



**DATASHEET**

05 Dec 2024

**Medium Intensity Red 2,000cd Light**  
230VAC - LED Aircraft Warning Light  
**CEL-WT-MIC - StandAlone / Modbus**

Medium Intensity stand-alone 2,000cd red model is designed for Wind Turbine Installations. This intelligent light offers unique features such as incorporated fault monitoring, photocell, GPS synchronisation, adjustable luminosity and supports both stand-alone and Modbus operation as a part of a larger CEL aviation light system network.

**Key features**

- 2,000cd (effective) RED fixed or flashing modes
- Extremely reliable - long lifetime
- Supports both stand-alone and Modbus operations
- Suitable for Offshore environment
- Incorporated GPS synchronisation
- Adjustable luminous output levels 10%, 30%, and 100%
- Incorporated photocell and fault monitoring
- WIFI interface
- Design lifetime more than 20 years
- 5yr warranty- the longest in the industry

**Specifications met**

- ICAO International Standards and Recommended Practices: Aerodromes Annex 14 Volume 1, 8th Edition, July 2018,
- Chapter 6: Medium-intensity, Type B/C Fixed Obstacle Light
- European Aviation Safety Agency - Chapter Q – Visual Aids for Denoting Obstacles CS-ADR-DSN.Q.848
- FAA Advisory Circular 150/534543F 09/12/06: L-864 and L-885
- CEL-WT-MIC - light measurement chart table - DEC2024

**Optical characteristics**

- 2,000cd (effective)
- Colour aviation RED
- NVG compliant infrared (850nm)
- Horizontal beam 360°
- Vertical beam 3°
- Maximum intensity at -1° is less than 1,110cd
- Maximum intensity at -10° is less than 56cd

**Electrical characteristics**

- Operating voltage 90-265VAC
- Constant power input at 95% by active PFC
- Flash rates: 20/30/40/60fpm
- Meets standards
- EMC (Emissions): EN 61000-6-4
- EMC (Immunity): EN 61000-6-2



**Electrical characteristics - continued**

- Power consumption
  - 17W @Night (RED, 40fpm)
  - 20W @Night (RED+IR, 40fpm)
  - 25W @Night (RED, fixed)
  - 30W @Night (RED+IR, fixed)
- Recommended cables (Outdoor):
  - Power (L-N-PE): 3x1,5mm"or 3x2,5mm"
  - Data: CAT 7
  - Alarm: CAT 7, 3x1,5mm or 3x2,5mm"
  - Power + Data: 6x1,5mm"or 6x2,5mm"
- Input/Output terminals can be used to daisy chain power and data to additional lighthoods

**Mechanical characteristics**

- Painted marine grade aluminium body (C5MHigh)
- Glass cover
- Degree of protection IP66
- Operating temperature range -40...+55°C
- Mounting 240x240mm
- Height 333mm, diameter 270mm
- Weight 11kg

**Additional Factory-Installed Options**

- Cold-climate version (CCV)
- NVG compliant infrared (IR)



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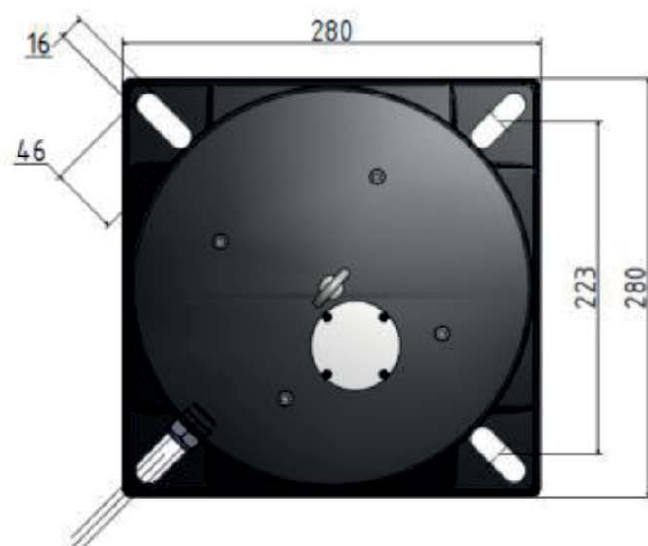
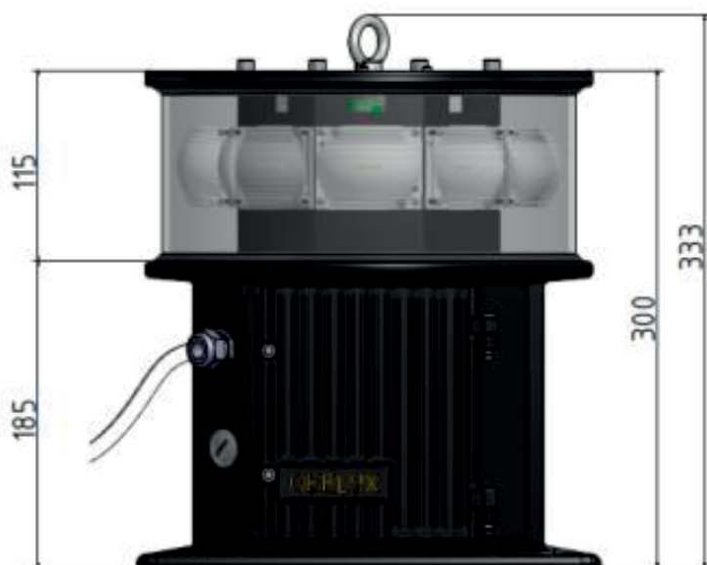
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### CEL-WT-MIC

Light unit with mounting dimensions



### CEL-WT Versions

CEL-WT-MIB	Medium-intensity Type B (flashing) obstruction light, 2,000cd Red, GPS sync, Photocell, Alarm, 100-240VAC Supports stand-alone and Modbus Network operation.
CEL-WT-MIC	Medium-intensity Type C (steady burn) obstruction light, 2,000cd Red, infrared, GPS sync, Photocell, Alarm, 100-240VAC. Supports stand-alone and Modbus Network operation.
CEL-WT-MIB-IR	Medium-intensity Type B (flashing) obstruction light, 2,000cd Red, Infrared 850nm, GPS sync, Photocell, Alarm, 100-240VAC. Supports stand-alone and Modbus Network operation.
CEL-WT-MIC-IR	Medium-intensity Type C (steady burn) obstruction light, 2,000cd Red, Infrared 850nm, GPS sync, Photocell, Alarm, 100-240VAC. Supports stand-alone and Modbus Network operation.