Street lighting luminaire

BABEL

Registered model - Design Massimo Sacconi

Babel

AEC ILLUMINAZIONE

light life

BABEL is the LED technology high power light tower for the illumination of roundabouts, car parks, and large areas.
With high performance LED modules, BABEL is offered with three different power levels, depending on the modules installed (6-12-18 modules). The unit is part of a 15m high two-trunk triangular section tower. The LED modules, removable and integrated in the structure, retain the IP protection degree of the optical assembly. An extraordinary example of maximum lighting engineering resistance and strong decorative value.

MECHANICAL CHARACTERISTICS OF THE LUMINAIRE

- Upper part consisting of: painted aluminium ring, satiny white colour (code 2D); painted galvanized steel supporting brackets, satiny white colour (code 2D).
- Maximum diameter of top ring: Ø2180mm.
- Closure screen in flat tempered glass (4mm thickness) featured by high transparency.
- LED modules are integrated into the frame and removable, maintaining IP degree of the optical compartment.
- Wiring compartment installed on top of the upper ring.
- Integrated cable clamp.
- Stainless steel closure screws.
- IP66 protection degree of the wiring and optical compartment.

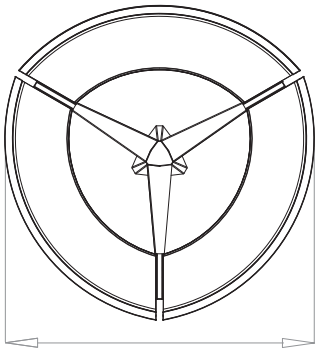
MECHANICAL CHARACTERISTICS OF THE COLUMN

- Column consisting of 2 triangular rods. The two rods must be coupled on site.
- Total height: 15m.
- Height above ground: 15m.
- Anchorage by means of base plate.
- Base diameter: Ø388mm.
- Top diameter: Ø180mm.
- Material: S355 JR steel.
- Column thickness: 4mm.
- Finish: hot dip galvanized according to EN 1461.
- Powder coating, satiny white colour (code 2D).

ELECTRICAL CHARACTERISTICS

- Insulation class: II.
- Power supply: 220÷240V - 50/60Hz.
- LED current: 525/700mA.
- Power factor: >0.9 (at full load).
- Network connection: complete system of outgoing cables and terminal blocks in order to facilitate the installation.
- Integrated overvoltage protection. Impulse withstand voltage: ≥4kV common / differential mode.
- Optical unit lifetime 700mA:
  ≥50.000hr B20L80 (including critical failures)
  ≥60.000hr L80, TM21
- Available dimming options:
  DA: automatic adjustment of the light flow.
  DAC: customizable DA profile.
  PLM: power line communication light flow adjustment.

BABEL

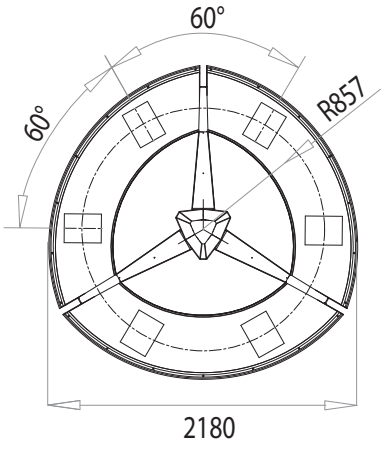


AVAILABLE SIZES:
6 MODULES
12 MODULES
18 MODULES

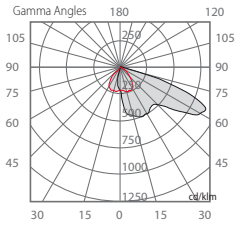
AVAILABLE OPTICS:
AS-4W: asymmetrical optic with max. 45° wide beam.
AS-6W: asymmetrical optic with max. 65° wide beam.
AS-6M: asymmetrical optic with max. 65° narrow beam.

OPTICAL UNIT CHARACTERISTICS:
Modular optical system.
LED light source colour temperature: 4000K, 5700K
CRI: ≥70.

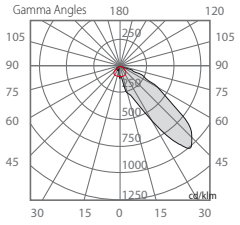
6 MODULES



AS

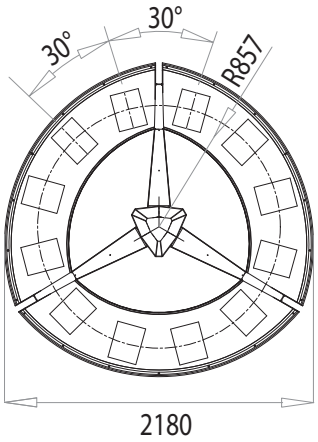


Coordinate system C-Gamma, polar graph.
Street lighting

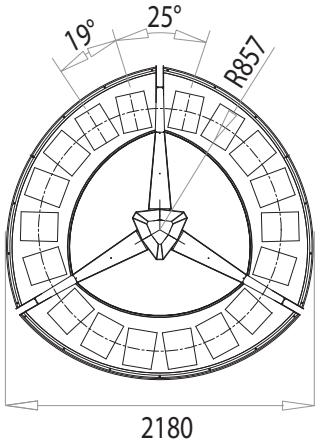


Coordinate system C-Gamma, polar graph.
Street lighting

12 MODULES



18 MODULES



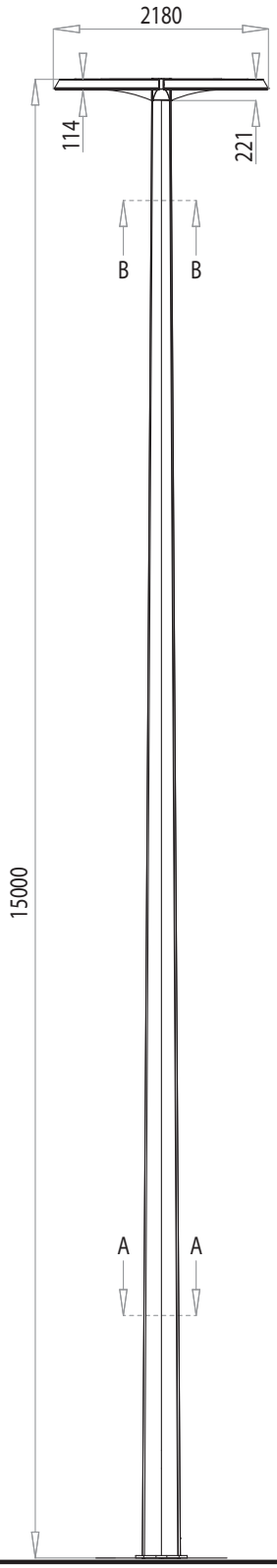
Please, download
BABEL photometric data at
www.aecilluminazione.com.

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

For more information about BABEL column, please, consult the catalogue **"The best in pole design"**.



AEC Illuminazione Srl
I-52010 Subbiano - Arezzo - Italy
Via Righi, 4 - Zona Industriale Castelnuovo
Tel. +39 0575 041110
Fax +39 0575 420878
aec@aecilluminazione.it
www.aecilluminazione.com