

**Explosion proof marine light providing 10 nautical mile white omni-directional 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
- Coded high voltage AC power supply from the Navais Central Control Panel for low cable costs and failure free synchronisation
- 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 IALA recommendation; O-139; The marking of man-made offshore structures - Dec. 2008, chapter 2.1.2 - Marine light
- Certified to UK Department of Energy and Climate Change; Standard marking schedule for offshore installations - April 2011, chapter 3.1 (f) - Secondary light
- Certified to Mining regulations of The Netherlands - Dec. 2002, Article 5.3 - Marine light
- 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 and EN 60079-18
- Sira 12ATEX3060X; ATEX II 2G Ex e mb op is IIC T4 Gb
- IEC 60079-0, IEC 60079-7 and IEC 60079-18
- 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
- Inmetro NCC 13.1774 X

## Performance characteristics

- Flashing white light, Morse code 'U' every 15 seconds by the NCCP
- Effective intensity: 1400cd minimum (equals 10Nm 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: 12W peak; 2W average
- 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

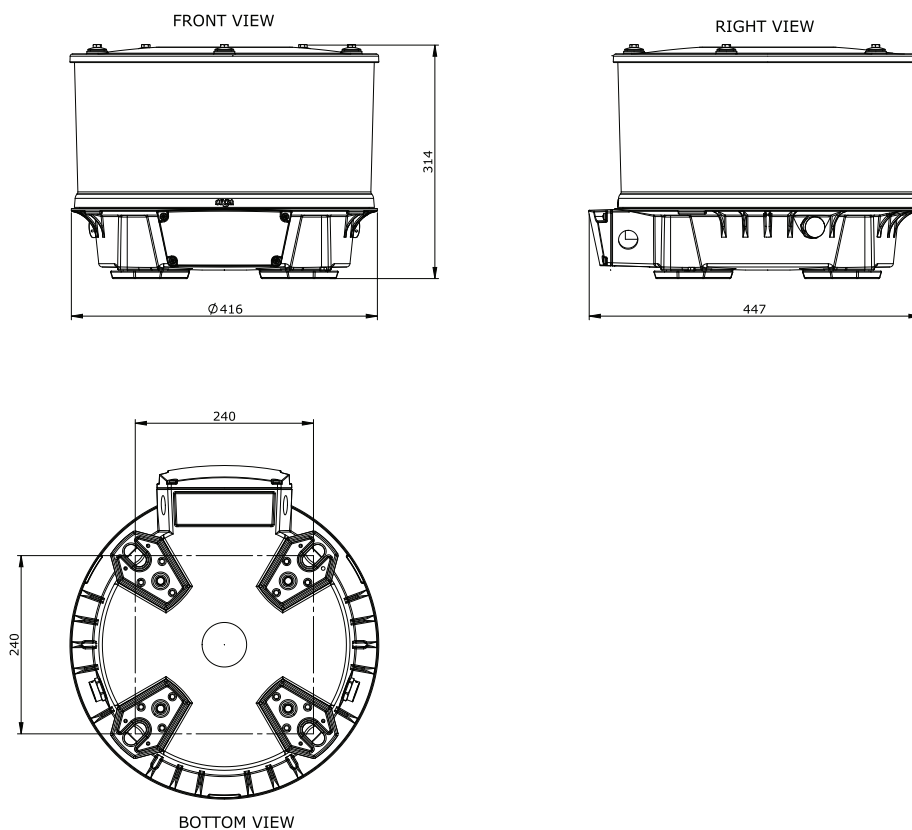
- Dimensions (L x W x H): 447 x 416 x 314 mm
- Weight: 21kg
- Design degree of protection: IP66
- Operating temperature range: -40°C to +55°C

## System design, control and monitoring

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

# L410EX-W-10

Explosion proof LED marine light (10Nm)



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