

L550-GFW-ES-150-IRG2-G

Medium intensity Red LED obstruction light

Red flashing Obstruction light for night time marking of structures that present a hazard to aviation. Red flashing/Infra-Red flashing 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
- Optional 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 ICAO Annex 14 Volume 1, Sixth Edition, July 2013, Chapter 6, Medium Intensity Type B / C obstacle light
- Certified to AVV (German “General Administrative Regulation for the marking and lighting of obstacles to air navigation”) “Feuer W, rot”
- 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

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%

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: 12 kg
- 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



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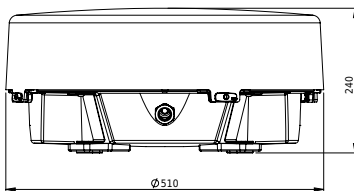
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Product							Additional information
Type	Light performance			Power consumption (W) @ 20 °C			Standard
	Day	Twilight	Night	Day	Twilight	Night	
L550-GFW-ES-150-IRG2-G	-	-	„Feuer W ES“ + IR (see notes)	5 W	5 W	12 W	Austria

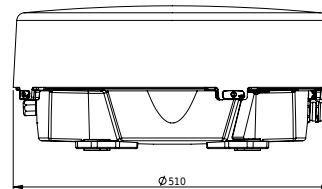
Note 1: The IR output of the L550-GFW-ES-IRG2-G is 600mW/sr.

Note 2: Switch over point night- twilight is at 150 lux

FRONT VIEW



LEFT VIEW



BOTTOM VIEW

