

L500 WHITE INCL INFRARED

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 night mode incl Infrared. 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

Standards/Certification

- Complies with ICAO Annex 14 Volume 1, Sixth Edition, July 2013, Chapter 6, High Intensity Type B obstacle light
- In compliance with Swedish standard TFSF 2020:88

Performance characteristics

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

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

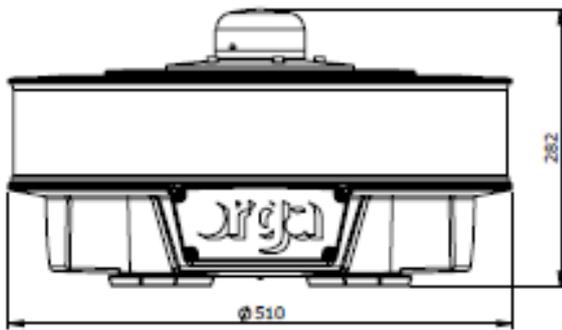
- Dimensions: L x W x H: see drawing
- Weight: 23kg
- Design degree of protection: IP65
- Operating temperature range: -40°C/+45 °C
- Shipping information 666 x 666 x 530 mm; approx. 24.9 kg
- Supplied with pre-mounted Orga cable for easy installation and high reliability ready for use
- Cable bending 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

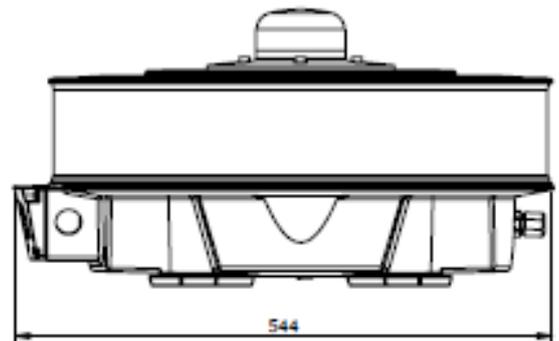
- Use as a stand-alone light, or in a multiple light system with an Orga CIP controller
- Optional Orga CIP controller facilities provide control interfaces for:
 - "smart switch" aircraft detection input
 - Remote photocell control input/override
 - Visibility condition variable intensity input; intensity steps 100%, 30% and 10%

Product	Additional information						
Type	Light performance			Power consumption (W) @ 20 °C			Comment
	Day	Twilight	Night	Day	Twilight	Night	
L500-63B-IRFa-G	100.000 cd 40fpm White+ IR	20.000cd 40fpm White+ IR	2.000cd 40fpm White + IR	107W	26W	18W	0° elevated beam
L500-63B-1E-IRFa-G	100.000 cd 40fpm White+ IR	20.000cd 40fpm White+ IR	2.000cd 40fpm White + IR	107W	26W	18W	1° elevated beam
L500-63B-2E-IRFa-G	100.000 cd 40fpm White+ IR	20.000cd 40fpm White+ IR	2.000cd 40fpm White + IR	107W	26W	18W	2° elevated beam

FRONT VIEW



RIGHT VIEW



BOTTOM VIEW

