Street lighting luminaire

LEDin

Registered models - Design Massimo Sacconi

LED-in

AEC ILLUMINAZIONE

light life

The LED-in luminaire represents the synthesis of AEC philosophy, with a refined design attentive to details that goes hand in hand with the most advanced technology and the research for maximum performance.
LED-in has been developed for the use of LED technology only and features a Comfort Light Optic™ system, which thanks to the perfect control of the light emissions ensures outstanding performance and visual comfort, as well as great light quality. The wide range of driver solutions available (fixed, dimmer and remotely controlled drivers) enables further optimisation of the performance of the units.

MECHANICAL CHARACTERISTICS

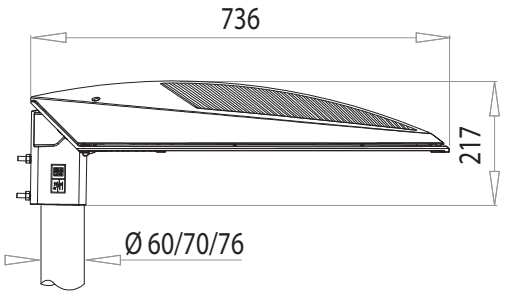
- Support frame in die cast aluminium alloy UNI EN 1706 black colour (code 02). Top cover in pressed aluminium, RAL 9003.
- Polyurethane seal.
- Closure screen in flat tempered glass (4mm thickness) featured by high transparency and optimum thermal and mechanical resistance (IK09).
- Optical unit in high efficiency metallised polycarbonate.
- Removable metal gear plate.
- Plastic cable gland M20x1.5mm - IP68.
- Integrated cable clamp.
- Fixing system: post top or bracket mounting in die cast aluminium alloy UNI EN 1706 for poles Ø60-Ø70-Ø76mm. Post top tilt: 0 °, 5 °, 10 °, 15 °. Bracket tilt: 0 °, -5 °, -10 °, -15 °.
- Stainless steel closure screws.

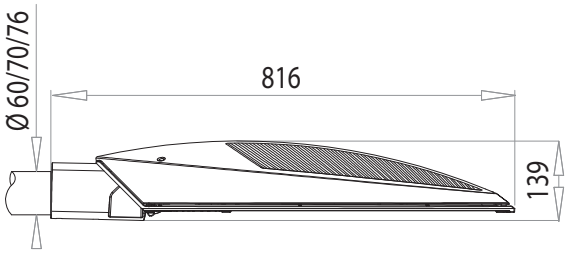
IP66 protection degree.

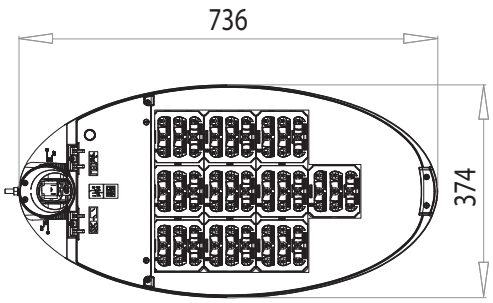
ELECTRICAL CHARACTERISTICS

- Insulation class: I, II.
- Power supply: 220-240V - 50/60Hz.
- LED current: 525/700mA.
- Power factor: > 0.9 (at full load).
- IP66/67 external connector for cables featured by a maximum cross section of 2.5mmq.
  External cable diameter: 9 to 12 mm.
- 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.
  D?A: customizable DA profile.
  PLM: power line communication light flow adjustment.

LEDin





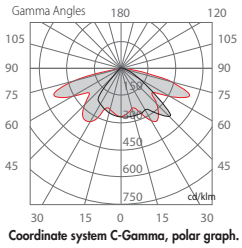


AVAILABLE SIZES:
18 LED
27 LED
36 LED
45 LED
54 LED
63 LED
72 LED
81 LED
90 LED

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

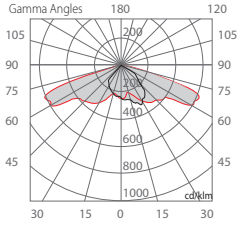
OPTICAL UNIT CHARACTERISTICS:
Modular optical system.
Led light source colour temperature: 4000K.
CRI: minimum 70.

ST



Coordinate system C-Gamma, polar graph.
Street lighting

OC



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

Please, download
LEDin photometric data at
www.aecilluminazione.com

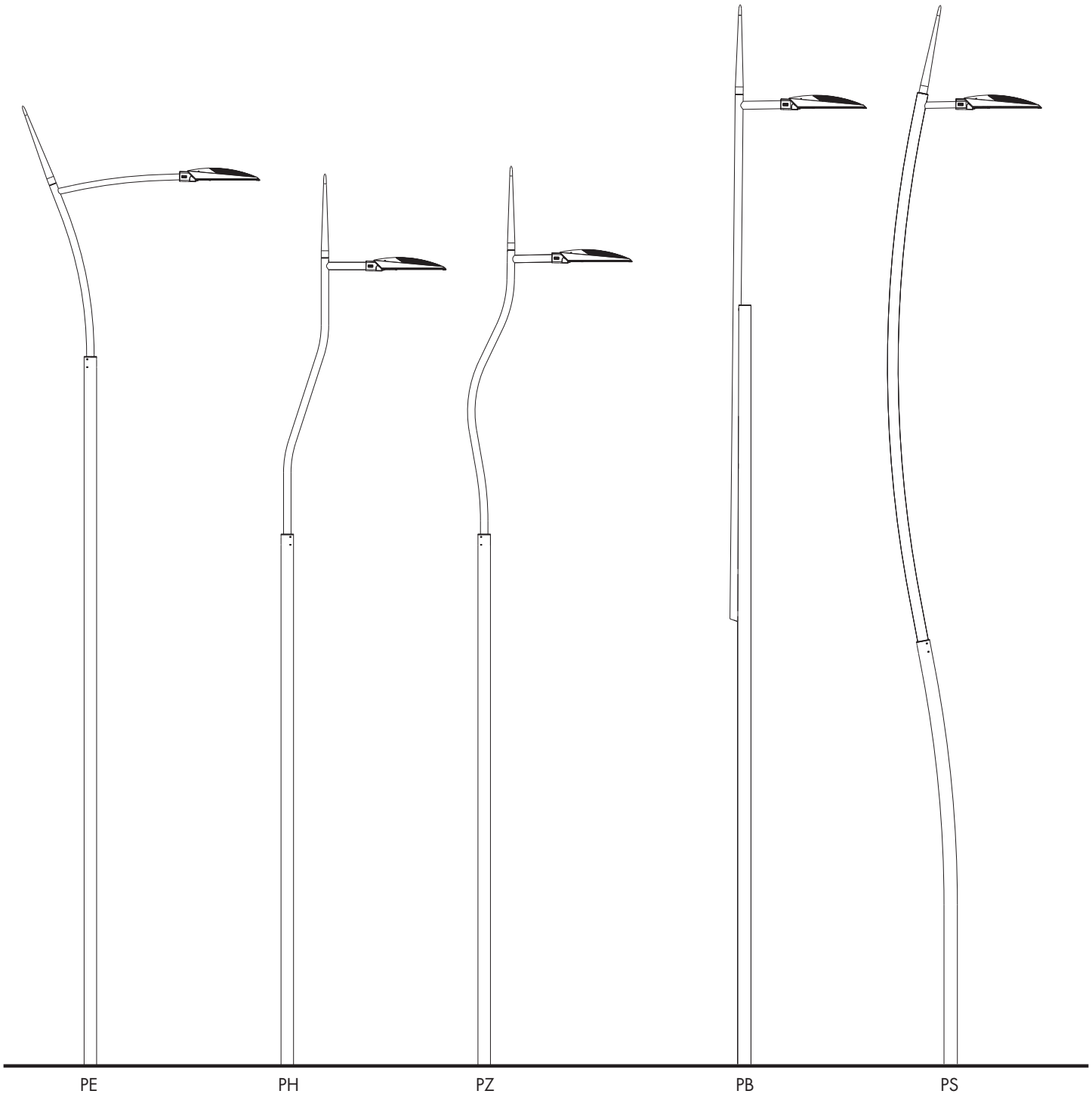
Protection against overvoltage

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

Installation examples

For more information about AEC Pole Division poles, please, consult the catalogue **"The best in pole design"**.



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