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## PRODUCT DATA SHEET

### Challenge System 48W

Code : 1595384N

#### PRODUCT FAMILY

- Urban architectural LED luminaire (IP65), complete with square pole 70x70mm for buried or plinth/floor installation (IP65)

#### 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 C-shaped hot-dip galvanized steel brackets 75µm 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

#### BURIED POLE - SYSTEM A

- Square pole 70x70x5800mm conforming to DIN norm for ground fixing made of hot-dip galvanised steel 75m UNI EN 1461
- Suggested plinth 1000x1000x1200mm

#### FLANGED POLE - SYSTEM B

- Square pole 70x70x5000mm conforming to DIN norm for plinth/floor fixing complete with flange made of hot-dip galvanised steel 75m UNI EN 1461
- 350x350mm flange, 12mm thick made of hot-dip galvanised steel 75m UNI EN 1461
- Suggested plinth 1000x1000x1200mm

#### COMPULSORY ACCESSORY SYSTEM B - COD.4000.0005

- Counter flange 350x350x3mm and anchor bolts kit M18x500mm made of hot-dip galvanised steel 75m UNI EN 1461

#### COLOUR

- Black textured

#### LIGHTING CHARACTERISTICS

- LED's lighting source in fixed position
- 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 complete with 70x70mm pole
- 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

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

- Cod. CS160032 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

- LED's output: 8930lm@tc25°C
- Luminaire output: 7130lm@ta25°C
- LED's efficiency: 192lm/W
- Luminaire efficiency: 136lm/W
- LED's consumption: 46.4W
- Luminaire consumption: 52.4W

#### TECHNICAL SPECS 3000K

- LED's output: 8458lm@tc25°C
- Luminaire output: 6755lm@ta25°C
- LED's efficiency: 182lm/W
- Luminaire efficiency: 129lm/W
- LED's consumption: 46.4W
- Luminaire consumption: 52.4W

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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



