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

- In compliance with CE
- Certified to ICAO Annex 14 Volume 1, Ninth Edition (2022) Chapter 6, Low Intensity type A, B & E
- Certified to Spezifikation Hindernisfeuer und Hindernisfeuer ES, Allgemeine Verwaltungsvorschrift zur Kennzeichnung von Luftfahrthindernissen (April 2020) (German AVV)
- In compliance with Standard 621 – Obstruction Marking and Lighting – Canadian Aviation Regulations (CARs)
- In compliance with FAA AC150-5345-43J Specification for Obstruction Lighting Equipment (March 2019)
- Certified to Dutch Standard, Staatscourant 2023 nr. 31172 17 November 2023
- Certified to French Standard, STAC, direction Générale de l'Aviation civile

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 Red + IR: See table
- Power consumption IR: <0.5 W
- Overvoltage protection: Class III 6kV/3kA (test method IEC61643-11:2012/A11 and IEC61000-4-5:2014/A1:2017), (applicable when the L20 is used with a Marker Light Controller)

SYSTEM DESIGN, CONTROL AND MONITORING

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

All values mentioned in this document are typical values.
Document can be subject to modifications, without prior notice.
Datasheet last modified on November 21, 2024.

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Product name	Variant name	Min. Intensity (cd)	Min. Intensity Infrared (mW/sr)	Characteristic	Power consumption (W)	Standard
L20	62A-IR	10	25	Steady	1,7	ICAO
L20	62B-IR	32	25	Steady	2,8	ICAO/ STAC
L20	62E-IR	32	25	20 FPM	1,8	ICAO
L20	NL5-IR	50	25	Steady	3,5	NL
L20	C810F-IRC	32	4	20 FPM	1,5	CARs
L20	810F-IRU	32,5	4	30 FPM	1,5	FAA
L20	AVV-ES-IR	25	25	Steady	1,7	AVV

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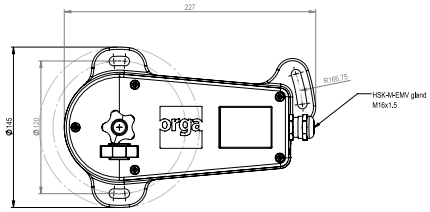
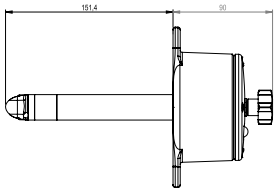
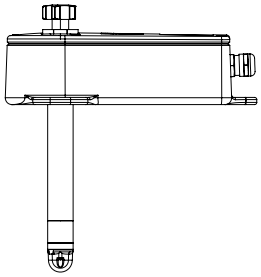
FRONT VIEW



LEFT VIEW



BOTTOM VIEW



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