

# L500 white & dual white/red

## High intensity LED obstruction light

High intensity 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 / Infra-Red 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
- Built in GPS for synchronisation
- 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
- Constant power draw for white variants – 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

- Complies with ICAO Annex 14 Volume 1, Sixth Edition, July 2013, Chapter 6, High Intensity Type B obstacle light
- Trafi wind turbines day markings and obstacle lights 12.11.2013

### PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: 360°
- Flashing: see table
- Effective intensity: see table
- Vertical beam pattern: 3° minimum
- Infra-Red (if applicable) wavelength ~850nm

### ELECTRICAL CHARACTERISTICS

- Operating voltage: 120-240Vac nominal 50-60Hz
- Power factor: >0.9 in day intensity mode
- Power consumption: see table
- Power consumption heater: standard 95w
- Overvoltage protection: Class III according to IEC61643-1

### PHYSICAL CHARACTERISTICS

- Dimensions: L x W x H: see drawing
- Weight: 23kg
- Design degree of protection: IP65
- Operating temperature range: -40°C/+45°C
- Shipping information: 666 x 666 x 530 mm; approx. 24.9 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- 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 provide control interfaces for:
  - ‘smart switch’ aircraft detection input
  - Remote photocell control input/override
  - Visibility condition variable intensity input; intensity steps 100%, 30% and 10%



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Product	Additional information						
Type	Light performance			Power consumption (W) @ 20 °C			Standard
	Day	Tw	Night	Day	Tw	Night	
L500-63B-G	100.000cd 40fpm white	20.000cd 40fpm white	2.000cd 40fpm white	115W	24W	16W	ICAO
L500-63B2-IRF	50.000cd 40fpm White	10.000cd 40fpm White	1.000cd 40fpm White +IR	60w	15w	11w	Trafi
L500-63B-IRF-G	100.000cd 40fpm White	20.000cd 40fpm White	2.000cd 40fpm White + IR	103w	24w	14w	Trafi
L500-63B2/63B2-IRF	50.000cd 40fpm white	10.000cd 40fpm white	1.000cd 40fpm red + IR	65W	16W	11W	Trafi
L500-63B2/63C2-IRF	50.000cd 40fpm white	10.000cd 40fpm white	1.000cd steady red + IR	65W	16W	13W	Trafi
L500-63B-IR-G	100.000cd 40fpm White	20.000cd 40fpm White	2000cd 40fpm White +IR	107W	26W	18W	ICAO



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