

Medium Intensity 2,000cd red 48VDC - LED Aircraft Warning Light ICAO Type B & C. FAA L-864 & L-885

CEL-MI-2KR-48-x

Key features

- Based on LED technology
- 2,000cd steady burning red light
- 2,000cd flashing red with CSW flash controller unit or PCFL device
- Extremely reliable - long lifetime
- Very low power consumption
- 48Vdc nominal operating voltage
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install
- No RF-radiations
- Long maintenance intervals
- Comes with five (5) year warranty
- Patented

Specifications met

- ICAO International Standards and Recommended Practices Aerodromes - Annex 14 Volume 1, 5th Edition, July 2009, Chapter 6: Medium-intensity, Type C Fixed Obstacle Light
- FAA Advisory Circular 150/534543F 09/12/06: L-864 and L-885 light unit
- Certified by STAC France and FVT Germany

Optical characteristics

- Intensity better than 2,000cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 3°
- LED supply current stabilised by constant current generator
- More than 10 year continuous maintenance free operating time

Electrical characteristics

- Nominal operating voltage 48Vdc
- Power consumption 28W @ steady burning
- Power consumption 2.3W @ 20fpm, flash duration 250ms
- Constant current 0.6A
- Operating voltage range 47 ... 58Vdc
- Operating temperature range -55 ... +55°C
- Three-stage overvoltage protection

Mechanical characteristics

- Anodised aluminium body
- Glass cover
- Terminal box for 1.5 ... 6mm² wires
- Ingress protection IP65
- Height 284mm, diameter 154mm,
- Mounting set -V or -H and terminal box include
- Light unit weight 3kg without mounting set
- Wind load 400N with mounting set @ 200km/h



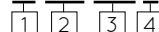
CEL-MI-2KR-48-x without mounting set

Options

- CSW-48-x-F: Flash controller
- CSW-48-x-F-GPS: Flash controller with global flash sequence synchronisation by GPS-UTC time
- CSW-48-x-F-GSM controller GSM, SMS message
- Power supply PS-48-1A8, 230 V_{AC} / 48V_{DC} 1.8A
- Power supply PS-48-1A8-PCFL with flash controller and photocell
- Battery back-up system
- Solar operated power supply system (SPOL)
- Mounting kits

Order code:

CEL MI-2KR-048-V



1 Series

MI: Medium Intensity

2 Luminous intensity and light colour

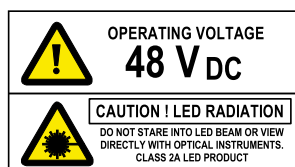
2KR: 2,000cd, Red

3 Operating Voltage

12: 12V_{DC}
24: 24V_{DC}
48: 48V_{DC}
115: 115V_{AC}
230: 230V_{AC}

4 Mounting set

V: Mounting to vertical pipe
H: Mounting to horizontal plate



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CEL-MI-2KR-48-x

CEL-MI-2KR-48-x is an obstacle light utilising LED technology. The cabling and installation principles are similar to those of conventional obstacle lights, the only exception being the correct polarity required by DC feed.

Terminal box include screw terminals and overvoltage protectors.

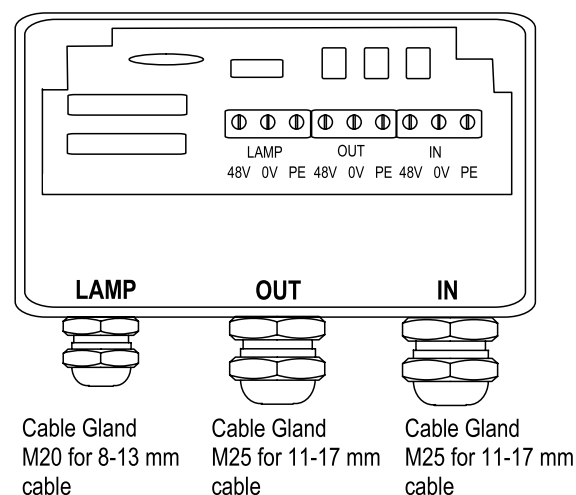
The polarity is:

Blue -
Black +
Yellow-Green PE

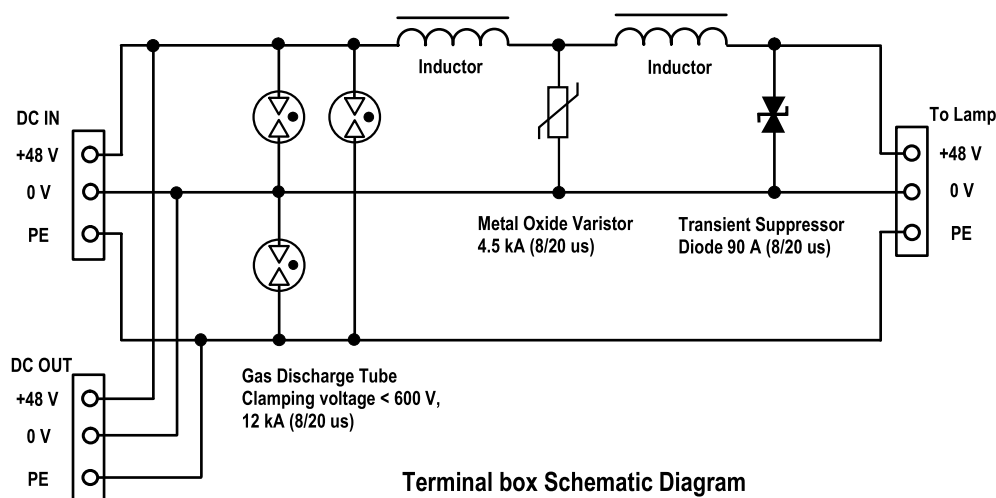
All connection alternatives can be protected with a 6A or 10A fuse or with a circuit breaker (C curve).

Installation specifications

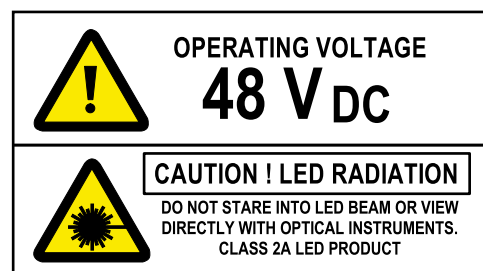
- Cable gland: M25
- Cable diameter: 11...17mm
- Wire diameter: max. 6mm²
- Recommended cable: 2x1.5+1.5 or 2x2.5+2.5mm²



Terminal box



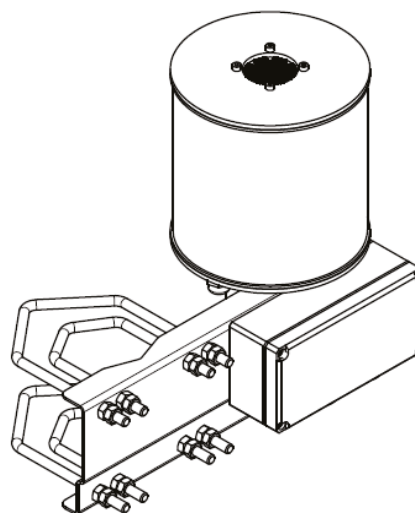
Terminal box Schematic Diagram



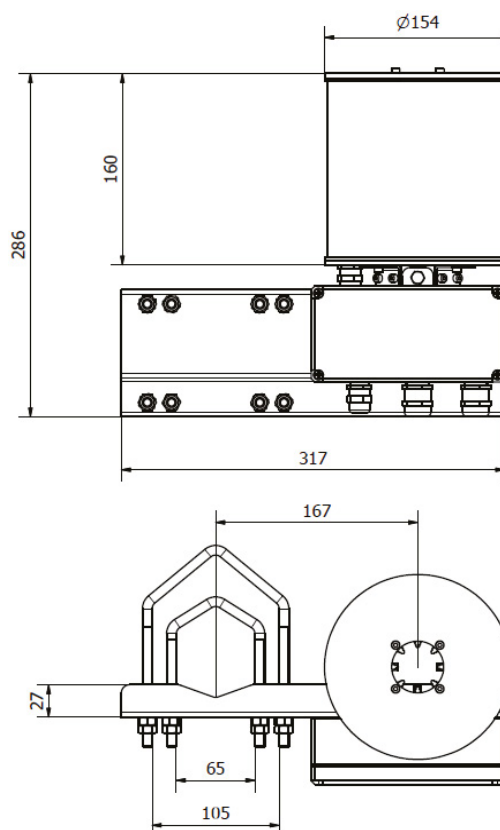
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CEL-MI-2KR-48-V

Light unit with -V mounting set. Mounting to Vertical pipe



Mounting plate, U-bolts, hex nuts: Acid Proof steel
Terminal box: Polycarbonate
Mounting set weight: 0.7kg



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CEL-MI-2KR-48-H

Light unit with -H mounting set. Mounting to Horizontal plate by L-shape brackets

Mounting plate: Aluminium

U-bolts, hex nuts: Acid Proof steel

Terminal box: Polycarbonate

Mounting set weight: 0.3kg

