

L550-XXX- HHS/SRO + INFRARED SE

Helicopter Hoist Status &/or Search and Rescue light

The L550-HHS/SRO lights combines the helicopter hoist light (HHS) and the Search and Rescue Operations light (SRO) in one fixture. A separate HHS or SRO IR light is also available. This light is optimized for use in Offshore environments. The light for helicopter hoist operation is a green status light, which is flashing or steady burning to indicate the hoist status. The SRO is a steady burning red + infrared light to indicate target turbines in emergency cases. The lights incorporates the benefits of advanced LED, optical and system control technologies to meet the most demanding applications.



KEY FEATURES

- Designed for optimal corrosion resistance in offshore environments due to usage of best-in-class aluminium with "Excellent Resistance to Corrosion" classification and offshore proven coating system
- Optimised housing design minimizing the risk of coating damage during handling and installation
- Stainless steel mounting feet eliminating galvanic corrosion between feet and structure
- No maintenance required over service life.
- Orga optical design produces highly accurate and uniform narrow light beam
- Integrated design with build-in photocell and monitoring – no additional power supply enclosure needed.
- Integrated GPS based flash synchronization between lights, UTC 0.0.0.
- Low power consumption
- 15 year field proven power supply technology
- Made in the Netherlands

STANDARDS/CERTIFICATION

- Certified to CAA-UK CAP 437; Offshore helicopter landing areas – Guidance on standards, Feb. 2023, Appendix J – Helicopter hoist light
- Complies with Maritime Coastguard Agency – OREI SAR Requirements v3.0 Nov. 2021

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Steady and flashing mode available according to hoist operation
- Effective intensity: According to CAP437 Helicopter hoist light, or Search and Rescue light
- Vertical beam pattern: according to CAP437 Helicopter hoist light, or search and rescue light
- Infra-Red wavelength ~850 nm
- Infra-Red vertical beam pattern: according to MCA requirements

ELECTRICAL CHARACTERISTICS

- Operating voltage: 120-240Vac nominal 50-60Hz
- Power consumption: See table
- Overvoltage protection: Class III according to IEC61643-1

PHYSICAL CHARACTERISTICS

- Dimensions: L x W x H: see drawing
- Weight: 16kg
- Design degree of protection: IP65
- Operating temperature range: -40°C/+55°C
- Shipping information: 550 x 550 x 400 mm; approx. 20kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability
- Cable bending radius static: 10x cable diameter
- Outer cable diameter: Ø12.5 +/- 0.5 mm
- Cable weight: 260 g/m
- Level indicators for correct mounting

SYSTEM DESIGN, CONTROL AND MONITORING

- Use with an Orga CIP controller



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| Product | Additional information | | | |
|-------------------|------------------------------|-----|-------|----------|
| Type | Power consumption (W) @ 20°C | | | Standard |
| | Off | Day | Night | |
| HHS flashing mode | 6 | 23 | 7 | CAP437 |
| HHS steady mode | 6 | 23 | 7 | CAP437 |
| SRO-IR mode | 6 | 56 | 56 | MCA |

| Type | HHS mode | SRO mode |
|--------------------|----------|----------|
| L550-HHS-SE | V | |
| L550-HHS/SRO-IR-SE | V | V |
| L550-SRO-IR-SE | | V |



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