

L550-XXX-D4-SE-G White Red Infrared

Medium intensity obstruction light

Obstacle light for day and night time marking of structures that present a hazard to aviation. Optimized for use in Offshore environments. White flashing in day and White flashing or Red flashing / steady in night mode. 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 A / B / C obstacle light
- Certified to French "Arrêté du 23 avril 2018 relatif à la réalisation du balisage des obstacles à la navigation aérienne"
- Various national approvals available upon request

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Vertical beam pattern: 3° minimum
- Intensity White light: See table
- 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: 48 Vdc; 40-64 Vdc
- 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			Power consumption (W) @ 20 °C			Standard
Type	Day	Tw	Night	Day	Tw	Night	
L550-63A/63B-IR-D4-SE-G	20.000 cd White 20 fpm	20.000 cd White 20 fpm	2000 cd Red 20 fpm + IR	23 W	23 W	17 W	ICAO
L550-63A-D4-SE-G	20.000 cd White 20 fpm	20.000 cd White 20 fpm	2000 cd White 20 fpm	23 W	23 W	13 W	ICAO
L550-63A/FR1-30/30-D4-SE-G	20.000 cd White 30 fpm	20.000 cd White 30 fpm	2000 cd Red 30 fpm	32 W	32 W	14 W	STAC
L550-63A/FR2-30/30-D4-SE-G	20.000 cd White 30 fpm	20.000 cd White 30 fpm	200 cd Red 30 fpm	32 W	32 W	6.8 W	STAC



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