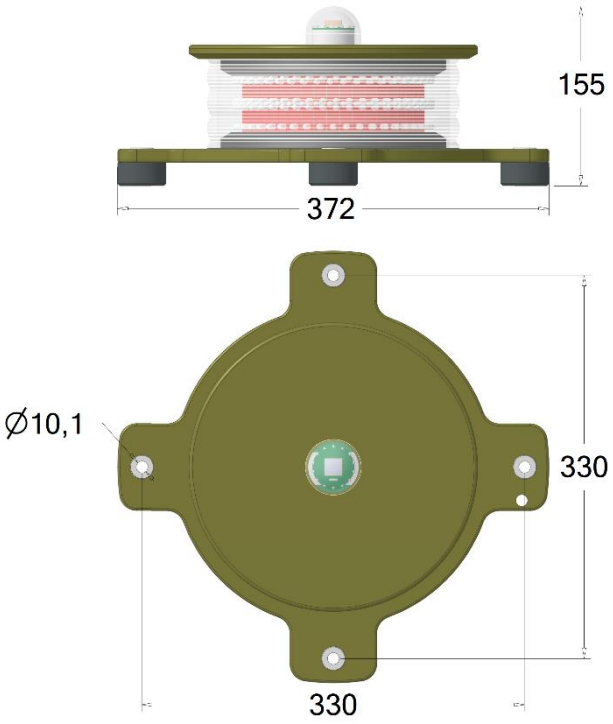
R100IR25r1-G4.1

W,rot ES + infrared obstacle light for nighttime marking



Obstacle Light R100IR25r1-G4.1

For nighttime marking according to:

- W,rot ES according to AVV
- Infrarotfeuer according to AVV

The Lanthan obstacle light is characterized by its compact design and robust construction. Its key features include:

- Internal ambient light sensor (VEML7700)
- Build-in GPS
- Capable of firmware updates (FOTA)
- Field-configurable settings

Being the first LED fire supplier in the wind industry, Lanthan provides reliable obstacle lights.

Manufactured by TWE GmbH Trade Wind Energy
(part of Lanthan Group).

Article Allocation

Name / Description	Article-No.
R100IR25r1-G4.1	LAN-000806

Lanthan GmbH & Co. KG
Stresemannstr. 31-33
D-28207 Bremen
☎ 0421/696465-0
info@lanthan.eu

R100IR25r1-G4.1

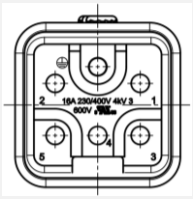
W,rot ES + infrared obstacle light for nighttime marking

Technical Data

Nominal Voltage	24 V / 48 V DC
Functional Voltage	19,2 V – 55 V
Ambient temperature	-40° to +55 °C
Power consumption	Peak (MIOL B): 16 W Average (MIOL B): 1,2 W Average (MIOL C): 20 W Peak (MIOL B + 500 mW/sr): 1,6 W Average (MIOL B + 500 mW/sr): 1,6 W Average (MIOL C + 500 mW/sr): 26 W
Max on current	1,5 A
Service lifetime	Min. 10 years
Optical characteristics red	• 2000 cd MIOL B (ICAO Recommendations) • 2000 cd MIOL C (ICAO Recommendations) • 2000 cd L-864 (FAA)
Optical characteristics infrared	• 246 mW/sr L-864 (FAA) • 500 mW/sr IR-MIOL (Trafi)
Wavelength	peak wavelength infrared: 850 nm
Timing	GPS based
Enclosure	Marine grade aluminum (AlMg3) EN AW-5754, anodized to 25 µm
Lens	Clear acrylic, UV-resistant
Bare weight	8 kg
Pressure compensation	Gore membrane vents
Size	height = 155 mm; diameter = 372 mm
Sealing	EPDM o-rings
IP-class	IP68

Pin Out

1	Power Supply +24V
2	Power Supply 0 V
3	FE
4	Modbus D1
5	Modbus D0
6	Not connected



Connector G4.1 Variant

Han 3A:	
Housing	09 37 003 0301
Pin Insert	09 12 005 3001
Pins	09 33 000 6102

Recommended Cable Connector:	
Housing	1x 19 37 003 1640
Pin Insert	1x 09 12 005 3101
Pins	5x 09 33 000 6202

Additional Information:

- System Integration Manual

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