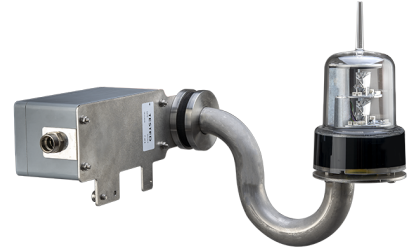


L92-XXX-E

Low intensity red obstruction light

The L92-XXX-E is Orga's low intensity tower light specifically designed for the offshore wind industry. This red LED obstacle light marks the tower of a wind turbine at night. The light fixture is equipped with a main and standby LED light source and is positioned on the outside of the tower, where its power supply is mounted inside the tower to provide easy access. Designed with smart LED technology including IR and robust due to its sealed housing.



KEY FEATURES

- Steady burning/flashing red obstacle light (10-50 cd)
- Light fixture installed on the outside of wind turbine tower
- Sealed enclosure light design with no maintenance required over service life
- Power supply unit installed inside the tower reducing the need for external access
- Redundant long-life LED light source including Infra-Red, for visibility using Night Vision Goggles
- Directional light emission which increases product efficiency and eliminates polluting light reflection on the tower
- Optical design produces highly accurate and uniform light beam
- Lightweight and easy to install
- Made in the Netherlands

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: See table
- Intensity Red light: See table
- Intensity IR light: See table
- Infra-Red wavelength ~850nm
- Infra-Red beam follows visible light, or beam is according to local standards

STANDARDS/CERTIFICATION

- Certified to ICAO Annex 14 Volume 1, Seventh Edition, July 2016, Chapter 6, Low Intensity type A, B & E.
- Certified to AVV (German "General Administrative Regulation for the marking and lighting of obstacles to air navigation") type Hindernisfeuer and Hindernisfeuer ES
- Certified to French Arrêté du 23 avril 2018 relatif à la réalisation du balisage des obstacles à la navigation aérienne. Basse intensité type A & B.

ELECTRICAL CHARACTERISTICS

- Operating voltage: 24 Vdc
- Power consumption Red + IR : See table
- Power consumption IR: <1 W
- Overvoltage protection: Class III according to IEC61643-1

PHYSICAL CHARACTERISTICS

- Dimensions: (L x W x H):
See drawing
- Weight: 1 kg
- Design degree of protection: IP66
- Operating temperature range:
-40°C/+55 °C

SYSTEM DESIGN, CONTROL AND MONITORING

- Use multiple L92 lights in a wind turbine tower light system with an Orga MLC400 controller
- Delivered with standard bracket. Custom bracket available upon request



L92-XXX-E

Low intensity red obstruction light

	Intensity	Intensity IR	Power consumption visible light	Power consumption IR light (added to visible light power consumption)	Horizontal beam pattern
L92-62A-IRF-E	10 cd	>25 mW/sr	1 W	1 W	Min. 120°
L92-62B-IRF-E	32 cd	>25 mW/sr	3 W	1 W	Min. 120°
L92-NL5-IRF-E	50 cd	>25 mW/sr	5 W	1 W	Min. 120°
L92-AVV-ES-IRF-E	10 cd	>25 mW/sr	2 W	1 W	Min. 180°
L92-62E-IRF-E	32 cd flashing	>25 mW/sr	2 W	1 W	Min. 120°

