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## PRODUCT DATA SHEET

### Barcelona Led

**Code : 1604282N**

#### PRODUCT FAMILY

Urban architectural LED for use with Ø60mm pole top (IP65)

#### MATERIAL CHARACTERISTICS

Hexagonally shaped base in die-cast aluminium EN AB 46100 with thermosetting powder coating (based on carboxylated saturated polyester resins specifically selected for their high resistance to weathering) (hardener without TGIC) having pigments with high stability to light and heat.

Diffuser in thick (3.5mm) transparent PMMA, hexagonally shaped at base (connection to aluminium base) and circular at the top (connection to cover).

Cone shaped, circular cover in NYLON-FIBREGLASS30% moulded with "micro-shot blasted" finish.

Cone covering gear tray in black, moulded NYLON-FIBREGLASS30%.

Vandal and corrosion resistant because of the high quality materials used in manufacturing

Heat sink frame for in solid, anodised aluminium

Colours: Black.

Gaskets in silicone

Screws in stainless steel A2

#### LIGHTING CHARACTERISTICS

Lenses in highly transmittant PMMA (93% efficiency) with unilateral opening of light beam allowing for good spacing between fittings.

One lens for each group of 3 LEDs is fitted with a more diffused lens to guarantee uniformity of the light flux, especially directly below the fitting LEDs covers arranged in a ring formation, made from NYLON/ FIBREGLASS30% matte white colour, snaps into place without screws LED optics for a round symmetrical, predominantly frontal light throw, guaranteeing a good level of performance at elevated distances

Immediately ON at 100% of light flux

Lamps are in a fixed position

#### WIRING CHARACTERISTICS

Technical details 12 monochromatic Led

• 12 CREE Leds (divided into 4 modules), 4000K neutral white (NW), each module is individually replaceable. Power supplied at 700mA (Barcelona 12 Led)  
700mA 28W - 2988 lm

Technical details 24 monochromatic Led

• 24 CREE Leds (divided into 8 modules), 4000K neutral white (NW), each module is individually replaceable. Power supplied at 500mA or 700mA (Barcelona 24 Led)  
500mA 40W - 4608lm  
700mA 55W - 5976 lm

The modules are connected in parallel via a quick release connector, fixed to the thick circular anodised aluminium heat sink through n.2 screws. In the case of malfunction, one of the following situations may have occurred:

only one single LED, or in the worst case, one whole module malfunctions, however the remaining LEDs remain on.

Heat sink frame / LED modules are easily replaced because of polarised connector

#### INSTALLATION AND ORDINARY MAINTENANCE CHARACTERISTICS

Fixture for Ø60mm pole top installation

Fixing to pole using n.3 screws, n.1 of which is a through bolt (safety)

Ordinary maintenance by loosening n.1 screw placed at the top of the cover in order to access the optical compartment

#### MEASUREMENT CHARACTERISTICS

Conically shaped fixture with hexagonal-circular sections having a maximum diameter of Ø480mm and height of 505mm, with cone shaped cover

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#### Details

- Conformity with CEE directives
- Mounting on normal flammable surface
- Energy-saving fittings
- Resistant to atmospheric agents
- Inalterable to ultraviolet radiations
- emission 0.49cd/Klm for angles >90°
- Double insulation/class II
- IP 65

