

# L310EX-W-10

Explosion proof LED main marine lantern (10Nm)

**Explosion proof main marine lantern providing 10 nautical miles 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
- Designed to work in conjunction with Navaid Central Control Panel (NCCP) concept
- 'U'-coded power supply from Navaid Central Control Panel (NCCP) for low cable costs and failure free synchronisation
- Light weight, strong and corrosion free, easy to open body including quick release clamps for easy maintenance
- State of the art high power LEDs and technology provide superior life and reliability
- Non-metallic, seawater, UV and humidity resistant base

## Standards/Certification

- Complies with IALA regulation; O-139 The marking of man-made offshore structures – Dec. 2008, chapter 2.1.2 – Marine lantern
- Complies with UK Department for Transport; Standard marking schedule for offshore installations – Dec. 1994, chapter 3.1 – Secondary marine lantern
- Complies with Mining regulations of the Netherlands – Dec. 2002, Article 5.3 - Marine lantern
- Complies with US Coast Guard; 33 C.F.R. Part 67 – Aids to navigation on artificial islands and fixed structures
- Cenelec EN 60079-0, EN 60079-7, EN 60079-11 and EN 60079-18
- KEMA 06ATEX0227; ATEX Ⓢ II 2G Ex e [ib] mb IIC T6

## Performance characteristics

- Flashing clear light, Morse code 'U' every 15 seconds by Navaid Central Control Panel (NCCP)
- Effective intensity: 1,750cd nominal (equals 10NM at ATF=0.74 + 25% IALA service factor requirement)
- Horizontal beam coverage: 360°
- Vertical beam profile: 2.5° minimum

## Electrical characteristics

- Operating voltage: 230Vac nominal; 400Hz; 'U' coded supply from Navaid Central Control Panel (NCCP)
- Power consumption: 25W / 33VA peak
- Connection details: max. 4mm<sup>2</sup>; one M25x1.5 cable gland entries

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continued

## Physical characteristics

- Dimensions (L x W x H):  
506 x 414 x 406mm
- Weight: 16.4kg
- Design degree of protection:  
IP65
- Operating temperature range:  
-20°C to +50°C

## System design, control and monitoring

- Fault monitoring with alarm contact(s) via separate system control and monitoring box (see separate product information sheet)

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