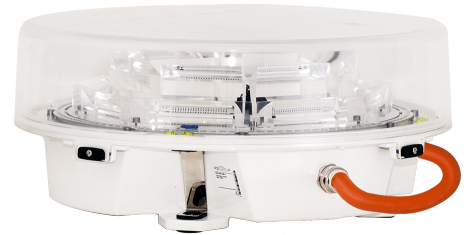


# L550-xxx Red FAA+IR

## Medium intensity Red LED obstruction light

Red flashing Obstruction light for night time marking of structures that present a hazard to aviation. Red flashing / steady/Infra-Red in night mode. Incorporates the benefits of advanced LED, Infra-Red 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
- 15 year field proven power supply technology
- Long life power supply to match LED life, does not use electrolytic capacitors
- Optional heaters for use in cold environments
- Made in The Netherlands

### STANDARDS/CERTIFICATION

- Certified to United States Federal Aviation Administration AC150/5345-43J, March 2019, including Engineering Brief 67D, Medium Intensity Type L-864 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: >0.8
- Power consumption: see table
- Overvoltage protection: Class III according to IEC61643-1

### PHYSICAL CHARACTERISTICS

- Dimensions: L x W x H: see drawing
- Weight: 12kg
- Design degree of protection: IP65
- Operating temperature range: -40°C/+55 °C
- Shipping information: 550 x 550 x 400 mm; approx. 16 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability
- 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 (W) @ 20 °C					Standard
	Day	Twi	Night	Day	Twi	Night	Heater* < -20 °C	Heater* >-20 °C and <10 °C	
L550-864-IR-G		2.000 cd 20 fpm Red and IR	2.000 cd 20 fpm Red and IR	6 W	19 W	19 W			FAA
L550-864-30-IR-G		2.000 cd 30 fpm Red and IR	2.000 cd 30 fpm Red and IR	5W	18 W	18 W			FAA

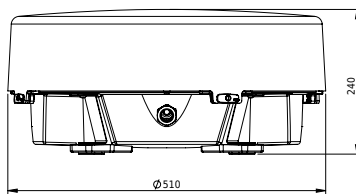
\* The heater power consumptions needs to be added to the standard power consumptions. Added power is consumed only when the heater function is active. Heater is activated automatically when temperature is  $\leq 10$  ° C and is only required in night mode.



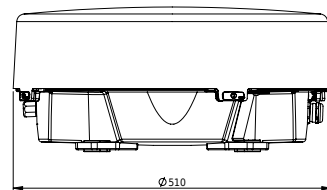
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FRONT VIEW



LEFT VIEW



BOTTOM VIEW

