

Medium Intensity 2,000cd red 12VDC - LED Aircraft Warning Light ICAO Type B & C. FAA L-864 & L-885

CEL-MI-2KR-12-x

Key features

- Based on LED technology
- 2,000cd steady burning red light
- 2,000cd flashing with CSW flash controller unit or PCFL device
- Extremely reliable - long lifetime
- Very low power consumption
- 12Vdc nominal operating voltage
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install
- No RF-radiation
- 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 150/5345-43F 09/12/06:
L-864 and L-885 light unit
- Certified by STAC France and FVT Germany

Optical characteristics

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

Electrical characteristics

- LEDs in several separate groups
- Nominal operating voltage 12Vdc
- Power consumption 30W @ steady burning
- Power consumption 2.5W @ 20fpm, flash duration 250ms
- Constant current 2.5A
- Operating voltage range 10.5 ... 16Vdc
- 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-Hand terminal box include
- Light unit weight 3kg without mounting set
- Wind load with mounting set 500N @200km/h



CEL-MI-2KR-12-x without mounting set

Options

- CSW-12-x-F Flash controller
- CSW-12-x-F-GPS: Flash controller with global flash
sequency synchronisation by GPS-UTC time
- CSW-12-x-F-GSM controller with GSM communication
- Power supply PS-12-6A, 230 VAC / 12 VDC, 6A
- Power supply PS-12-6A-PCFL with flash controller and
photocell
- Battery back-up system
- Solar operated power supply system (SPOL)
- Mounting kits

Order code:

CEL MI-2KR-012-V

1 2 3 4

1 Series

MI: Medium Intensity

2 Luminous intensity and light colour

2KR: 2,000cd, Red

3 Operating Voltage

12: 12Vdc
24: 24Vdc
48: 48Vdc
115: 115VAC
230: 230VAC

4 Mounting set

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



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Medium Intensity 2,000cd red

12VDC - LED Aircraft Warning Light

ICAO Type B & C. FAA L-864 & L-885

CEL-MI-2KR-12-x

CEL-MI-2KR-12-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.

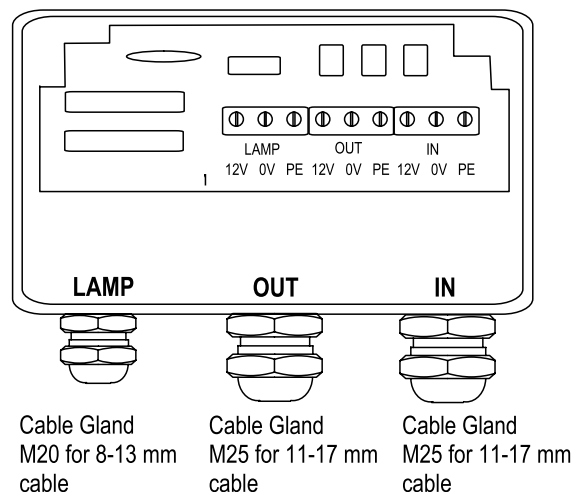
The polarity is:

Blue -
Black +
Yellow-Green PE

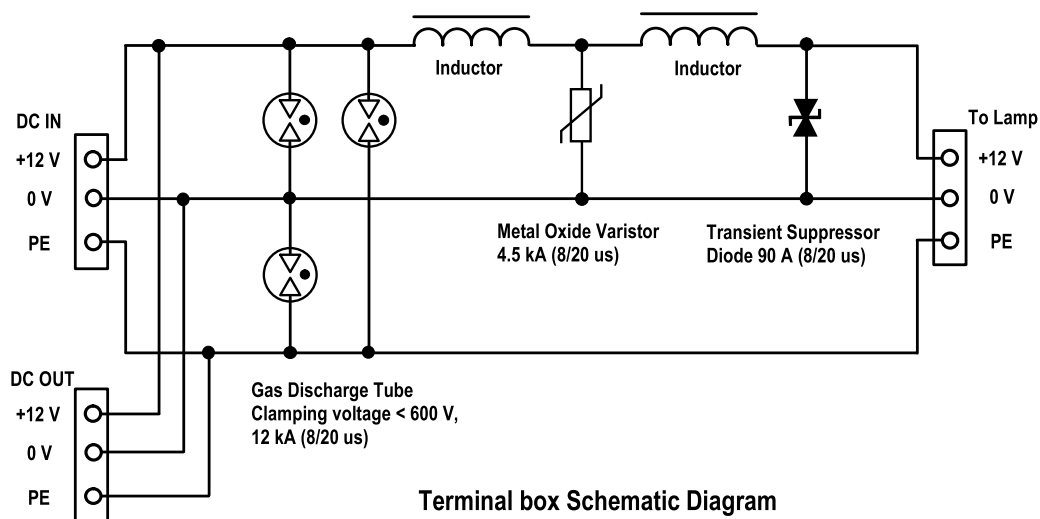
All connection alternatives can be protected with a 6A or 10A fuse or with a circuit breaker (C curve).

Installation specifications

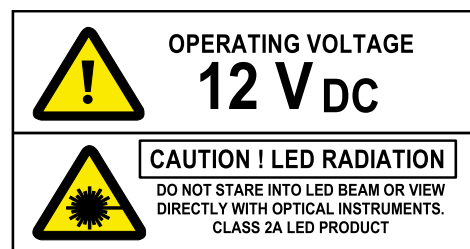
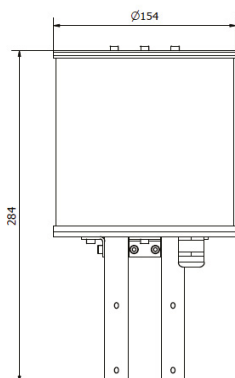
- Cable gland: M25
- Cable diameter: 11 ... 17mm
- Wire diameter: max. 6mm²
- Recommended cable: 2x1.5+1.5 or 2x2.5+2.5mm²



Terminal box



Terminal box Schematic Diagram

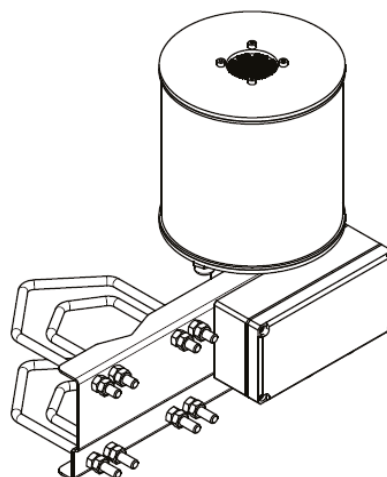


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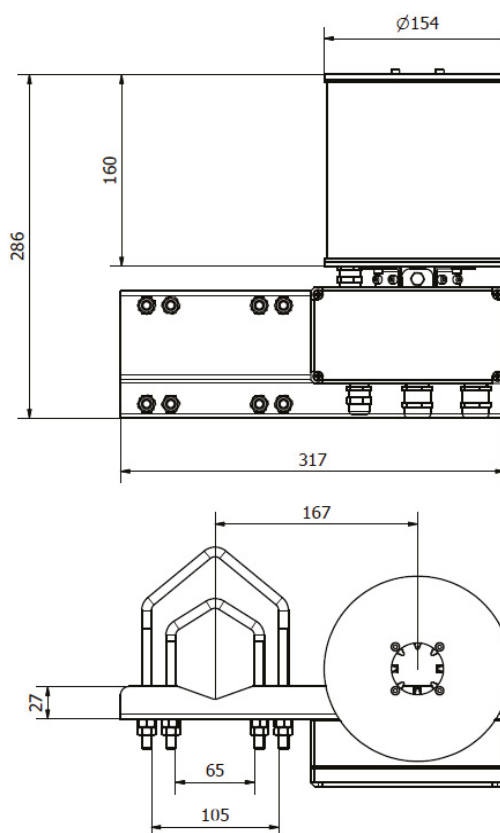
CEL-MI-2KR-12-x

CEL-MI-2KR-12-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-12-x

CEL-MI-2KR-12-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

