



## Medium Intensity White/Red 20,000cd Light

230VAC - LED Aircraft Warning Light

ICAO Type A, B & C. FAA Compliant

**CEL-MI-20KW-230-A - StandAlone / MODBUS**

Medium-Intensity stand-alone 20,000cd White and Red model is designed for compliant aviation safeguarding of tall vertical structures such as tall buildings, broadcasting masts, radar towers, air traffic control towers, meteorological masts and wind turbines.

The product offers unique features such as incorporated fault monitoring, photocell, GPS synchronisation, and it supports both stand-alone and Modbus operation as a part of CEL aviation light system network.

### Key features

- 20,000cd (effective) WHITE flashing, WHITE/RED fixed or flashing
- 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
- Design lifetime more than 20 years
- 5-year warranty- the longest in the industry

### Specifications met

- ICAO International Standards and Recommended Practices: Aerodromes Annex 14 Volume 1, 6th Edition, July 2013,
- Chapter 6: Medium-intensity, Type A, B/C Fixed Obstacle Light
- FAA Advisory Circular AC 150/5345-43G:
- FAA L-865+L-864, F-866+L-885

### Optical characteristics

- 20,000cd / 2,000cd (effective)
- Colour aviation WHITE and RED
- NVG compliant infrared (850nm) as an option
- Horizontal beam 360°
- Vertical beam 3°
- Maximum intensity at -1° is less than 11 250cd (WHITE), 1125cd (RED)
- Maximum intensity at -10° is less than 750cd (WHITE), 75cd (RED)

### Electrical characteristics

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



**CEL-MI-20KW-230-A**

### Power Consumption

- 19W @ day (WHITE, 40fpm)
- 4W @ night (WHITE, 40fpm)
- 5.5W @ night (WHITE+IR, 40fpm)
- 17W @ night (RED, 40fpm)
- 20 W @ night (RED+IR, 40fpm)
- 25W @ night (RED, fixed)
- 30 W @ night (RED+IR)

### Recommended Cables (Outdoor):

- Power (L-N-PE): 3 x 1.5mm or 3 x 2.5mm
- Data: CAT 6
- Alarm CAT 6 , 3 x 1.5mm or 3 x 2.5mm
- Power + Alarm: 6 x 1.5mm or 6 x 2.5mm

- Terminals can be used to distribute power and data to another light head (6 core cable must be used)



**OPERATING VOLTAGE**  
**230 VAC**



**CAUTION ! LED RADIATION**  
DO NOT STARE INTO LED BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS.  
CLASS 2A LED PRODUCT

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## Mechanical characteristics

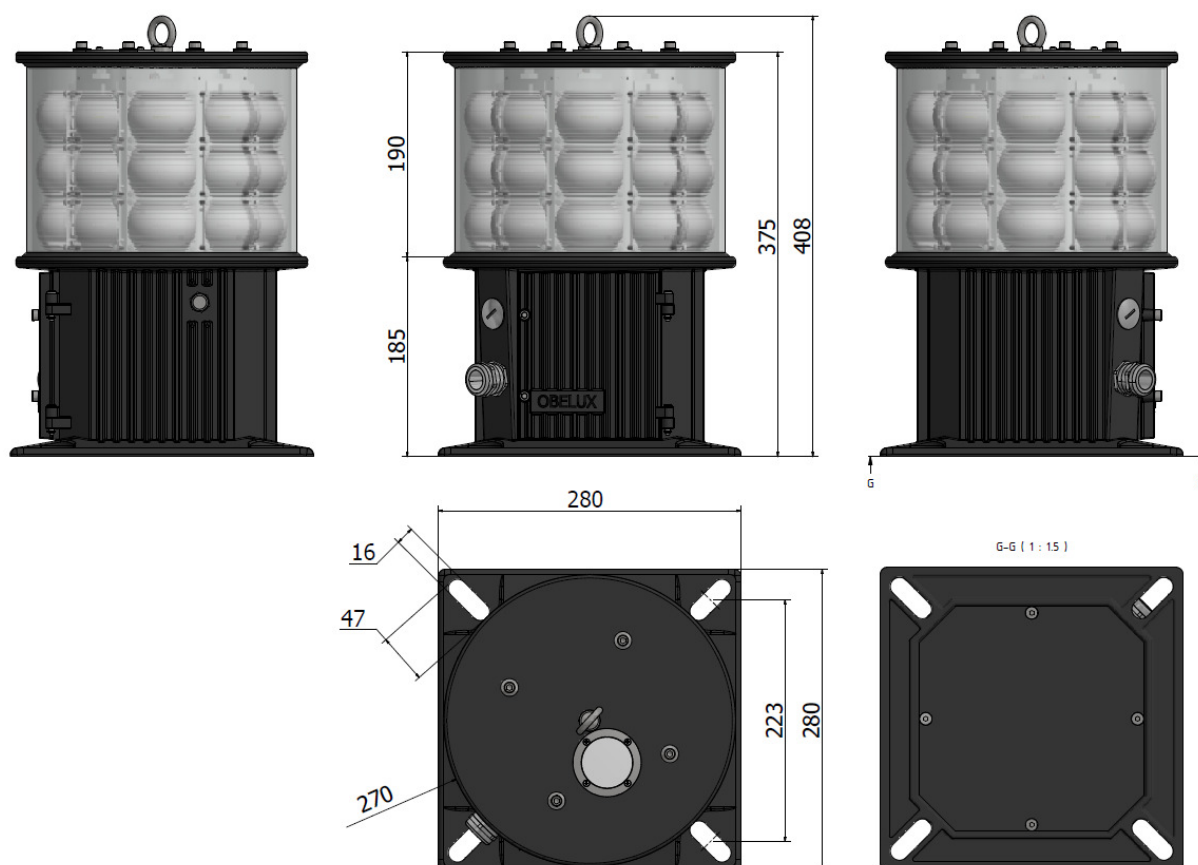
- Painted marine grade aluminium body (C5MHigh)
- Glass cover
- Degree of protection IP66
- Operating temperature range -40...+55 °C
- Mounting 240x240mm, 17
- Height 408 mm, diameter 270 mm
- Weight 14 kg

## Additional Factory-Installed Options

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

## CEL-MI-20KW-230-A

Light unit with physical and mounting dimensions



### CEL-MI-20KW-230-A Versions

CEL-MI-20KW-230-A

Medium-intensity Type A + B/C obstruction light, 20,000cd White and 2,000cd White/Red, GPS synch., photocell, Alarm, 100-240VAC (50/60Hz). Supports stand-alone and Modbus operation.

CEL-MI-20KW-230-A-IR

Medium-intensity Type A + B/C obstruction light, 20,000cd White and 2,000cd White/Red, infrared, GPS synch., photocell, Alarm, 100-240VAC (50/60Hz). Supports stand-alone and Modbus operation.

CEL-MI-20KW-230-A-CCV

Medium-intensity Type A + B/C obstruction light, 20,000cd White and 2,000cd White/Red, CCV, GPS synch., photocell, Alarm, 100-240VAC (50/60Hz). Supports stand-alone and Modbus operation.

CEL-MI-20KW-230-A-IR-CCV

Medium-intensity Type A + B/C obstruction light, 20,000cd White and 2,000cd White/Red, CCV, infrared, GPS synch., photocell, Alarm, 100-240VAC (50/60Hz). Supports stand-alone and Modbus operation.

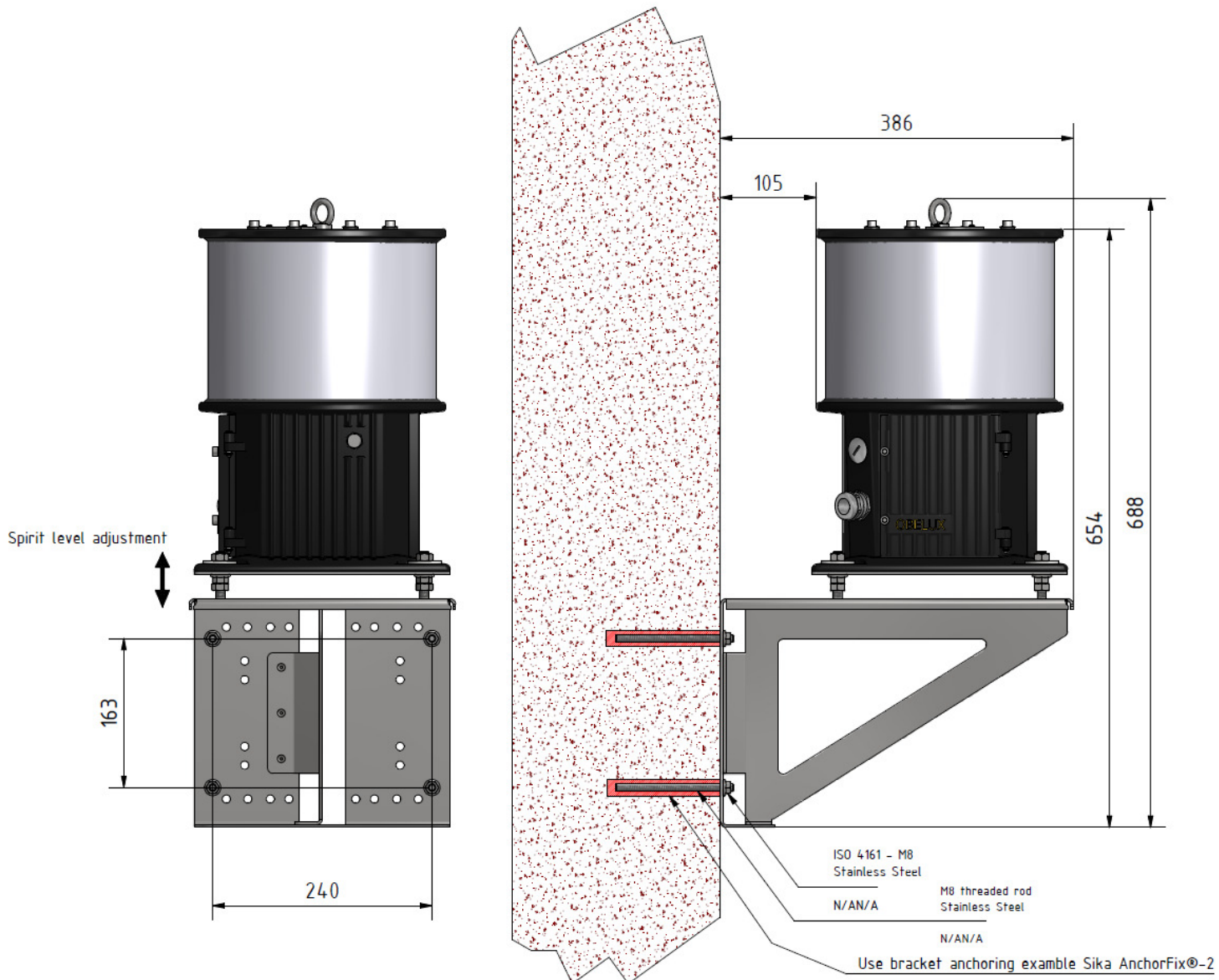
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## Mounting Sets for Wall Mounting

CEL-MS-MIV1001 - AISI304 Stainless Steel

CEL-MS-MIV1002 - AISI316 Stainless Steel



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