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## PRODUCT DATA SHEET

### Challenge basic pole top

Code : 1577284N

#### PRODUCT FAMILY

- Urban architectural LED (IP65), complete with adaptor for pole top mounting on Ø60mm poles

#### MATERIAL CHARACTERISTICS

- Extruded aluminium housing EN AW 6026, manufactured with numerical control machines and then anodized
- Black moulded in NY-FV30% covering carter/housing
- 2mm thick hot-dip galvanized steel brackets 75µm UNI EN 1461
- Round pole top in hot-dipped galvanized steel S235JR UNI EN 10219, 75µm thick UNI EN 1461
- Polyester powder coating with a pretreatment (Phosphochromating method) to ensure high protection against weathering
- Silicone transparent optics
- Silicone gaskets
- A2 stainless steel screws

#### COLOUR

- Black textured

#### LIGHTING CHARACTERISTICS

- The light source can be tilted  $\pm 30^\circ$
- CUT-OFF luminaire conforming to all regional/local laws against light pollution
- Asymmetric optics: light flux projected with a "bat-wing" distribution, with opening of the light beam. Suitable for correct lighting of main and secondary roads
- Symmetric optics: allows for 360° light projection and is suitable for correct lighting of parks and parking areas
- Immediately ON at 100% of the light flux
- Luminaire conforms with local and international dark sky laws with emission 0.49cd/Klm for angles 90°, Rn 0.04% - 67.09%
- Visual LEDIL lenses in transparent optical grade silicon with precise light control and high efficiency

#### WIRING CHARACTERISTICS

- Led's Philips Fortimo SLM 1211G7
- Driver included
- Equipped with osmotic valve for leakage of air and humidity

#### INSTALLATION AND ORDINARY MAINTENANCE CHARACTERISTICS

- Luminaire for direct installation on Ø60mm poles
- Pre-wired with H07RN-F 2x1.5mmq cable (1mt) for the connection to the mains
- M20x1.5mm cable gland
- Ordinary maintenance (not necessary)
- Extraordinary maintenance by untightening 4 screws to access the wiring compartment in the reinforced thermoplastic carter

#### DIMENSIONS

- 376x128x165mm

#### OPTIONAL ACCESSORY (TO BE ORDERED SEPARATELY):

- Cod. CS160033 Surge protection kit
- When purchased the protection kit will be installed inside the luminaire
- Max impulse voltage UOC 10KV
- Voltage protection level L-N <1500V

#### TECHNICAL SPECS

- LED's type: Philips Fortimo SLM 1211G7
- Step MacAdam: 3
- Lifetime Led's: L80/B10 - 50Kh Tc 65°C
- Lifetime driver: 50Kh

- Power factor: 0.96
- Warranty: 3 years

#### TECHNICAL SPECS 4000K - 26.2W

- LED's output: 4465lm@tc25°C
- Luminaire output: 3694lm@ta25°C
- LED's efficiency: 192lm/W
- Luminaire efficiency: 141lm/W
- LED's consumption: 23.2W
- Luminaire consumption: 26.2W

#### TECHNICAL SPECS 3000K - 26.2W

- LED's output: 4229lm@tc25°C
- Luminaire output: 3500lm@ta25°C
- LED's efficiency: 183lm/W
- Luminaire efficiency: 133lm/W
- LED's consumption: 23.2W
- Luminaire consumption: 26.2W

#### TECHNICAL SPECS 4000K - 39.3W

- LED's output: 6485lm@tc25°C
- Luminaire output: 5303lm@ta25°C
- LED's efficiency: 181lm/W
- Luminaire efficiency: 135lm/W
- LED's consumption: 35.9W
- Luminaire consumption: 39.3W

#### TECHNICAL SPECS 3000K - 39.3W

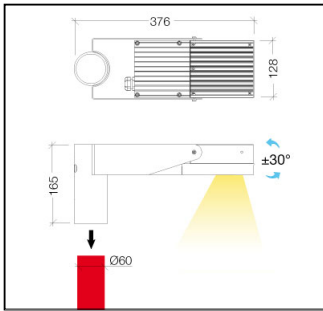
- LED's output: 6145lm@tc25°C
- Luminaire output: 5024lm@ta25°C
- LED's efficiency: 171lm/W
- Luminaire efficiency: 128lm/W
- LED's consumption: 35.9W
- Luminaire consumption: 39.3W

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#### Details

- Conformity with CEE directives
- Conforms to all regional/local laws against light pollution
- Double insulation/class II
- IK08
- RG1
- CRI>80
- CLASS A+
- IP 65





220-240V 50/60Hz 39,3W

CE	CUT OFF	IK 08	Rg	CRI $\geq 80$	A+	IP65
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