

L410EX-R-03

Explosion proof LED subsidiary marine light (3NM) Centralised concept

Explosion proof marine light providing 3 nautical mile red omnidirectional visual coverage for offshore structures. The design, with long life LEDs, makes the product ideal for the environmental conditions, easy installation and long maintenance intervals.



KEY FEATURES

- Reliable marine navigation light, low cost of ownership and low power consumption
- Suitable for Zone 1 and Zone 2 areas with gas explosion hazard Designed to work in conjunction with the NCCP concept
- 'U'-coded high voltage AC power supply from the NCCP for low cable costs and failure free synchronisation
- Light intensity complies with IALA requirements, even if the intensity of the lanterns is reduced with 25% (service condition factor, as per IALA E-200 (2008) Part 2, 5.1)
- Offshore coated, lightweight, corrosion free, seawater, UV and humidity resistant light alloy base
- Stainless steel mounting facilities to prevent corrosion problems
- Integrated Ex e connection box
- State of the art high power LEDs and technology provide superior life and reliability
- Very low power consumption due to efficient optical design
- Anti-bird spikes (to prevent bird fouling)

STANDARDS/CERTIFICATION

- Complies with IALA regulation; O-139 The marking of man-made offshore structures – September 2020; chapter 2, paragraph 2.2 – Subsidiary lantern
- Complies with IALA guideline; G1162; The marking of man-made offshore structures – December 2021, chapter 2.3 – Subsidiary lantern
- Certified to UK Department of Energy and Climate Change; Standard marking schedule for offshore installations – April 2011, chapter 3.2 – Subsidiary lights
- Certified to US Coast Guard; 33 C.F.R. Part 67 – Aids to Navigation on artificial islands and fixed structures – May 2004, Chapter 67.05-10, 67.30-5
- Cenelec EN 60079-0, EN 60079-7, EN 60079-18 and EN 60079-28
- Sira 12ATEX3060X; ATEX Ex II 2G Ex e mb op is IIC T4
- IEC 60079-0, IEC 60079-7, IEC 60079-18 and IEC 60079-28
- IECEx SIR 12.0025X; Ex e mb op is IIC T4 Gb
- ABNT NBR IEC 60079-0, ABNT NBR IEC 60079-7 and ABNT NBR IEC 60079-18 (optional)

PERFORMANCE CHARACTERISTICS

- Flashing red light, Morse code 'U' every 15 seconds by the NCCP
- Effective intensity: 15cd minimum (equals 3NM at ATF=0.74)
- Horizontal beam coverage: 360°
- Vertical beam profile: 2.5° FWTM minimum

ELECTRICAL CHARACTERISTICS

- Operating voltage: 230Vac max.; 400 Hz; 'U' coded supply from the NCCP
- Power consumption: 5W peak; 0.9W average
- Connection details: max. 4mm²; two M25 cable gland entries
- Earth connection: internal max. 4mm² and external M5

PHYSICAL CHARACTERISTICS

- Dimensions (L x W x H): 447 x 416 x 314 mm
- Weight: 21 kg
- Degree of protection: IP66
- Operating temperature range: -40°C to +55°C

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- Inmetro NCC 13.1774 X (optional)

SYSTEM DESIGN, CONTROL AND MONITORING

- Control and monitoring via separate control panel (see separate product information sheet)

