

L550-HHS/SRO-IR-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.
- Low power consumption
- 15 year field proven power supply technology
- Made in the Netherlands

STANDARDS/ CERTIFICATION

- In compliance with CE
- Certified to CAA-UK CAP437, Offshore helicopter landing areas- Guidance on Standards, Feb. 2023, Appendix J- Helicopter Hoist Light
- Certified to 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 and/ or Search and Rescue light
- Vertical beam pattern: according to CAP437 Helicopter Hoist Light and/ or Search and Rescue light
- Infrared wavelength ~850nm
- Infrared vertical beam pattern: according to MCA requirements

ELECTRICAL CHARACTERISTICS

- Available Operating voltages: 120-240Vac nominal 50-60Hz, see table
- Power consumption: See table, IR ±1W
- 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. 20 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- 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	Subtype	Operating mode			Operating voltage	Additional Information			
		Ready For Hoist	Unsafe To Hoist	Search and Rescue		Power consumption (W) @ 20°C			Standard
		HHS (flash)	HHS (steady)	SRO		Stand-By	Day	Night	
L550	-HHS/SRO-IR-SE	Yes	Yes	Yes	120-240Vac	6	23	7	CAP437 +MCA
L550	-HHS-SE	Yes	Yes	No	120-240Vac	6	23	7	CAP437
L550	-SRO-IR-SE	No	No	Yes	120-240Vac	5	57	57	MCA



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