

# L420EX-W-05

## Explosion proof LED marine light (5 NM) Decentralised concept

Explosion proof marine light providing 5 nautical mile white omnidirectional visual coverage for offshore structures. The design, with long life LEDs, makes the product ideal for the environmental conditions 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
- Suitable for a 12VDC or 24VDC power supply\*
- Wireless synchronisation via GPS (separate synchronisation cable not required).
- Offshore coated, lightweight, corrosion free, seawater, UV and humidity resistant light alloy base
- Stainless steel mounting facilities to prevent contact 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

- Complies with US Coast Guard; 33 C.F.R. Part 67 – Aids to Navigation on artificial islands and fixed structures – May 2004, Chapter 67.05-10, 67.20-5
- 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 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

### PERFORMANCE CHARACTERISTICS

- Flashing white light, quick flash USCG
- Effective intensity: 75cd minimum (equals 5NM at ATF=0.74)
- Horizontal beam coverage: 360°
- Vertical beam profile: 2.5° FWTM minimum

### 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

### ELECTRICAL CHARACTERISTICS

- Operating voltage: 11 – 30 VDC\*
- Power consumption: Approx. 1.1W average during operation at specified flash character
- Connection details: max. 4mm<sup>2</sup>; one M25 cable gland entry
- Earth connection: internal max. 4mm<sup>2</sup> and external M5

### SYSTEM DESIGN, CONTROL AND MONITORING

- \*Power, control and monitoring functions by a small, locally mounted control box
- Synchronisation via GPS or optional hard wired

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