Medium Intensity White/Red 20,000cd Light

230VAC - LED Aircraft Warning Light
ICAO Type A, B & C. FAA Compliant
CEL-MI-20KW-230-A - Stand Alone / 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

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

Operational 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
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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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