cel
AVIATION LIGHTING

200cd - Low Intensity Obstruction Light - 24VDC
CAA UK. CAP168 - Low Intensity Group B

CEL-LI-200-24-F - LED Aircraft Warning Light

Key features
- Based on LED technology
- Extremely reliable - long lifetime
- Suitable for off-shore use
- Very low power consumption
- Wide 22 to 27VDC input voltage
- Stabilised light output
- Lightweight and small - low wind load factor
- Easy to install, several mounting sets available
- Two cable glands, easy to chain without external terminal boxes
- No RF-radiations
- Five (5) year warranty
- Patented

Benefits
- Long maintenance intervals
- Low energy cost
- Supply power voltage variations do not affect light output
- Very low total lifetime costs
- Low wind load

Specifications met :
- CAP 168 CAP 437 Civil Aviation Authority, London, UK
  February 2001, Flight obstacle (low intensity)

Optical characteristics
- Intensity better than 200cd
- Colour aviation red
- Horizontal radiation pattern 360°
- Vertical radiation pattern 200cd +5° to +8°, 50cd 0° to +15°
- LED supply current stabilised by constant current generator
- 10 year continuous operating time

Electrical characteristics
- Input voltage range 22 to 27V_{DC}
- Power consumption less than 12W
- Over voltage protection

Mechanical characteristics
- Anodised marine grade aluminium body and end parts
- AISI 316 acid proof steel screws
- Colourless (clear) glass cover
- Terminal box for 1,5 - 6mm^2 wires
- Degree of protection IP65
- Operating temperature range -55°C to +55°C
- Height 210mm, diameter 104mm, weight1.3kg
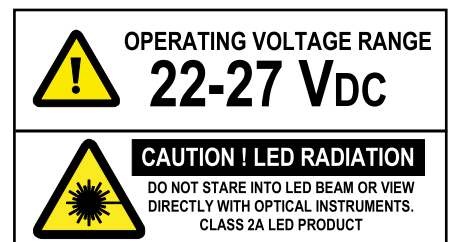- Wind load with CEL-MS-EV60 mounting kit @200km/h less than 40N

Options
- Mounting kits

Order Code: **CEL-LI-200-24-F**

CEL-LI-200-24-F   LED obstacle light

⚠️ **OPERATING VOLTAGE RANGE**
22-27 V$_{DC}$

⚠️ **CAUTION ! LED RADIATION**
DO NOT STARE INTO LED BEAM OR VIEW
DIRECTLY WITH OPTICAL INSTRUMENTS.
CLASS 2A LED PRODUCT

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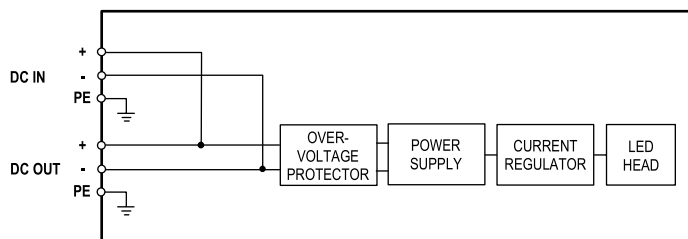
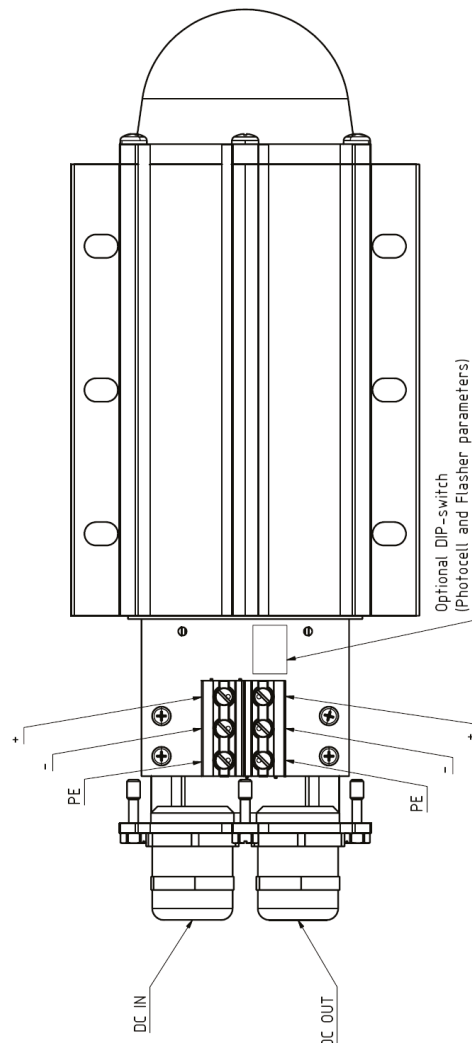## ELECTRICAL INSTALLATION INSTRUCTIONS

CEL-LI-200-24-F has two cable glands for easy chaining without external distribution boxes

CEL-LI-200-24-F is an obstacle light utilizing 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).

Installation specifications
- Cable gland: M25
- Cable diameter: 6 to 17mm
- Wire diameter: max. 6mm^2
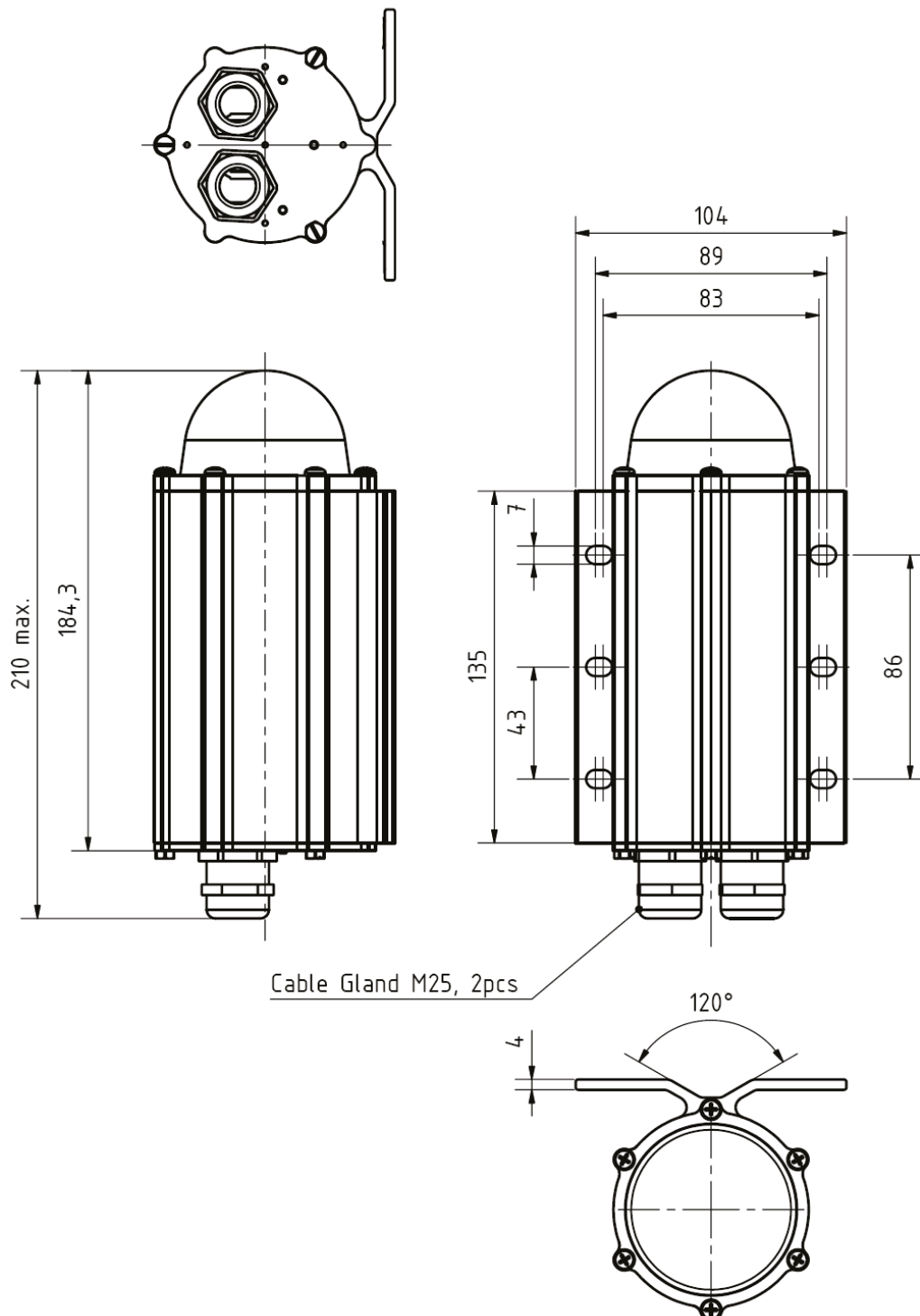- Recommended cable: 3x1.5mm2 or 3x2.5mm2

Block diagram

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Mechanical dimensions

Cable Gland M25, 2pcs

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There are several types of mounting sets available as option:

CEL-MS-HV80
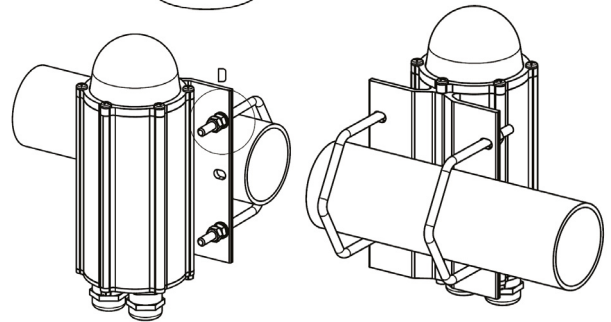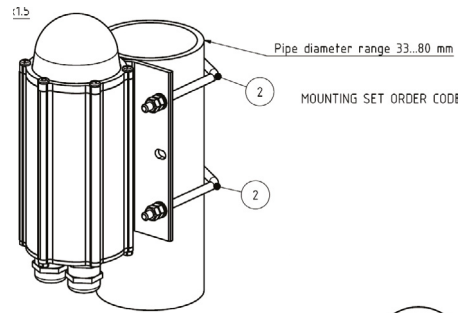Mounting set for 33-80mm vertical or horizontal pipe

Mounting set include:
- 2 pcs M6 U-bolt
- 8 pcs M6 hex nut
- 4 pcs 6/12mm washer

All parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-HV80 datasheet

Order Code: **CEL-MS-HV80**

CEL-MS-EV60
Mounting set with extension plate for 30-60mm vertical pipe installation
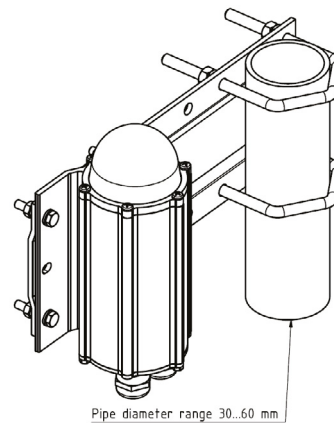
Mounting set include:
- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-EV60 datasheet

Order Code: **CEL-MS-EV60**

CEL-MS-EV100
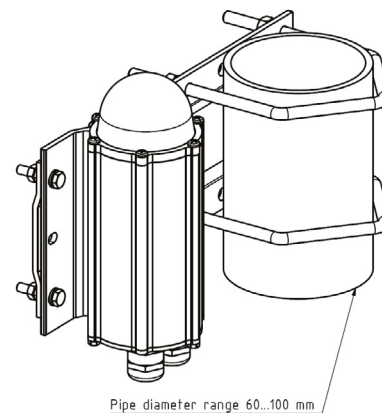Mounting set with extension plate for 60-100mm vertical pipe installation

Mounting set include:
- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AIS I 316 acid proof steel
More detailed mechanical data: CEL-MS-EV100 datasheet

Order Code: **CEL-MS-EV100**

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CEL-MS-EV150:

Mounting set with extension plate for 100-150mm vertical pipe installation
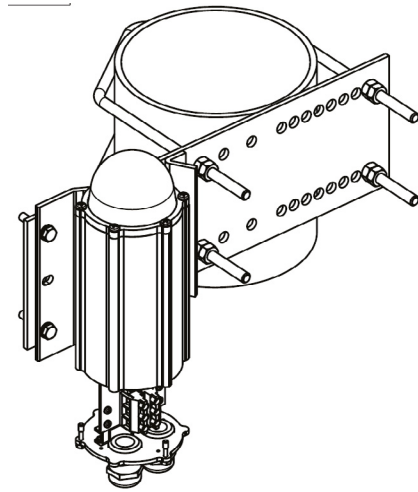
Mounting set include:
- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs extension plate

Extension plate hot dipped galvanised steel, other parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-EV150 datasheet

Order Code: **CEL-MS-EV150**

CEL-MS-DEV60:

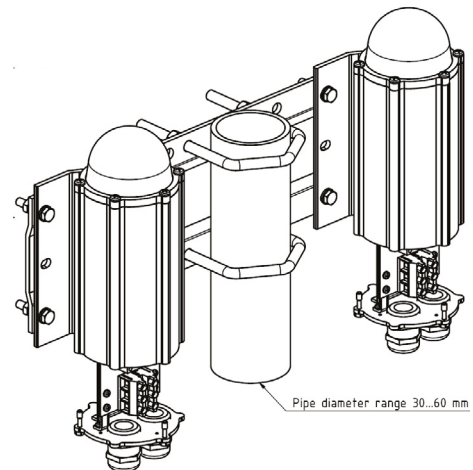Double mounting set with extension plate for 30-60mm vertical pipe installation

Mounting set include:
- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 8 pcs M6x30 bolt, 16 pcs M6 hex nut, 8 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-DEV60 datasheet

Order Code: **CEL-MS-DEV60**

Pipe diameter range 30...60 mm

CEL-MS-DEV100:

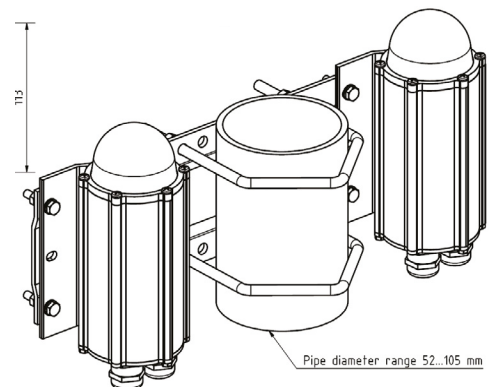Double mounting set with extension plate for 60-100mm vertical pipe installation

Mounting set include:
- 2 pcs M8 U-bolt, 8 pcs M8 hex nut
- 8 pcs M6x30 bolt, 16 pcs M6 hex nut, 8 pcs 6/12 washer
- 1 pcs extension plate

Extension plate marine grade anodised aluminium, other parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-DEV100 datasheet

Order Code: **CEL-MS-DEV100**

Pipe diameter range 52...105 mm

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CEL-MS-RW
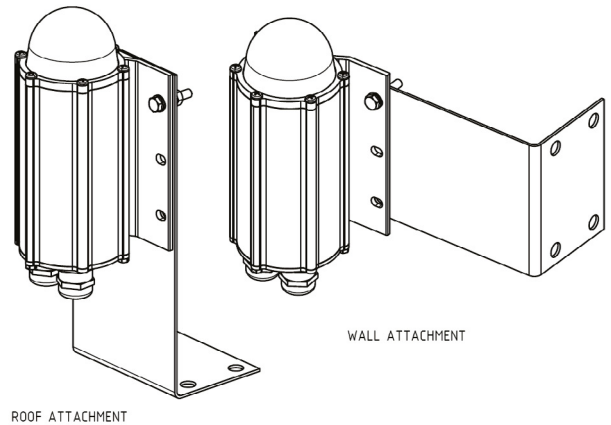Mounting set for horizontal plate or wall installation

Mounting set include:
- 4 pcs M6x30 bolt, 8 pcs M6 hex nut, 4 pcs 6/12 washer
- 1 pcs L-shape 2mm plate

All parts AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-RW datasheet

Order Code: **CEL-MS-RW**

WALL ATTACHMENT

ROOF ATTACHMENT

CEL-MS-LVU
Mounting set for L and V -shape profiles

Mounting set include:
- 1 set accessories for light unit fitting to plate
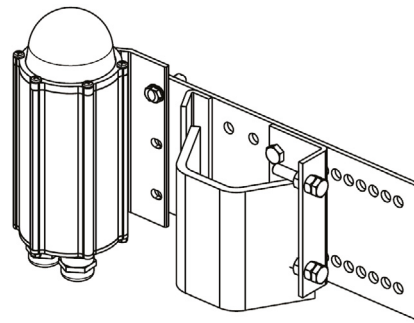- 1 pcs extension plate with adjusting plate and accessories

Extension plate hot dip galvanized steel, other parts
AISI 316 acid proof steel
More detailed mechanical data: CEL-MS-LVU datasheet

Order Code: **CEL-MS-LVU** (with galvanized extension plate)
                CEL-MS-LVA (with AISI 316 extension plate)

CEL MS-N1B
Mounting set for 1" NPT at bottom
More detailed mechanical dimensions: CEL-MS-N1B dataheet

Order Code: **CEL-MS-N1B**

1 NPT

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