

# MEDIUM INTENSITY

## MEDIUM INTENSITY OBSTRUCTION LIGHT CAP168



According to **CAP 168 Medium Intensity Obstruction Lights - Type** - have to be **used where the obstacle is particularly large and the height is more than 45m**, such as telecommunication towers, wind turbines, chimneys, cranes, skyscrapers and other structures.

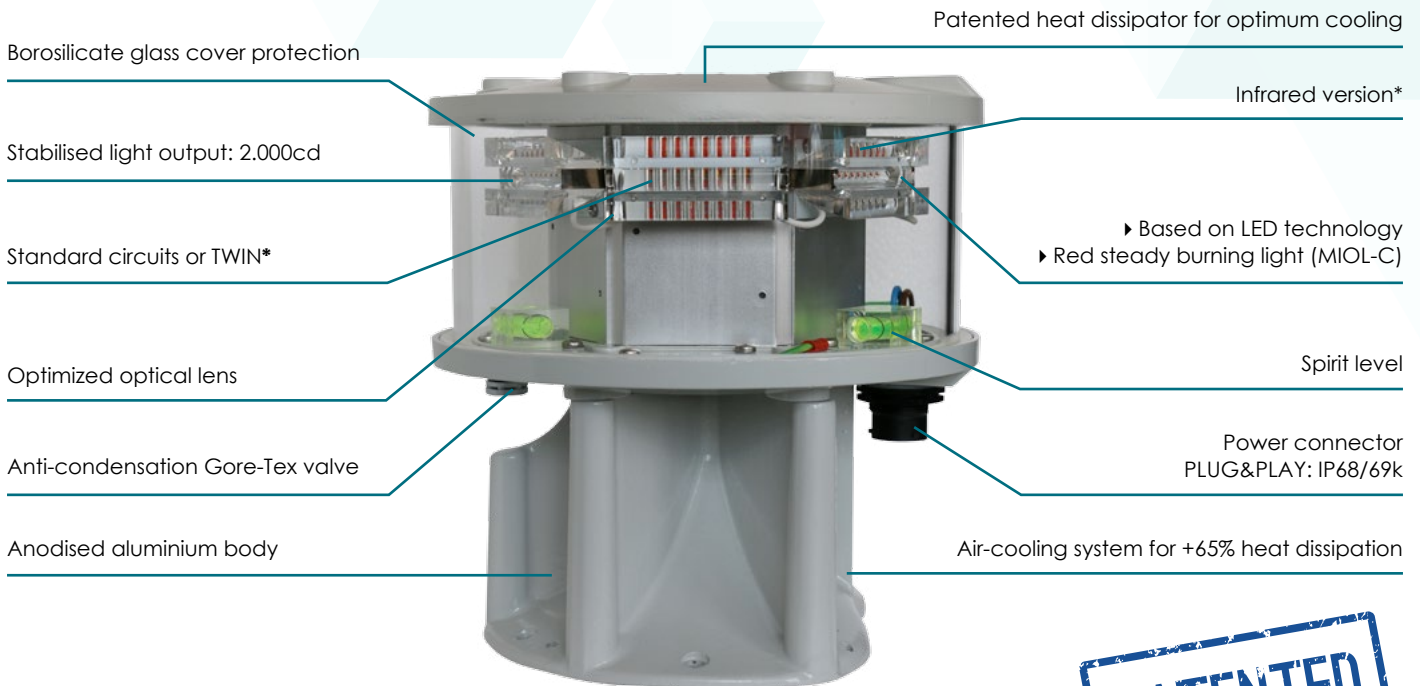
Medium Intensity Obstruction Lights Type C have to be placed at the top of the obstacle to indicate the highest point or edges:

Lights must also be placed at intermediate levels with a maximum vertical spacing of 52m; in case of lights installed on towers supporting overhead wires no. 3 levels must be displayed with a maximum spacing of 105m.



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## MIOL-C CAP168



**NOTE: electronic beacon driver in a separate enclosure**

\*as option

**IP66**



LUXSOLAR L864-LXS-200-CAP168 Medium Intensity Obstruction Light is **compliant to ICAO** (Medium Intensity - Type B or C), **FAA** (Type L-864), **ENAC and EASA certified**.

With a **compact body**, high quality and **ultra-bright LEDs**, **customized lenses and patented shape for optimum light emission and beacon cooling** LUXSOLAR MIOL-B/C-LXS-200 product is the most **up-to-dated and technologically advanced Aircraft Warning Light**.

This LED device is designed to **not contain any electronic component** (that is available in a separate control local panel): a huge **advantage in terms of increased life-time and suitability to all environments** (beacons can stand extreme weather conditions) and in terms of an **easy maintenance** (in case of maintenance or periodic checks on electronic components, these can be done at ground or easily accessible levels).

### CERTIFICATION



### COMPLIANCE



### FEATURES



### TYPICAL APPLICATION



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## MIOL-C CAP168 TECHNICAL SPECIFICATIONS

### OPTICAL FEATURES

- Based on LED technology
- RED light 2.000cd steady burning
- Cd emission @ -4° and +4°
- Horizontal beam radiation: 360°
- Vertical beam spread: 4°
- PMMA lens
- Light output alignment device

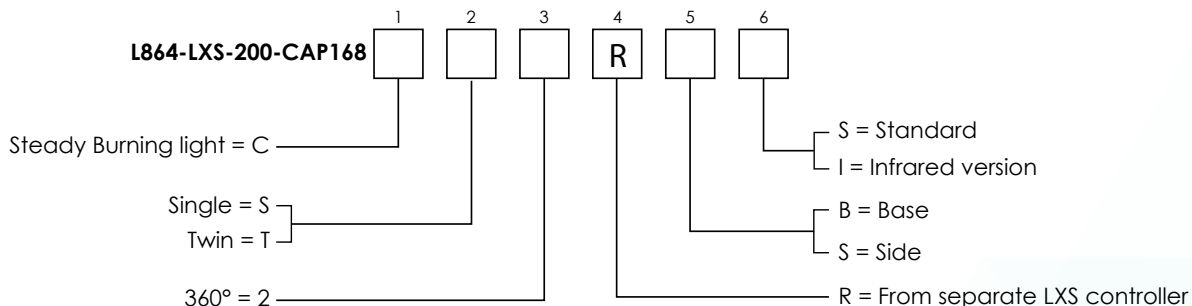
### MECHANICAL FEATURES

- Anodised aluminium body, painted RAL7035
- Borosilicate glass cover protection
- Silicon rubber, VMQ
- Base wind collector and internal heat sink for optimum cooling
- Degree of protection: IP66
- Anti-condensation Gore-Tex valve
- Operating temperature: -30°C to +50°C
- Lamp unit weight: 6kg
- SS304 beacon support bracket

### ELECTRICAL FEATURES

- Power supply by LUXSOLAR remote control panel (see dedicated datasheet for panel):
  - 12/24 VDC;
  - 48 VDC;
  - 115/230VAC;
  - Other power supply range available;
- Average power consumption: 21W
- LED feeded at constant current
- No RF-radiations
- Range section of connectable conductors: 0,5mm<sup>2</sup> to 2,5mm<sup>2</sup>
- Cable outer diameter range: 7mm to 14mm

### ORDER CODE



### OPTIONS

- LUXSOLAR Cloud Monitoring System
- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)

### APPLY TO

- Fixed obstacle with an height above 45m if are aerodrome obstacle or with an height above 150m if are en-route obstacle(away form an aerodromes)

### CERTIFICATIONS

- CE marking

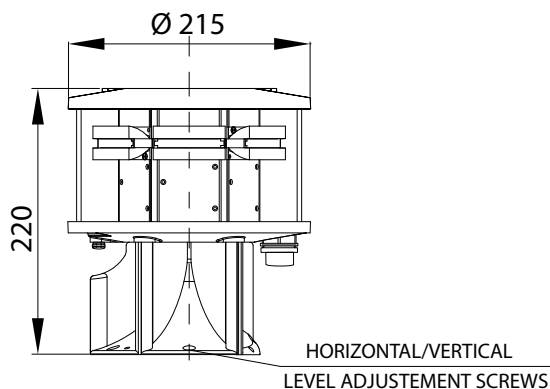
### COMPLIANCE

- CAP168 licensing of Aerodromes, Ch.4: the assessment and treatment of obstacles

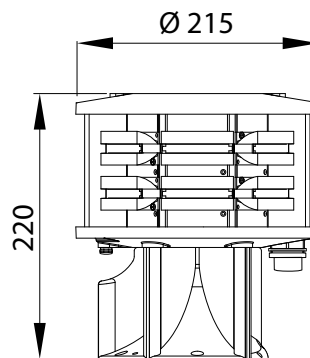
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## MIOL-C CAP168 TECHNICAL SPECIFICATIONS

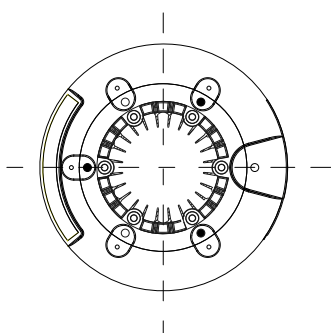
SINGLE VERSION  
SIDE VIEW



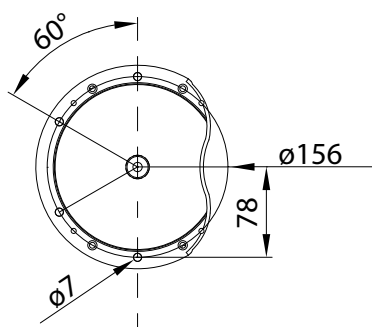
TWIN VERSION  
SIDE VIEW



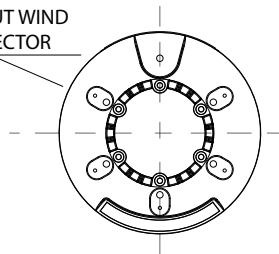
TOP VIEW



BOTTOM VIEW



BOTTOM VIEW  
WITHOUT WIND  
COLLECTOR



FIXING DETAILS SIDE

(not scale)

