |
|--------------------|---|

**SOURCES LED**

|  |  |
|--|--|
| <b>Sources</b>                               | AXEL (24 LED)  |
| <b>Colour temperature (K)</b>                | 2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)   |
| <b>CRI</b>                                   | > 70 (others upon request)   |
| <b>Luminaire SDMC</b>                        | <4   |
| <b>LED lifetime</b>                          | L90 > 100 000 h  |
| <b>Optics and light distribution options</b> | 1 x symmetrical lenses (ECa)<br>7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS)<br>1 x floodlight lenses (PFA)<br>2 x crossing lenses (EPG, EPD)<br>2 types of backlight shield (option) |
| <b>Photobiology</b>                          | RG1 (3000 K)   |

**MAXIMUM PERFORMANCES (see annex for all LED modules options)**

|        | AXEL - (24 LED)                   |                          |                   |
|--------|-----------------------------------|--------------------------|-------------------|
|        | Flux <sup>(A)</sup> at 700mA (lm) | Power <sup>(B)</sup> (W) | Efficiency (lm/W) |
| 4000 K | 5464                              | 51                       | 107               |
| 3000 K | 5298                              | 51                       | 103               |
| 2700 K | 4801                              | 51                       | 94                |
| 2400 K | 4387                              | 51                       | 86                |
| 2200 K | 4305                              | 51                       | 84                |

(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**

|                                  |   |
|----------------------------------|---|
| <b>Power</b>                     | 230 V / 240 V - 50 Hz / 60 Hz / pSurge protection 10Kv                |
| <b>Brand</b>                     | Philips Xitanium Full Prog or OSRAM 4 DIM - D4i option (SR and DEXAL) |
| <b>Power factor</b>              | 90% minimum   |
| <b>Total harmonic distortion</b> | 15% max   |
| <b>Current</b>                   | Dimmable current up to 1000 mA  |
| <b>Lifetime</b>                  | 10% failure at 100 000 hours  |
| <b>Control</b>                   | DALI or 1-10V   |

**SMARTLIGHTING (OPTIONS)**

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

**STANDARDS / MARKING / CERTIFICATIONS**

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

**WARRANTY**

|                         |   |
|-------------------------|---|
| <b>Mechanical parts</b> | According to our general sales conditions |
| <b>Electrical parts</b> | According to our general sales conditions |
| <b>Painting</b>         | According to our general sales conditions |