

L240-GFW-(ES)-IRG-(D4)-G

German 'Feuer W, (Rot)' LED obstacle light

The L240 'Feuer W, (Rot)' is a nacelle light for the German wind market. This red flashing 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 and or only additional IR flashing light output
- Made in The Netherlands

STANDARDS/CERTIFICATION

- Certified to AVV (2020) (German “General Administrative Regulation for the marking and lighting of obstacles to air navigation”) “Feuer W, Rot (ES)”

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
- Operating voltage: 40-64Vdc
- Power consumption (Red + IR): See table
- Power consumption Infrared: ±5W
- Overvoltage protection: Class III according to IEC61643-1

PHYSICAL CHARACTERISTICS

- Dimensions: (L x W x H): See drawing
- Weight (without cable): <3 kg
- Shipping information:
 - (L x W x H) 360 x 360 x 360 mm <4 kg
 - Design degree of protection: IP66
 - Operating temperature range: -40°C/+55 °C
- Supplied with pre-mounted Orga cable for easy installation and high reliability
- Cable bending radius: static 10x cable diameter
- Outer cable diameter Ø12.5 +/- 0.5 mm
- Cable weight: 261 g/m

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



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Product	Subtype	Light Performance			Operating voltage	Additional Information			
		Day	Twilight	Night		Power consumption (W) @ 20°C			Standard
L240	-GFW-ES-IRG-D4-G	-	-	GFW-ES Coded Red + 60 FPM IR	40-64Vdc	1	1	4.8	AVV
L240	-GFW-IRG-G	-	-	GFW Coded Red + 60 FPM IR	120-240Vac	1	1	8.3	AVV
L240	-GFW-ES-IRG-G	-	-	GFW-ES Coded Red + 60 FPM IR	120-240Vac	1	1	5	AVV
L240	-IRG-G	-	-	German 60 FPM IR	120-240Vac	1	1	1.5	AVV



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