

## TENDER DOCUMENTATION

NAIT MT-12LED 3000K 20W H3 RAL9007 EL.CLASS-I

### 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 nuts, screws and washers
- Modular maintenance and repair of the luminaire is available
- Horizontal and vertical mounting on a pole / arm (F142-60 mm) with adjustable tilt lamp
  - 0° / ± 5° / ± 10° / ± 15° (horizontal mounting)
  - 0° / ± 5° / ± 10° / ± 15° (vertical mounting)
- Protection against water and dust: minimum IP66
- Protection against mechanical impact: minimum IK09
- Built-in valve for pressure equalization
- Maximum net weight of the light: 6,1 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: ≥70
- Luminous efficiency of LED lamp: minimum 116,5 lm/W
- Minimum luminous flux of LED lamp: 2346,8 lm
- Drive current of LED module: maximum 500 mA
- Total connected power of LED lamp: maximum 20,12 W

### ELECTRICAL CHARACTERISTICS:

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- Input voltage: 220...240 V, 50-60 Hz
- Operating temperature: -40 to +55 °C
- LED driver with thermal protection and surge protection minimum 10 kV
- 5-step automatic power reduction (Astronomical response)
- Electrical protection class (IEC): Class I ( Class II on request)
- Ambient temperature: Ta=55°C

### ADDITIONAL:

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