

L20-XXX

Low intensity Red & Infrared obstacle light

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



KEY FEATURES

- Light fixture suitable for wind turbine tower lighting
- Long life LED light source
- Designed and manufactured from materials suitable for offshore applications
- Visible Red light output
- Five year warranty
- Lightweight and easy to install
- Supplied magnet mounting bracket
- Light can be installed and serviced from inside the tower
- Light can be retracted for tower transport
- Optical design produces highly accurate and uniform light beam
- Extremely low power consumption

STANDARDS/CERTIFICATION

- Certified to ICAO Annex 14 Volume 1, Ninth Edition (2022) Chapter 6, Low Intensity type A, B & E
- In compliance with Standard 621 – Obstruction Marking and Lighting – Canadian Aviation Regulations (CARs)

PERFORMANCE CHARACTERISTICS

- Horizontal beam pattern: min. 120°
- Intensity Red light: See table
- Infra-Red wavelength ~850nm
Infra-Red beam follows visible light, or beam is according to local standards

PHYSICAL CHARACTERISTICS

- Dimensions: (L x W x H):
See drawing
- Weight: 1.55 kg
- Design degree of protection: IP66
- Operating temperature range:
-40°C/+55 °C

ELECTRICAL CHARACTERISTICS

- Operating voltage: 24 Vdc (via MLC40x)
- Power consumption: See table
- Overvoltage protection: Class III according to IEC61643-1

SYSTEM DESIGN, CONTROL AND MONITORING

- Use multiple L20 lights in a wind turbine tower light system with an ORGA MLC40x controller



L20-XXX

Low intensity Red & Infrared obstacle light

	Intensity	Intensity IR	Characteristic	Power consumption	Standard
L20-62A-IR	10 cd	>25mW/sr	Steady	1.1 W	ICAO
L20-62B-IR	32 cd	>25mW/sr	Steady	2.2 W	ICAO
L20-62E-IR	32 cd	>25mW/sr	20 FPM	1.5 W	ICAO
L20-C810F-IRC	32 cd	4 mW/sr	20 FPM	1.5 W	CARs



L20-XXX

Low intensity Red & Infrared obstacle light

