Urban lighting luminaire

TRILOGA

Registered models - Design Massimo Sacconi

Queensland distributor
TRILOGA is a product with a strong design, featuring essential geometric lines that set it apart from the rest, perfect for integration in modern urban areas. TRILOGA is offered in two different sizes from 4m to 7m applications.

TRILOGA, available with street and symmetrical optics in the LED and discharge versions, creates a pleasant atmosphere in squares and pedestrian areas. TRILOGA 1 for SHP and MHL lamps up to 150W and CPO lamps up to 140W*. TRILOGA 2 for SHP and MHL lamps up to 250W and CPO lamps up to 140W*. TRILOGA LED features the LED Comfort Light Optic™ system.

*All the maximum powers shown are for ST optics.
TRILOGA HID

MECHANICAL CHARACTERISTICS


• EPDM seal.

• High transparency closure screen in flat tempered glass (4mm thickness).

• Optical unit in pure anodized and polished aluminum (99.85%).

• Removable metal gear plate.

• Integrated cable clamp.

• Fixing system in die cast aluminium alloy UNI EN 1706.

• Fast unfastening system in stainless steel.

IP66 protection degree.

ELECTRICAL CHARACTERISTICS

• Insulation class: I, II.

• Power supply: 230V - 50Hz.

• Electronic or ferromagnetic power supply unit, efficiency EEI = A3.

• Superimposed pulse ignitor with timer upon request.

• Power factor: > 0.9 (at full load).

• Connection for cables featured by a maximum cross section of 4mmq.

• Integrated on-load switch for luminaries in class II.

• Anti burst capacitor.

• Ceramic lamp holder.

• Available dimming options: please visit the relevant section for TRILOGA in the website.
### TRILOGA 1 HID

<table>
<thead>
<tr>
<th>WATTAGES</th>
<th>LAMP TYPE</th>
<th>LAMP HOLDER</th>
<th>OPTIC</th>
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For CDO-TT lamps, please, order SHP wiring.

*Only available with electronic power supply unit.

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For CDO-TT lamps, please, order SHP wiring.

*Only available with electronic power supply unit.
AVAILABLE OPTICS

**ST**: asymmetrical optic for street lighting.

**S**: symmetrical optic for urban lighting.

Please, download TRILOGA HID photometric data at www.aecilluminazione.com.
MECHANICAL CHARACTERISTICS

- EPDM seal.
- High transparency closure screen in flat tempered glass (4mm thickness) on each LED module.
- Optical unit in high efficiency metallised polycarbonate.
- Removable metal gear plate.
- Integrated cable clamp.
- Fixing system in die cast aluminium alloy UNI EN 1706.
- Fast unfastening system in stainless steel.
- IP66 protection degree.

ELECTRICAL CHARACTERISTICS

- Insulation class: I, II.
- Power supply: 220-240V - 50/60Hz.
- LED current: 525/700mA.
- Power factor: > 0.9 (at full load).
- Connection: connector for cables featured by a maximum cross section of 2.5mm².
- Integrated overvoltage protection:
  - Impulse withstand voltage: ≥7kV common/differential mode for CLASS I.
  - Impulse withstand voltage: ≥4kV common/differential mode for CLASS II.
  - Integrated SPD, Type II, In = 5kA, Imax = 10kA, Uoc = 10kV
- Optional fuse: 10A 250V gl.
- Optical unit lifetime:
  - 525mA:
    - ≥70.000hr B20L80 (including critical failures)
    - ≥100.000hr L80, TM-21;
  - 700mA:
    - ≥60.000hr B20L80 (including critical failures)
    - ≥100.000hr L80, TM-21.
- Available dimming options:
  - DA: automatic adjustment of the light flow.
  - DAC: customizable DA profile.
  - PLM: power line communication light flow adjustment.
AVAILABLE VERSIONS - LED

TRILOGA LED

AVAILABLE SIZES:
TRILOGA 1
18 LED
36 LED
TRILOGA 2
54 LED
72 LED

OPTICAL UNIT CHARACTERISTICS:
Modular optical system.
Led light source colour temperature: 4000K.
CRI: minimum 70.

AVAILABLE OPTICS:
ST: asymmetrical optic for street lighting.
OC: asymmetrical optic for pedestrian and cycle paths lighting.
S: symmetrical optic for urban lighting.

TRILOGA 1

TRILOGA 2

Please, download TRILOGA LED photometric data at www.aecilluminazione.com

ST

OC

S

Coordinate system C-Gamma, polar graph.
Street lighting

Coordinate system C-Gamma, polar graph.
Pedestrian and cycle path lighting

Coordinate system C-Gamma, polar graph.
Urban lighting
In order to improve both the performance and reliability of its products, AEC pays particular attention to the protection against overvoltage.

Thanks to the research performed within its own test laboratories, AEC is now able to offer dedicated and customized solutions according to the system selected by the customer.

AEC offers two different types of wiring and related protective devices:
- CLASS I: protection ≥ 7kV.*
- CLASS II: protection ≥ 4 kV.
- CLASS II + SPD: protection ≥ 4kV and surge arrester integrated into the unit.

AEC experience concerning LED technology permits to define the limits of reliability and to propose our customers better safety solutions according to the characteristics of the system.

The minimum requirements imposed by the product standards in the field of “surge protection” may, in some cases, be insufficient: for this reason AEC provides a variety of additional protections.

For further information please visit www.aecilluminazione.com. Click LED section on the menu and discover more about reliability & safety.

* For standard luminaires
**DESCRIPTION**
Square cross section steel pole consisting of one single section. Cable inlet slot and terminal box slot.

**FINISH**
Hot galvanized in accordance with UNI EN ISO 1461, and subsequent brushing to ensure perfect surface finish. Polyester powder coating.

**COLOURS**
Code 01, 02, 03, 04, RAL on request.

**Available Luminaire Heights**
- H1
- H2

**Section**
Installation examples

For more information about AEC Pole Division poles, please, consult the catalogue "The Best in Pole Design".
The information contained in this catalogue aren't binding. In order to guarantee a continuous updating of its products, AEC reserves itself the right to modify the contents without notice.