

L550-xxx White & dual + IR

Medium intensity LED obstacle light

Obstacle light for day and night time marking of structures that present a hazard to aviation. White flashing in day and White flashing or Red flashing / steady + IR in night mode. Incorporates the benefits of advanced LED, optical and system control technologies to meet the most demanding applications.



KEY FEATURES

- Five year warranty
- Housing based on 30 years of experience offshore product design experience
- Lightweight and easy to install
- Extremely low wind factor
- Integrated design with built-in photocell and monitoring – no additional power supply enclosures required
- No maintenance required over service life
- Orga optical design produces highly accurate and uniform narrow light beam
- Integrated GPS based flash synchronisation between lights. UTC 0.0.0
- Extremely low power consumption
- Constant power draw – eliminates high peak power demands especially important when running from UPS
- 15 year field proven power supply technology
- Long life power supply to match LED life, does not use electrolytic capacitors
- Made in The Netherlands

STANDARDS/CERTIFICATION

- Certified to ICAO Annex 14 Volume 1, Ninth Edition, July 2022, Chapter 6, Medium Intensity Type A / Type B / Type C obstacle light
- Various national approvals available upon request

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Flashing: see table
- Effective intensity: see table
- Vertical beam pattern: 3° minimum
- Infra-Red wavelength ~850 nm
- 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 factor: >0.9 in day intensity mode
- Power consumption: See table
- Overvoltage protection: Class III according to IEC61643-1

PHYSICAL CHARACTERISTICS

- Dimensions: L x W x H: see drawing
- Weight: 12 kg
- Design degree of protection: IP65
- Operating temperature range: -40 °C/+55 °C
- Shipping information: 550 x 550 x400 mm; approx. 16 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- Cable bending radius static: 7x 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

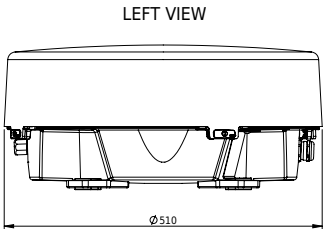
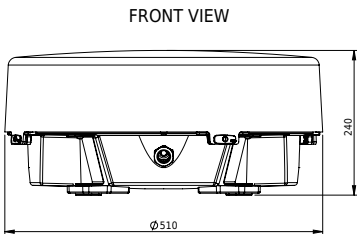
- Use as a stand-alone light, or in a multiple light system with an Orga CIP controller
- Optional Orga CIP controller facilities provides control interfaces for:
 - “smart switch” aircraft detection input
 - Visibility condition variable intensity input
 - Remote photocell control input/override
 - Visibility condition variable intensity input; intensity steps 30% and 10%



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Product	Additional information						
Type	Light performance			Power consumption @ 20 °C			Standard
	Day	Tw	Night	Day	Tw	Night	
L550-63A/63C-IR-G	20.000 cd 20 fpm White	20.000 cd 20 fpm White	2000 cd steady Red and IR	25 W	25 W	29 W	ICAO
L550-63A/63C-40/S-IR-G	20.000 cd 40 fpm White	20.000 cd 40 fpm White	2000 cd steady Red and IR	41 W	41 W	29 W	ICAO
L550-63A/63B-IR-G	20.000 cd 20 fpm White	20.000 cd 20 fpm White	2000 cd 20 fpm Red and IR	25 W	25 W	19 W	ICAO
L550-865-ISC-G	20.000 cd 40 fpm White	20.000 cd 40 fpm White	4000 cd 40 fpm White	37 W	37 W	11 W	FAA
L550-63A/63C-AA-IR-G	20.000 cd 20 fpm White	20.000 cd 20 fpm White	2000 cd Steady Red and IR	30 W	30 W	29 W	ICAO
L550-63A-IR-G	20.000 cd 20 fpm White	20.000 cd 20 fpm White	2000 cd 20 fpm White and IR	25 W	25 W	13 W	ICAO



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