

W50kIR500-G4.1

Infrared obstacle light for nighttime marking



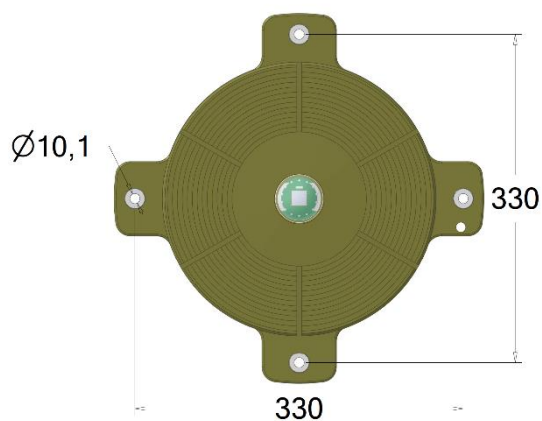
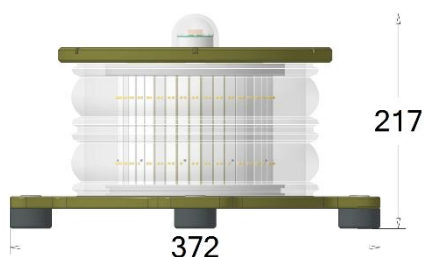
Obstacle Light W50kIR500-G4.1

For nighttime marking according to:

- 50.000 cd High Intensity Obstacle Light according to TRAFI and TSFS
- Medium Intensity Obstacle Light Type A according to KILT
- Infrared Medium Obstacle Light according to TRAFI

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.
W50kIR500-G4.1	LAN-000889

W50kIR500-G4.1

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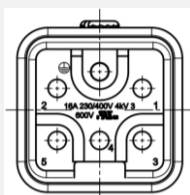


Technical Data

Nominal Voltage	48 V DC
Functional Voltage	42 V – 58 V
Ambient temperature	-40° to +55 °C
Power consumption	Peak (50 000 cd): approx. 308 W Average (50 000 cd): approx. 21 W Peak (2 000 cd + 500 mW/sr): approx. 24 W Average (2 000 cd + 500 mW/sr): approx. 1,6 W
Max on current	7,3 A
Service lifetime	Min. 10 years
Optical characteristics white	• 20.000 cd Medium Intensity Obstacle Light A (KILT) • 50.000 cd Half Hight Intensity Obstacle Light B (TRAFI & TSFS) • 2.000 cd dimmed half Hight Intensity Obstacle Light B (TrafI & TSFS)
Optical characteristics infrared	• 500 mW/sr IR Medium Intensity Obstacle Light (TRAFI)
Colour coordinates / wavelength	according to ICAO; peak wavelength infrared: 850nm
Timing	GPS based
Enclosure	Marine grade aluminum (AlMg3) EN AW-5754, anodized to 25 µm
Lens	Clear acrylic, UV-resistant
Bare weight	11 kg
Pressure compensation	Gore membrane vents
Size	height = 217 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