

L550 Red + Infra-Red

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 ICAO Annex 14 Volume 1, Sixth Edition, July 2013, Chapter 6, Medium Intensity Type B / C obstacle light
- Certified to 2020 AVV (German “General Administrative Regulation for the marking and lighting of obstacles to air navigation”) “Feuer W ES, 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

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

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			Heater* <-20 °C		Heater* >-20 °C and <10 °C		Standard
	Day	Tw	Night	Day	Tw	Night					
L550-63B-IR-G	-	-	2.000 cd Red 20 fpm IR	5 W	5 W	19 W					ICAO
L550-63Ba-IRa-G	2000 cd Red 20 fpm Red and IR	2000 cd Red 20 fpm Red and IR	2000 cd Red 20 fpm Red and IR	19 W	19 W	19 W					ICAO
L550-63Ba-IRa-H-G	2000 cd Red 20 fpm Red and IR	2000 cd Red 20 fpm Red and IR	2000 cd Red 20 fpm Red and IR	19 W	19 W	19 W	45 W	23 W			ICAO
L550-63C-IR	-	-	2.000 cd steady Red and IR	5 W	5 W	27 W					ICAO
L550-63C-H-IR			2.000 cd steady Red and IR	5 W	5 W	27 W	45 W	23 W			ICAO
L550-63Ca-IRa	2.000 cd steady Red and IR	2.000 cd steady Red and IR	2.000 cd steady Red and IR	27 W	27 W	27 W					ICAO
L550-3E5-W-IRM-G	-	-	2.000 cd "morse W" and IR 60 fpm	5 W	5 W	29 W					CAA + MOD
L550-3E5-W-IRMS-G			2.000 cd "morse W" and IR 60 fpm	5 W	5 W	28 W					CAA + MOD + MCA
L550-UK1-IRM-G		-	25 cd Red and IR 60 fpm	5 W	5 W	16 W					MOD

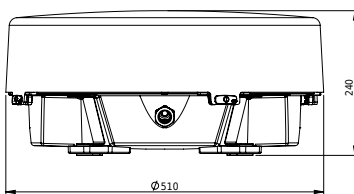


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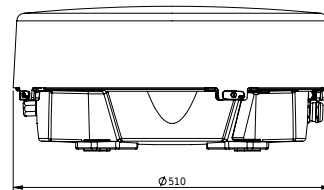
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Product	Light performance			Additional information					
Type	Light performance			Power consumption (W) @ 20 °C			Heater* < -20 °C	Heater* >-20 °C and <10 °C	Standard
	Day	Tw	Night	Day	Tw	Night			
L550-IRM-G	-	-	IR 60 fpm	-	-	19 W			MOD
L550-GFW-ES-IRG1-G	-	-	„Feuer W ES“ + IR (see note 2)	5 W	5 W	12 W			AVV
L550-GFW-ES-IRG2-G			„Feuer W ES“ + IR (see note 3)	5 W	5 W	13 W			AVV
L550-GFW-ES-IRG-G			„Feuer W ES“ + IR	5 W	5 W	11 W			AVV

FRONT VIEW



LEFT VIEW



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