

## TENDER DOCUMENTATION

MAGNUM MT-16 LED 20W 3000K OPTICS-M; RAL9007

### HOUSING:

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- 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:

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- Road optics, full cut-off
- CCT: 3000 K
- CRI:  $\geq 70$
- Luminous efficiency of LED lamp: minimum 117,8 lm/W
- Minimum luminous flux of LED lamp: 2356 lm
- Drive current of LED module: maximum 400 mA
- Nominal power of LED lamp: maximum 20 W

### ELECTRICAL CHARACTERISTICS:

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- Input voltage: 220...240 V / 50 ~ 60 Hz
- Power factor: 0.95/0.91
- Operating temperature: -20 to +45 °C
- LED driver with thermal protection and surge protection minimum 10 kV
- 5-step automatic power reduction (Astrological 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:

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