

L92-XXX-E

Low intensity red obstruction light

Red obstruction light for night time marking of structures that present a hazard to aviation. Red steady in night mode. Incorporates the benefits of advanced LED, optical and system control technologies to meet the most demanding applications.



KEY FEATURES

- Light fixture installed on the outside of wind turbine tower
- Sealed non-metallic light design with no maintenance required over service life, with separate replaceable power supply unit
- Redundant long life LED light source
- Visible Red light output
- Five year warranty
- Lightweight and easy to install
- Optical design produces highly accurate and uniform light beam
- Extremely low power consumption

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: min. 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
- 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: See table
- Overvoltage protection: Class III according to IEC61643-1

PHYSICAL CHARACTERISTICS

- Dimensions: (L x W x H):
See drawing
- Weight: 1kg
- 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
- Bracket available upon request



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	Intensity	Intensity IR	Power consumption visible light	Power consumption IR light (added to visible light power consumption)	Horizontal beam pattern
L92-62A-IRF-E	10cd	>25mW/sr	1W	1W	Min. 120°
L92-62B-IRF-E	32cd	>25mW/sr	3W	1W	Min. 120°
L92-AVV-ES-E	10cd	Not applicable	2W	Not applicable	Min. 180°
L92-AVV-ES-IRF-E	10cd	>25mW/sr	2W	1W	Min. 180°

