



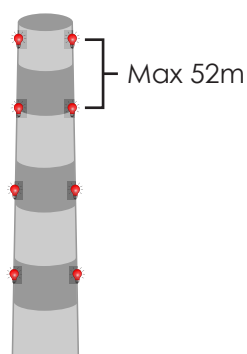
## MEDIUM INTENSITY OBSTRUCTION LIGHT CAP168

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

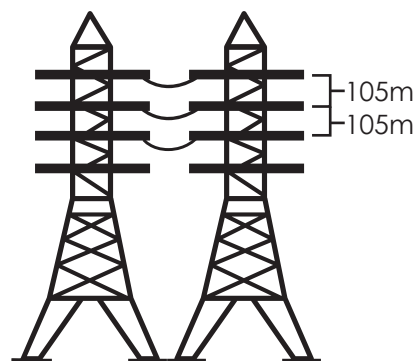
Medium Intensity Obstacle Lights Type C have to be placed at the top of the obstacle to indicate the highest point or edges.

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.

Chimney

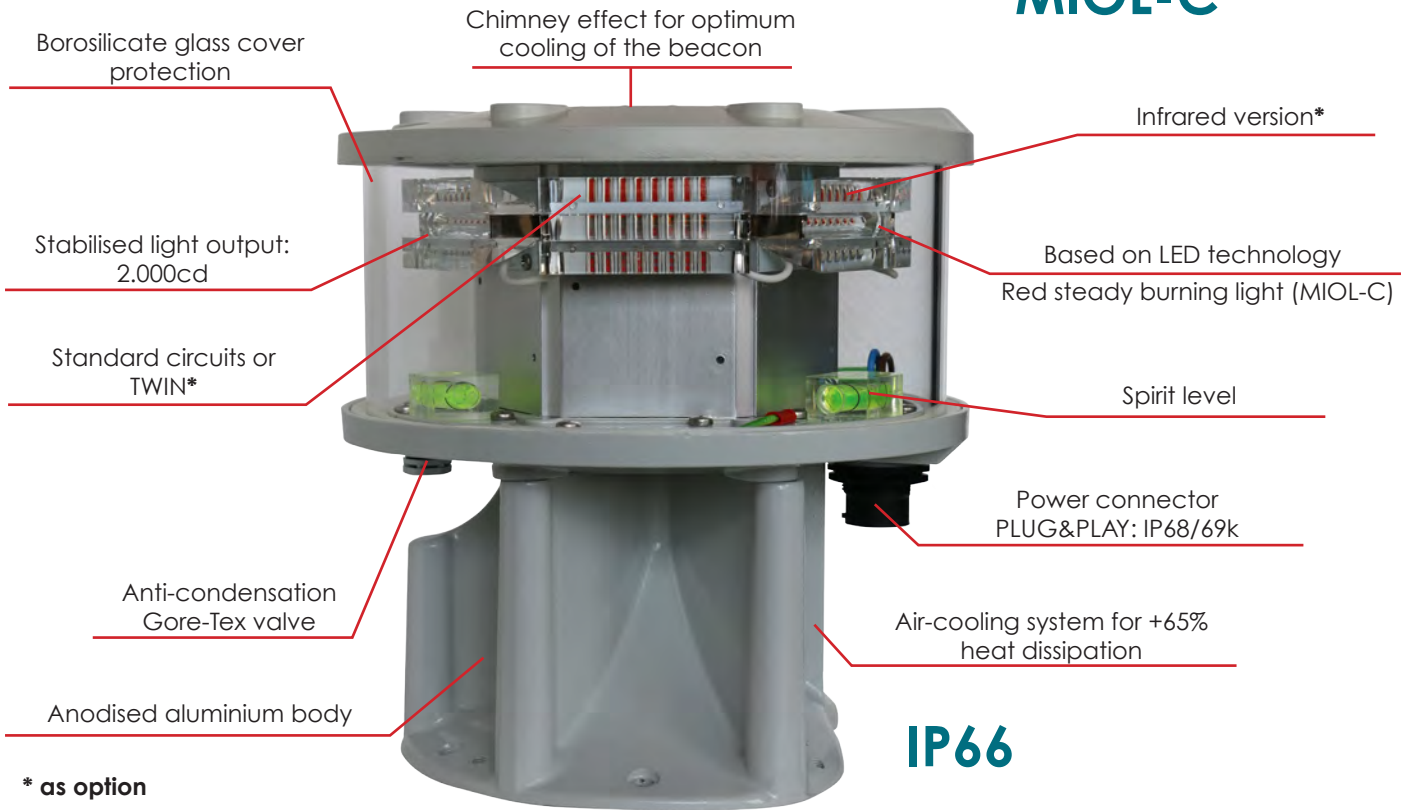


Towers with no.3 wires



# MEDIUM INTENSITY

## MIOL-C



**IP66**

\* as option

Patented Beacon: **EU 001929910-0001; Canada 145 189; USA D673,474; Turkey TR2012 05662.**

Medium Intensity Obstruction Light is equipped with a patented air-cooling system, based on the "Venturi Effect", increasing the heat dissipation due to wind.

Thanks to a **lifetime >10 years** and a **low power consumption**, this beacon is the ideal solution for an **efficient, lightweight** and **compact** obstacle signalling. The circular shape of the device allows reducing the wind load factor [Wind resistance tested at 240km/h (150mph)], and guarantees an omnidirectional light propagation.

**MIOL-C** emits **red steady burning light**.

### CERTIFICATIONS



### COMPLIANCE



### FEATURES



### APPLICATIONS



# MEDIUM INTENSITY

## MIOL-C TECHNICAL SPECIFICATIONS

### OPTICAL FEATURES

- RED light 2.000cd, steady burning
- Cd emission @ -4° and +4°
- Horizontal beam radiation: 360°
- Vertical beam spread: 4°
- PMMA lens (PMMA)
- Light output alignment device

### GENERAL OPTIONS

- Beacon support bracket
- Flow deflector
- Power supply AC or DC
- GPS (Global Position System) Sync
- Infrared version

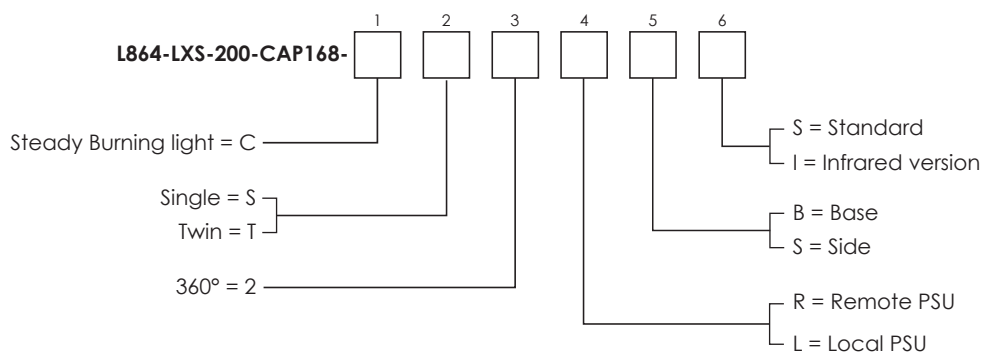
### TWIN VERSION OPTIONS

- Twin version: two galvanically separated circuits in the same fixture
- Fault alarm
- Automatic changeover from normal to backup light
- Infrared version

### MECHANICAL FEATURES

- Borosilicate glass cover protection
- RAL 7035 painted aluminium body lamp
- Silicon gasket
- Bottom wind collector for central heat-sink cooling
- Degree of protection: IP66
- Anti-condensation Gore-Tex valve
- Wind resistance tested at 240km/h (150mph)
- Vibration resistance up to: 80m/s<sup>2</sup> (10° Mercalli Intensity Scale / 7° Richter Magnitude Scale)
- Operating temperature: -20°C to +45°C
- Storage temperature: -20°C to +45°C
- Lamp unit weight: 6kg

### ORDER CODE



### INFRARED VERSION OPTIONS

- IR Wavelength - 850nm

### ELECTRICAL FEATURES

- Alarm/remote status control
- Electronic control parts installed outside the beacon
- Average power consumption: 54W
- LED feeded at constant current
- Lightning protection
- 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

### APPLY TO

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

### CERTIFICATIONS

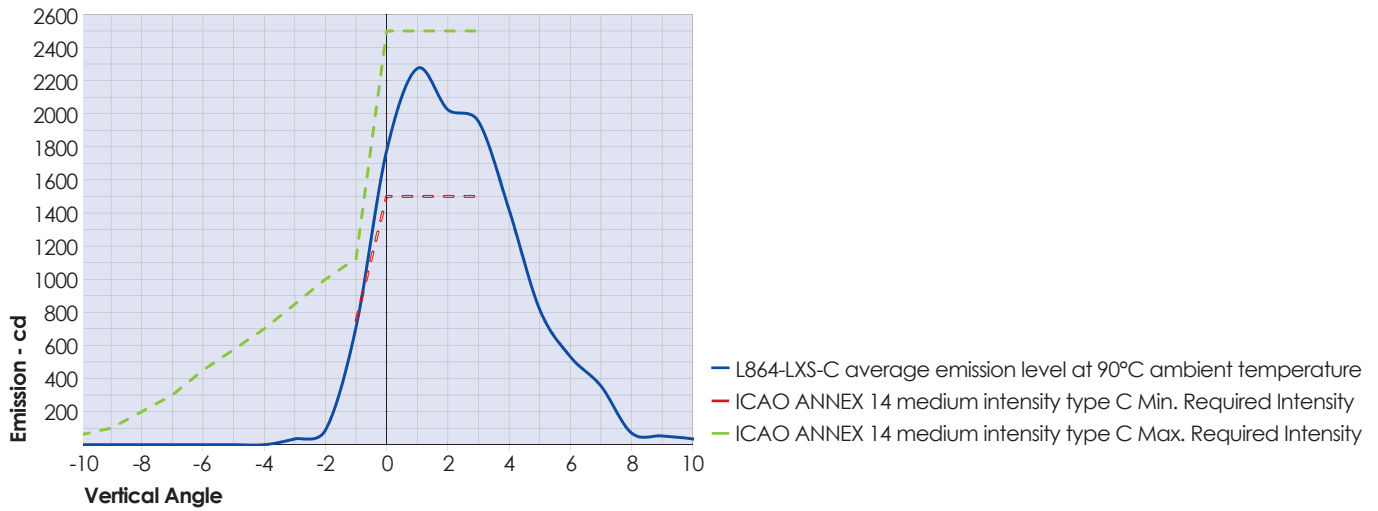
- CE marking

### COMPLIANCE

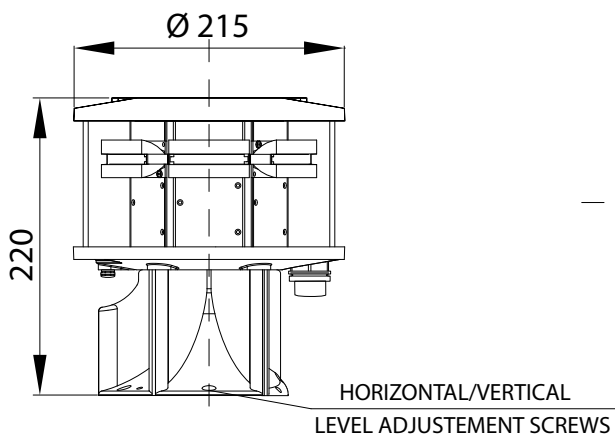
- ICAO Aerodromes -Annex 14 Vol. 1, Chapter 6: Medium intensity, Type C steady burning obstacle light MIOL-C type
- CAP168 Licensing of Aerodromes, Ch. 4: The Assessment and Treatment of Obstacles



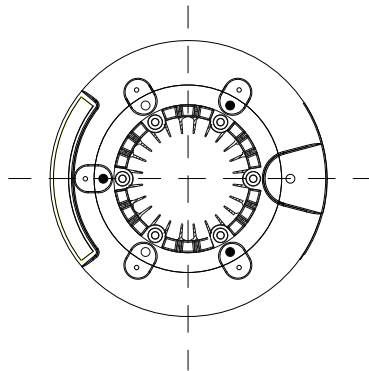
# MIOL-C TECHNICAL SPECIFICATIONS



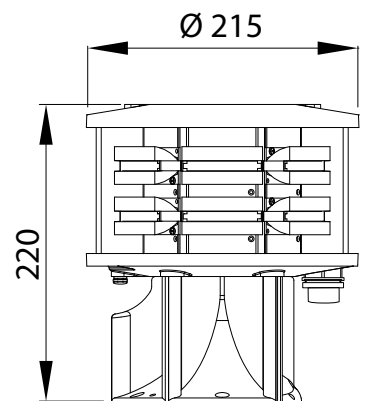
SINGLE VERSION  
SIDE VIEW



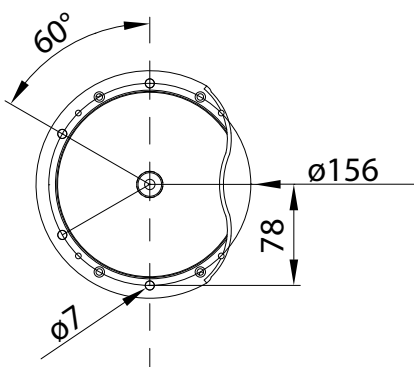
TOP VIEW



TWIN VERSION  
SIDE VIEW



BOTTOM VIEW



BOTTOM VIEW  
WITHOUT WIND  
COLLECTOR

