

L550 red & dual white/red

Medium intensity LED obstruction light

Obstruction light for day and night time marking of structures that present a hazard to aviation. White flashing in day and white flashing or 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 automatic flash synchronisation between lights
- 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 A / Type B / Type C obstacle light
- Complies with the specific requirements for obstruction lights described in UK CAA CAP 393 article 220 (10 January 2015) and Policy statement of November 2012 concerning lighting of wind turbines in UK territorial waters
- Complies with UK MOD requirements for infra-red light for marking of wind turbines
- Certified to AVV (German "General Administrative Regulation for the marking and lighting of obstacles to air navigation") "Feuer W, rot" ES
- 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: 48Vdc; 40-64Vdc
- Power consumption: see table
- Overvoltage protection: Class III according to IEC61643-1

Physical characteristics

- Dimensions: L x W x H: see drawing
- Weight: 12kg
- Design degree of protection: IP65
- Operating temperature range: -40°C/+55°C
- Shipping information: 550 x 550 x 400 mm; approx. 16kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- Cable bending radius = 120mm
- Outer cable diameter Ø14.5 +/- 0.5mm
- Level indicators for correct mounting

System design, control and monitoring

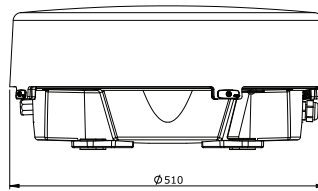
- Use as a stand-alone light, or in a multiple light system with an Orga CIP controller
- Optional Orga CIP controller facilities provides control interfaces for:
 - "smart switch" aircraft detection input
 - Visibility condition variable intensity input
 - Remote photocell control input/override
 -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

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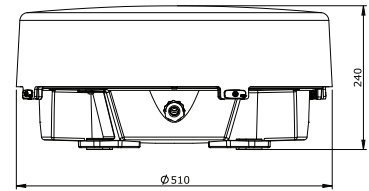
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Product Type	Additional information						
					Power consumption (W) @ 20 °C		Standard
	Day	Night	Day	Night			

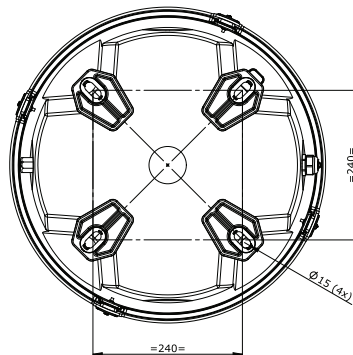
LEFT VIEW



FRONT VIEW



BOTTOM VIEW



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