

TENDER DOCUMENTATION

MAGNUM MT-16 LED 20W 4000K OPTICS-C; RAL9007

HOUSING:

- High-pressure die-cast aluminum housing
- The cooling fins of the housing are exposed to the atmosphere
- Gray body color (RAL9007), resistant to corrosion and brine
- Flat, tempered safety glass (optical output of LED lamp), thickness min. 5 mm
- Silicone seal around protective covers
- Stainless steel screws and washers
- Modular maintenance and repair of the luminaire is available
- Horizontal and vertical mounting on a pole / arm (FI42-60 mm) with adjustable tilt lamp
 - 0°, 10°, 15° (horizontal mounting)
 - 0°, 5°, 15° (vertical mounting).
- Protection against water and dust: minimum IP66
- Protection against mechanical impact: minimum IK09/IK08
- Built-in valve for pressure equalization
- Maximum net weight of the light: 4,6 kg
- IP66/68 quick connector to connect the light without opening the housing

OPTICAL CHARACTERISTICS:

- Road optics, full cut-off
- CCT: 4000 K
- CRI: ≥ 70
- Luminous efficiency of LED lamp: minimum 134 lm/W
- Minimum luminous flux of LED lamp: 2680 lm
- Drive current of LED module: maximum 400 mA
- Nominal power of LED lamp: maximum 20 W

ELECTRICAL CHARACTERISTICS:

- Input voltage: 120...277 V / 50 ~ 60 Hz
- Power factor: 0.95/0.90
- Operating temperature: -20 to +45 °C
- LED driver with thermal protection and surge protection minimum 10 kV
- 5-step automatic power reduction (Astronomical response)
- Long life span of LED lamp: >100.000 h (L80/B10)
- Electrical protection class (IEC): Class I (Class II on request)
- Ambient temperature: $T_a=35^{\circ}\text{C}$

ADDITIONAL:

- ENEC certificate
- EU origin
- 5-year warranty on all components
- ULOR = 0