

# L550-XXX-SE-G RED + INFRARED

## Medium intensity Red obstruction light

Red obstruction light for night time marking of structures that present a hazard to aviation. Optimized for use in Offshore environments. Red + Infrared flashing or Steady. 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 ICAO Annex 14 Volume 1, Ninth Edition, July 2022, Chapter 6, Medium Intensity Type B / C obstacle light
- Certified to French "Arrêté du 23 avril 2018 relatif à la réalisation du balisage des obstacles à la navigation aérienne"
- Certified to United States Federal Aviation Administration AC150/5345-43G, December 2012, including Engineering Brief 67D, Medium Intensity Type L-864 obstacle light
- Various national approvals available upon request

### PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Vertical beam pattern: 3° minimum
- Intensity Red light: See table
- Infra-Red wavelength ~850nm
- Infra-Red beam follows visible light, or beam is according to local standards

### ELECTRICAL CHARACTERISTICS

- Operating voltage: 120-240 Vac nominal 50-60 hz
- 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. 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 as a stand-alone light, or in a multiple light system with an Orga CIP controller
- Optional Orga CIP controller facilities provides control interfaces for:
  - "smart switch" aircraft detection input
  - Visibility condition variable intensity input
  - Visibility condition variable intensity input; intensity steps 30% and 10%
- Remote photocell control input/override



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Product	Light performance			Additional information			Standard
	Type	Day	Twi	Night	Power consumption (W) @ 20 °C	Day	
L550-3E5-W-IRM-SE-G	-	-	2000 cd "Morse Code W" Red 20 fpm + IR 60 FPM	6W	6W	28W	CAA+ MCA+ MOD
L550-63C-SE	-	-	2000 cd Red Steady	5W	5W	27W	ICAO
L550-63B-IR-SE-G	-	-	2000 cd Red 20 FPM + IR	5W	5W	19W	ICAO
L550-864-30-IR-SE-G	-	2000 cd Red 30 fpm + IR	2000 cd Red 30 fpm + IR	5W	18W	18W	FAA
L550-FR2-30-SE-G	-	-	200 cd Red 30 fpm	5W	5W	6W	STAC



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