

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
- Design life of 20 years
- 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
- Long life power supply to match LED life, does not use electrolytic capacitors
- Constant power draw – eliminates high peak power demands especially important when running from UPS
- 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
- Certified to United States Federal Aviation Administration AC150/5345-43G, December 2012, including Engineering Brief 67D
- 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: 120-240Vac nominal 50-60Hz
- Power factor: >0.9 in day intensity mode
- 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: 550x 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%

L550-xxx-white-dual

Medium intensity LED obstruction light

Product	Additional information							Standard
	Type	Light performance			Power consumption (W) @ 20 °C			
		Day	Tw	Night	Day	Tw	Night	
L550-63A-G	20.000cd 20fpm White	20.000cd 20fpm White	2.000cd 20fpm White	24W	24W	12W	ICAO	
L550-63A-40-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 40fpm White	42W	42W	14W	ICAO	
L550-63A/63B-G	20.000cd 20fpm White	20.000cd 20fpm White	2.000cd 20fpm red	24W	24W	18W	ICAO	
L550-63A/63B-40/40-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 40fpm red	41W	41W	20W	ICAO	
L550-63A/63C-G	20.000cd 20fpm White	20.000cd 20fpm White	2.000cd Steady red	24W	24W	29W	ICAO	
L550-63A/63C-40/S-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd Steady red	41W	41W	29W	ICAO	
L550-63A/63B-IR-G	20.000cd 20fpm White	20.000cd 20fpm White	2.000cd 20fpm red + IR	24W	24W	19W	ICAO	
L550-865	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 40fpm White	36W	36W	7W	FAA	
L550-865-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 40fpm White	36W	36W	7W	FAA	
L550-864/865	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 20fpm red	36W	36W	17W	FAA	
L550-864/865-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 20fpm red	36W	36W	17W	FAA	
L550-864/865-30/40	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 30fpm red	36W	36W	17W	FAA	
L550-864/865-30/40-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 30fpm red	36W	36W	17W	FAA	
L550-864/865-30/40-IR	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 30fpm red	36W	36W	17W	FAA	
L550-864/865-30/40-IR-G	20.000cd 40fpm White	20.000cd 40fpm White	2.000cd 30fpm red	36W	36W	17W	FAA	
L550-865-ISC-G	20.000cd 40fpm White	20.000cd 40fpm White	4.000cd 40fpm red	37W	37W	11W	FAA	

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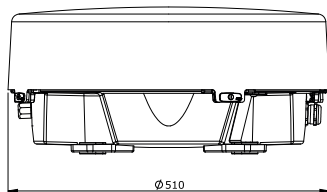
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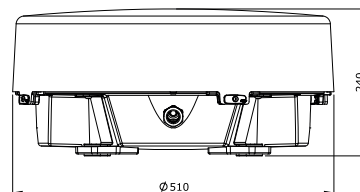
L550-xxx-white-dual

Medium intensity LED obstruction light

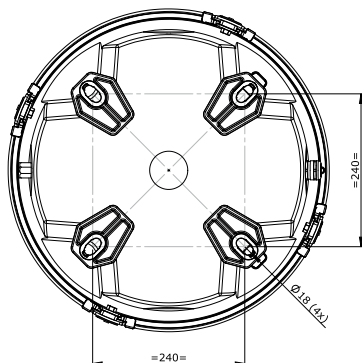
LEFT VIEW



FRONT VIEW



BOTTOM VIEW



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