



## 32cd Low-intensity Obstruction Light 230V<sub>AC</sub> . ICAO Type B. FAA L-810

CEL-32-230-F LED Aircraft Warning Light (1st Generation)

### Key features

- Based on LED technology
- Extremely reliable - long lifetime
- Very low power consumption
- 230V<sub>AC</sub> nominal supply voltage
- Intensity 38cd typical
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install
- Absolutely no RF-radiations

### Benefits

- Long maintenance intervals
- Low energy cost
- Supply power voltage variations do not affect light output
- Very low total lifetime costs
- Low wind load
- Easy to chain
- Comes with five (5) year warranty

### Specifications met

- ICAO International Standards and Recommended Practices:  
Aerodromes - Annex 14 Volume 1, 5th Edition, July 2009,  
Chapter 6: Low-intensity, Type B Fixed Obstacle Light
- FAA Advisory Circular 150/5345-43F 09/12/06 L-810 Light Unit

### Optical characteristics

- Intensity better than 32cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 50°
- LED supply current stabilised by constant current generator
- Light output degradation less than 30% after 100,000hrs of operation

### Electrical characteristics

- LEDs in separate groups
- Nominal operating voltage 230V<sub>AC</sub>
- Power consumption 9.5VA
- Operating voltage range 210 ... 250V<sub>AC</sub>
- Two-stage over-voltage protection

### Mechanical characteristics

- Yellow painted aluminium body
- Clear glass cover
- Terminal box for 1,5 - 6mm<sup>2</sup> wires
- Weather protection to IP65
- Operating temperature range -55°C ... +55°C
- Height 235 mm, diameter 120mm, weight 1,1kg
- Wind load with CEL-MS-60 mounting kit @ 200km/h less than 40N

Order Code: **CEL-32-230-F**

Page 1 of 2



**CEL-32-230-F**



T: +44 (0)20 8540 1034  
F: +44 (0)20 8543 3058  
E: info@contarnex.com

Contarnex Europe Limited  
252 Martin Way,  
Morden, Surrey SM4 4AW  
United Kingdom



# 32cd Low-intensity Obstruction Light

## 230V<sub>AC</sub> - ICAO Type B. FAA L-810

CEL-32-230-F LED Aircraft Warning Light (1st Generation)

CEL-32-230-F is an obstacle light utilising LED technology. The cabling and installation principles are similar to those of conventional obstacle lights.

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

### Technical specifications

- Operating voltage: 230V<sub>AC</sub>
- Power consumption: 9.5VA
- Two-stage overvoltage protection
- Weather protection: IP65
- Operating temperature range: -55 ... +55°C
- Height: 235mm
- Diameter: 120mm
- Glass cover thickness: 5mm
- Terminal box: yellow powder painted die cast Aluminium
- Weight: 1.1kg

### Installation specifications

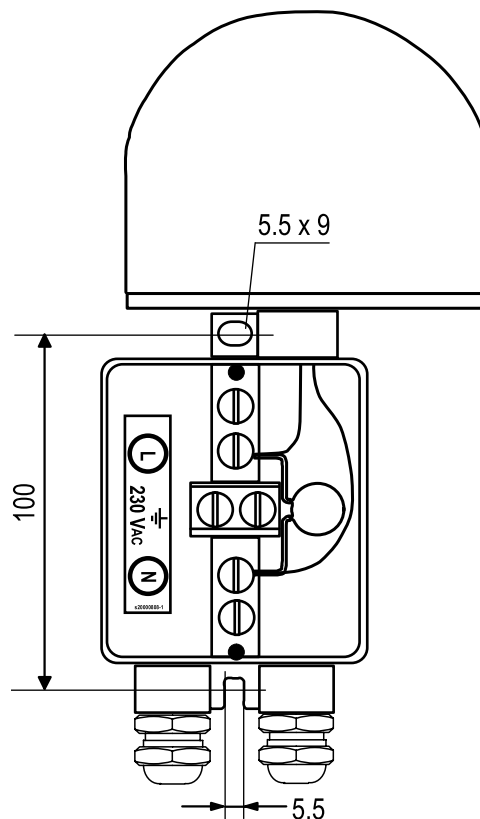
- Cable gland: PG 16
- Cable diameter: 8 ... 14mm
- Wire diameter: max. 6mm<sup>2</sup>
- Recommended cable: 4x1.5+1.5 or 2x1.5+1.5mm<sup>2</sup>
- Fixing hole distance: 100mm
- Fixing screw diameter: max. 5mm
- Fixing base thickness: 5mm

### Mounting kits

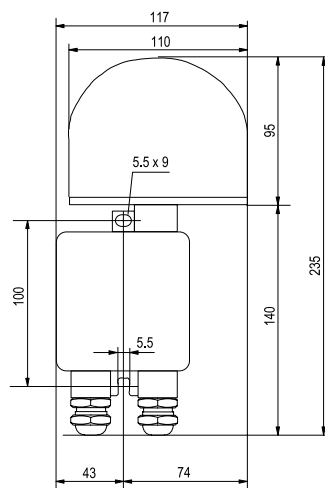
- CEL-MS-60: Mounting onto Ø 30 ... 60mm pipes
- CEL-MS-100: Mounting onto Ø 60 ... 100mm pipes
- U-bolts and hex nuts M8: acid-proof steel
- Mounting plate: black anodised aluminium

### Options

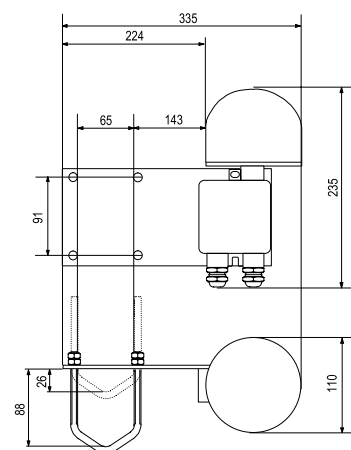
- CEL-MS-60 Mounting kit
- CEL-MS-100 Mounting kit



CEL-32-230-F terminal box



CEL-32-230-F dimensions



CEL-MS-60 Mounting Set dimensions

