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L420EX-R-03

Explosion proof LED marine light (3 NM) Decentralised 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 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).
- 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 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 UK Department of Energy and Climate Change; Standard marking schedule for offshore installations – April 2011, chapter 3.2 (f) – Subsidiary light
- 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, 67.30-5
- Cenelec EN 60079-0, EN 60079-7 and EN 60079-18
- Sira 12ATEX3060X; ATEX Ex 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

PERFORMANCE CHARACTERISTICS

- Flashing red light, Morse code 'U' every 15 seconds or quick flash USCG (other character on request)
- Effective intensity: 15cd minimum (equals 3NM 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. 1W average during operation at specified flash character
- Connection details: max. 4mm²; one M25 cable gland entry
- Earth connection: internal max. 4mm² 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.

All values mentioned in this document are typical values. Document can be subject to modifications, without prior notice. Datasheet last modified on March 31, 2020.

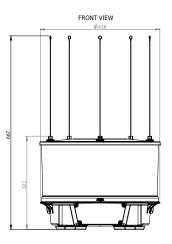


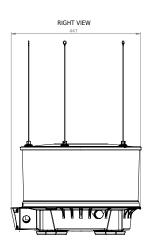
info@orga.nl P.O. Box 3046 T +31 (0)10 208 55 55 3101 EA SCHIEDAM F +31 (0)10 437 8445 The Netherlands Page 1 of 2

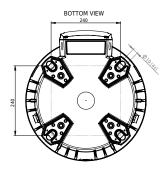


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info@orga.nl T +31 (0)10 208 55 55 3101 EA SCHIEDAM F +31 (0)10 437 8445

P.O. Box 3046 The Netherlands

Orga BV Strickledeweg 13 3125AT Schiedam The Netherlands