

L550-GFW-ES-IRG-G

German 'Feuer W, Rot ES' LED obstacle light

The L550 'Feuer W, rot ES' is a nacelle light for the German wind market. This flashing red obstacle light for night time marking fully complies with the German Hindernisfeuer AVV-ES. The light incorporates the benefits of advanced LED, optical and system control technologies visible for flying under Night Vision Goggles (NVG).



Key features

- Five year warranty
- Housing based on 30 years of 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
- Integrated GPS based flash synchronisation between lights. UTC 0.0.0
- No maintenance required over service life
- Orga optical design produces highly accurate and uniform narrow light beam
- Extremely low power consumption
- Long life power supply to match LED life, does not use electrolytic capacitors
- Flashing visible red light output with additional IR flashing light output
- Made in The Netherlands

Standards/Certification

- In compliance with 2020 AVV (German "General Administrative Regulation for the marking and lighting of obstacles to air navigation") "Feuer W ES, rot"

Performance characteristics

- Horizontal beam pattern: 360°
- Intensity Red light: See table
- Intensity IR light: See table
- Infra-Red wavelength ~850nm
- Infra-Red beam is according to AVV standards

Electrical characteristics

- Operating voltage: 120-240Vac nominal 50-60Hz
- Power consumption: See table
- Overvoltage protection: Class III according to IEC61643-1

Physical characteristics

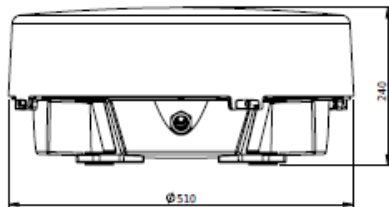
- Dimensions: L x W x H: see drawing
- Weight: 12 kg
- Design degree of protection: IP65
- Operating temperature range: -40 °C/+55 °C
- Shipping information: 550 x 550 x 400 mm; approx. 16 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability
- Cable bending radius: static 7x cable diameter
- Outer cable diameter Ø12.5 +/- 0.5 mm
- Cable weight: 261g/m
- Level indicators for correct mounting

System design, control and monitoring

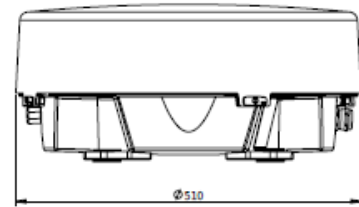
- Use as a stand-alone light, or in a multiple light system with an Orga CIP controller
- Optional Orga CIP controller facilities provides control interfaces for:
 - "smart switch" aircraft detection input
 - Visibility condition variable intensity input; intensity steps 30% and 10%
 - Remote photocell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

Product							Additional information
Type	Light performance			Power consumption (W) @ 20 °C			Standard
	Day	Tw	Night	Day	Tw	Night	
L550-GFW-ES-IRG-G	-	-	„Feuer W ES + IR flashing (60 fpm)	5*	5*	13*	AVV

FRONT VIEW



LEFT VIEW



BOTTOM VIEW

