

L240-XXX-(D4)-G

Low Intensity LED obstacle light

Red obstruction light for night time marking of structures that present a hazard to aviation. Red steady/ infrared steady burning 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 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 ICAO Annex 14 Volume 1, Ninth Edition, July 2022, Chapter 6, Low Intensity type A, B

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Intensity Red light: See table
- Intensity IR light: See table
- Infrared wavelength ~850nm
- Infrared beam is according to Finnish TraFi

ELECTRICAL CHARACTERISTICS

- Operating voltage: 120-240Vac nominal 50-60Hz
- Operating voltage: 40-64Vdc
- Power consumption (Red + IR): See table
- Power consumption Infrared: ±0.5W
- 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			Standard
		Day	Twilight	Night		Power consumption (W) @ 20°C			
					Day	Twilight	Night		
L240	-62A-IRF-D4	-	-	10 cd Steady Red + IR	40-64Vdc	-	-	2.7	ICAO TraFi
L240	-62B-IRF-D4	-	-	32 cd Steady Red + IR	40-64Vdc	-	-	4.4	ICAO TraFi
L240	-62A-IRF-H-D4	-	-	10 cd Steady Red + IR	40-64Vdc	-	-	2.7	ICAO TraFi
L240	-62B-IRF-H-D4	-	-	32 cd Steady Red + IR	40-64Vdc	-	-	4.4	ICAO TraFi
L240	-62Aa-IRFa-D4	10 cd Steady Red + IR	10 cd Steady Red + IR	10 cd Steady Red + IR	40-64Vdc	2.7	2.7	2.7	ICAO TraFi
L240	-62Btn-IRFtn-H-D4	-	32 cd Steady Red + IR	32 cd Steady Red + IR	40-64Vdc	-	4.4	4.4	ICAO TraFi
L240	-62Btn-IRFtn-D4	-	32 cd Steady Red + IR	32 cd Steady Red + IR	40-64Vdc	-	4.4	4.4	ICAO TraFi
L240	-62A-IRF	-	-	10 cd Steady Red + IR	120-240Vac	1	1	2.9	ICAO TraFi
L240	-62B-IRF	-	-	32 cd Steady Red + IR	120-240Vac	1	1	4.9	ICAO TraFi
L240	-62A-IRF-H	-	-	10 cd Steady Red + IR	120-240Vac	1	1	2.9	ICAO TraFi
L240	-62B-IRF-H	-	-	32 cd Steady Red + IR	120-240Vac	1	1	4.9	ICAO TraFi
L240	-62Ba-IRFa-H	32 cd Steady Red + IR	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	4.9	4.9	4.9	ICAO TraFi
L240	-62Aa-IRFa	10 cd Steady Red + IR	10 cd Steady Red + IR	10 cd Steady Red + IR	120-240Vac	2.9	2.9	2.9	ICAO TraFi
L240	-62Btn-IRFtn-H	-	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	1	4.9	4.9	ICAO TraFi
L240	-62Ba-IRFa	32 cd Steady Red + IR	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	4.9	4.9	4.9	ICAO TraFi
L240	-62Btn-IRFtn	-	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	1	4.9	4.9	ICAO TraFi
L240	-GP-50	-	-	-	120-240Vac	<1	<1	<1	ICAO
L240	-62Btn-IRFa	Steady IR	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	1	4.9	4.9	ICAO TraFi
L240	-62Btn-IRFa-H	Steady IR	32 cd Steady Red + IR	32 cd Steady Red + IR	120-240Vac	1	4.9	4.9	ICAO TraFi



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