



# 50cd Obstruction Light - 48Vdc

## CEL-50-48-CST - LED Aircraft Warning Light

### Key features

- Based on LED technology
- 50cd luminous output
- Steady burning red light
- Complete set with accessories
- Extremely reliable
- Very long life time
- Low power consumption
- 48VDC operating voltage
- Stabilised light output
- Easy to install
- Mounting set and terminal box included

### Benefits

- Long maintenance intervals
- Low energy costs
- Input voltage variations do not effect light output
- Very low lifetime costs

### Optical characteristics

- Intensity >50cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 23°
- Current for the LEDs is stabilised by constant current generator
- Light output degradation less than 30% after 100,000hrs of operation

### Electrical characteristics

- LEDs are in several separate groups
- Nominal operating voltage 48VDC
- Power consumption <10W (<0.25A constant current)
- Operating voltage range 48 to 58VDC
- Overvoltage protection

### Other

- Black anodised aluminium housing
- Galvanised mounting arm
- Acid proof U-bolts and hex nuts
- Uncoloured glass cover
- Degree of protection IP 65
- Operating temperature range -55 to +55°C
- Height 300mm, diameter 140mm
- Wind load@ 200km/h <150N
- Total weight 3.0kg
- 5 year warranty

**OrderCode:** CEL-50-48-CST

Also available with 12VDC, 24VDC and 230VAC operating voltages

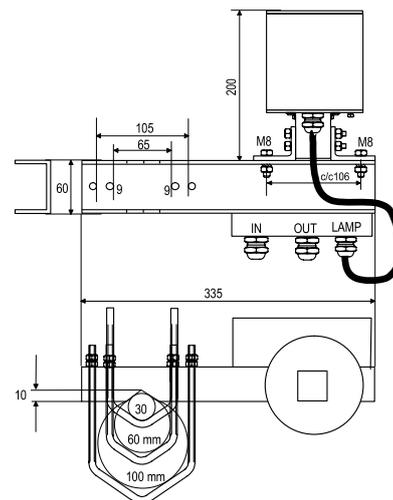
Made in EU

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photo for illustrative purposes

### CEL-50-48-CST



### Mechanical dimensions



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### Installation Instructions

CEL-50-48-CST 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 includes screw terminals and overvoltage protectors.

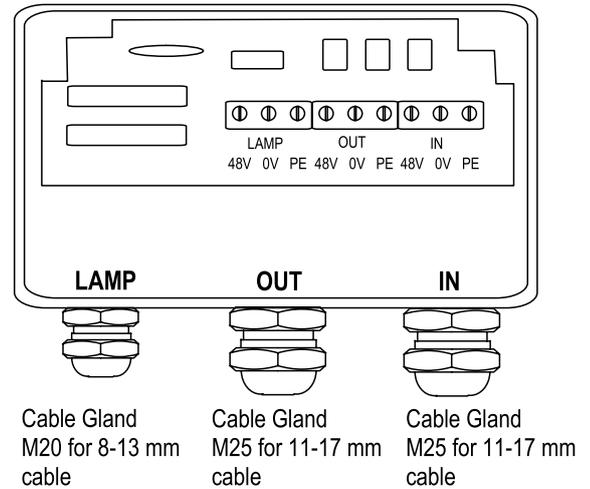
The polarity is:

- Blue -
- Black +
- Yellow-Green PE

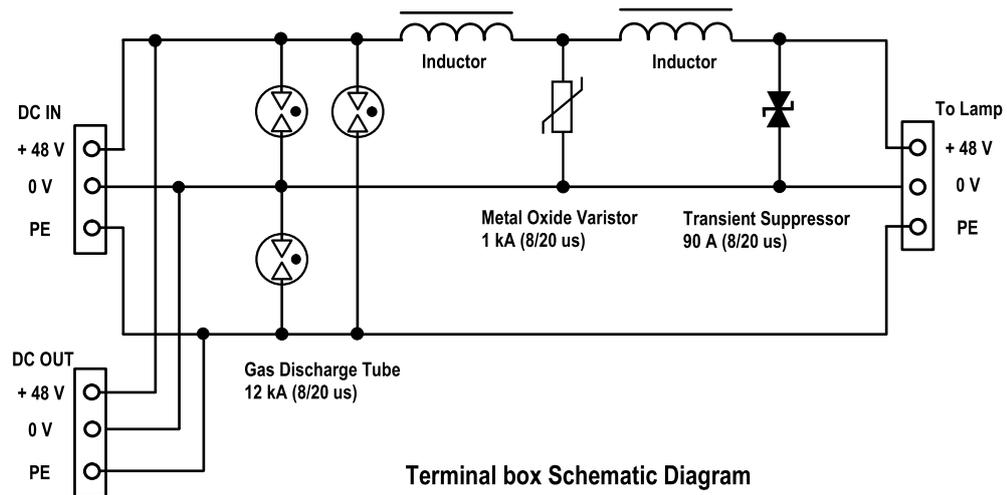
All connection alternatives can be protected with a 6A or 10A fuse or with a circuit breaker (C curve).

### Installation specifications

- Cable gland for lamp: M20, 8-13 mm cable
- Cable gland for IN and OUT: M25, 11-17 mm cable
- Wire diameter: max. 6 mm<sup>2</sup>
- Recommended cable: 2x1.5+1.5 or 2x2.5+2.5 mm<sup>2</sup>



CEL-50-48-CST terminal box



Terminal box Schematic Diagram

