

# L410EX-W-06

## Explosion proof LED marine light (200cd) Centralised concept

Explosion proof marine light providing 6.5 nautical mile white 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
- Steady 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
- Very low power consumption due to efficient optical design
- Anti bird spikes (to prevent bird fouling)

### STANDARDS/CERTIFICATION

- Certified to Mining regulations of the Netherlands Dec. 2002, Article 5.4 – Marine light
- 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 Gb
- 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)
- Inmetro NCC 13.1774 X (optional)

### PERFORMANCE CHARACTERISTICS

- Steady burning white light, by the NCCP Intensity: 200cd minimum (equals 6.5NM at ATF=0.74)
- Horizontal beam coverage: 360°
- Vertical beam profile: 2.5° FWTM minimum

### ELECTRICAL CHARACTERISTICS

- Operating voltage: 230Vac max ; 400 Hz; supply from the NCCP™
- Power consumption: 5W
- Connection details: max. 4mm<sup>2</sup>; one M25 cable gland entry
- Earth connection: internal max. 4mm<sup>2</sup> and external M5

### PHYSICAL CHARACTERISTICS

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

### SYSTEM DESIGN, CONTROL AND MONITORING

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

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