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## PRODUCT DATA SHEET

### Barcelona Led

Code : 1604484N

#### PRODUCT FAMILY

- Urban architectural LED luminaire, suitable for uplight installation on poles Ø60mm on top (IP65)

#### MATERIAL CHARACTERISTICS

- Hexagonally shaped base made of die-cast aluminium (ADC12) anodized and painted
- Diffuser in thick (3,5mm) transparent PMMA (acrylic), hexagonally shaped at base (connection to aluminium base) and circular at the top (connection to cover)
- Circular shaped top cover in NY-FV30% moulded with "micro-shot blasted" finish
- Cone covering gear tray in black, NY-FV30%
- Heat sink frame for in solid, anodised aluminium
- Polyester powder coating with a pretreatment (Phosphochromating method) to ensure high protection against weathering
- Silicone gaskets
- A2 stainless steel screws

#### COLOUR

- Black textured

#### LIGHTING CHARACTERISTICS

- LED's lighting source in fixed position
- Immediately ON at 100% of the light flux
- Monochromatic LED module (12 Led's - 26,4W)
- Monochromatic LED module (24 Led's - 36,8W - 52,8W)
- Round symmetrical light throw
- Lenses in highly transmittant PMMA (93% efficiency) with unilateral opening of light beam allowing for good spacing between luminaire
- One lens for each group of 3 LED's is fitted with a more diffused lens to guarantee uniformity of the light flux, especially directly below the luminaire
- LED's covers arranged in a ring formation, made from NY/FV30% 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

#### WIRING CHARACTERISTICS 29,6W - 12 Led's

- n°4 monochromatic LED's module with n°3 Led's
- Built-in driver (700mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V

#### WIRING CHARACTERISTICS 41,4W - 24 Led's

- n°8 monochromatic LED's module with n°3 Led's
- Built-in driver (500mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V
- Voltage protection level L-PE <1500V

#### WIRING CHARACTERISTICS 59,2W - 24 Led's

- n°8 monochromatic LED's module with n°3 Led's
- Built-in driver (700mA driver output)
- Surge protection kit - SPD:
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V
- Voltage protection level L-PE <1500V

- The modules are connected in parallel via a quick release connector, fixed to the thick circular anodised aluminium heat sink through n.2 screws
- Heat sink frame for LED's in thick anodised aluminium connected to cover with thermo-

conducting silicone grease

- Heat sink frame/LED's modules are easily replaced because of polarised connector
- Easily extractable gear tray made from NY-FV30% connected to terminal with automatic connection
- In the case of malfunction, one LED module malfunctions, however the other modules remains functional keeping the light fitting on

#### INSTALLATION AND ORDINARY MAINTENANCE CHARACTERISTICS

- Luminaire for direct installation on pole tops Ø60mm
- Pre-wired with H05RN-F 2x1,5mmq cable (30cm) for the connection to the mains - 29,6W
- Pre-wired with H05RN-F 3x1,5mmq cable (30cm) for the connection to the mains - 41,4W - 59,2W
- 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

#### DIMENSIONS

- Conically shaped fixture with hexagonal-circular sections
- Ø515x505mm

#### TECHNICAL SPECS

- Step MacAdam: 3
- Lifetime Led's: L80/B50>60Kh Tc 85°C
- Lifetime driver: 50Kh
- Power factor: 0,97
- Warranty: 3 years

#### TECHNICAL SPECS 4000K - 29,6W

- LED's output: 3483lm@tc25°C
- Luminaire output: 2426lm@ta25°C
- LED's efficiency: 132lm/W
- Luminaire efficiency: 82lm/W
- LED's consumption: 26,4W
- Luminaire consumption: 29,6W
- Insulation class: II
- RG: 2 <40cm

#### TECHNICAL SPECS 3000K - 29,6W

- LED's output: 3288lm@tc25°C
- Luminaire output: 2291lm@ta25°C
- LED's efficiency: 125lm/W
- Luminaire efficiency: 77lm/W
- LED's consumption: 26,4W
- Luminaire consumption: 29,6W
- Insulation class: II
- RG: 2 <50cm

#### TECHNICAL SPECS 4000K - 41,4W

- LED's output: 5224lm@tc25°C
- Luminaire output: 3309lm@ta25°C
- LED's efficiency: 142lm/W
- Luminaire efficiency: 80lm/W
- LED's consumption: 36,8W
- Luminaire consumption: 41,4W
- Insulation class: I

- RG: 2 <45cm

TECHNICAL SPECS 3000K - 41,4W

- LED's output: 4933lm@tc25°C
- Luminaire output: 3124lm@ta25°C
- LED's efficiency: 134lm/W
- Luminaire efficiency: 76lm/W
- LED's consumption: 36,8W
- Luminaire consumption: 41,4W
- Insulation class: I
- RG: 2 <55cm

TECHNICAL SPECS 4000K - 59,2W

- LED's output: 6966lm@tc25°C
- Luminaire output: 4412lm@ta25°C
- LED's efficiency: 132lm/W
- Luminaire efficiency: 74m/W
- LED's consumption: 52,8W
- Luminaire consumption: 59,2W
- Insulation class: I
- RG: 2 <55cm

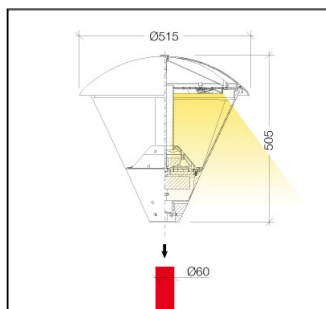
TECHNICAL SPECS 3000K - 59,2W

- LED's output: 6577lm@tc25°C
- Luminaire output: 4166lm@ta25°C
- LED's efficiency: 125lm/W
- Luminaire efficiency: 70lm/W
- LED's consumption: 52,8W
- Luminaire consumption: 59,2W
- Insulation class: I
- RG: 2 <65cm

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Details

- Conformity with EU Directives
- CLASS I
- Double insulation/class II
- IK08
- RG1
- CRI>80
- IP 65



|                        |   |   |       |    |         |      |
|------------------------|---|---|-------|----|---------|------|
| 220-240V 50/60Hz 59,2W |   |   |       |    |         |      |
| CE                     | ⊕ | □ | IK 08 | RG | CRI ≥80 | IP65 |

