L550-xxx-Red

Medium intensity Red LED obstacle light

Red flashing obstacle light for night time marking of structures that present a hazard to aviation. Red flashing / steady 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 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
- 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"
- Certified to French "Arrêté du 23 avril 2018 relatif à la réalisation du balisage des obstacles à la navigation aérienne"
- Various national approvals available upon request

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Flashing: see table
- Effective intensity: see table
- Vertical beam pattern: 3° minimum

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 %

All values mentioned in this document are typical values.
Document can be subject to modifications, without prior notice.
Datasheet last modified on March 25, 2020.

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Product	Additional information						
Type	Light performance			Power consumption (W) @ 20 °C			Standard
	Day	Tw	Night	Day	Twi	Night	
L550-63B-G	–	–	2.000 cd 20 fpm Red	6 W	6 W	18 W	ICAO
L550-63Ba-G	2000 cd 20 fpm Red	2000 cd 20 fpm Red	2000 cd 20 fpm Red	18 W	18 W	18 W	ICAO
L550-63BD-G	–	–	2.000 cd 20 fpm Red	6 W	6 W	18 W	ICAO
L550-63C	–	–	2.000 cd Steady Red	6 W	6 W	27 W	ICAO
L550-63Ca	2.000 cd Steady Red	2.000 cd Steady Red	2.000 cd Steady Red	27 W	27 W	27 W	ICAO
L550-63CD	–	–	2.000 cd Steady Red	6 W	6 W	27 W	ICAO
L550-63B-ISA-G	–	2000 cd 20 fpm Red	200 cd 20 fpm Red	6 W	18 W	7 W	ICAO
L550-63B-ISB-G	2.000 cd 20 fpm Red	2.000 cd 20 fpm Red	200 cd 20 fpm Red	18 W	18 W	7 W	ICAO
L550-FR2-G	–	–	200 cd 20 fpm Red	6 W	6 W	6 W	STAC
L550-FR2-30-G	–	–	200 cd 30 fpm Red	6 W	6 W	6 W	STAC
L550-GFW-G	–	–	“Feuer W” Red	6 W	6 W	11 W	AVV
L550-GFW-ES-G	–	–	“Feuer W” Red	6 W	6 W	10 W	AVV

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Product	Additional information						
Type	Light performance			Power consumption (W) @ 20 °C			Standard
	Day	Tw	Night	Day	Twi	Night	
L550-3E5-W-G	–	–	2.000cd “morse W” Red	6 W	6 W	2 7W	CAA
L550-UK1-G	–	–	25 cd 20 fpm Red	6 W	6 W	12 W	CAA
L550-UK2-G	–	–	200 cd 20 fpm Red	5 W	5 W	19 W	CAA

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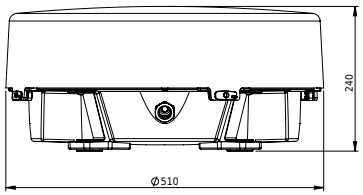
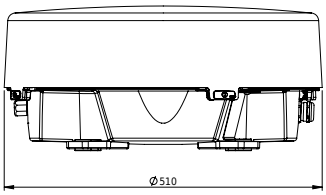
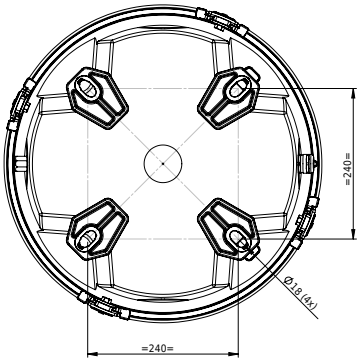
FRONT VIEW



LEFT VIEW



BOTTOM VIEW



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