

MEDIUM INTENSITY



MEDIUM INTENSITY OBSTRUCTION LIGHT



According to ICAO - Annex 14 Medium Intensity Obstruction Lights - Type A, B or C - have to be used where the obstacle is particularly large and the height of the surrounding soil is more than 45m.

Medium Intensity Obstacle Lights Type A and C have to be used alone, whereas Medium Intensity Obstacle Lights, Type B, should be used either alone or in combination with Low Intensity Obstacle Lights, Type B.

The Medium Intensity Obstruction Lights Type A is white flashing.

The Medium Intensity Obstruction Lights Type B is red flashing.

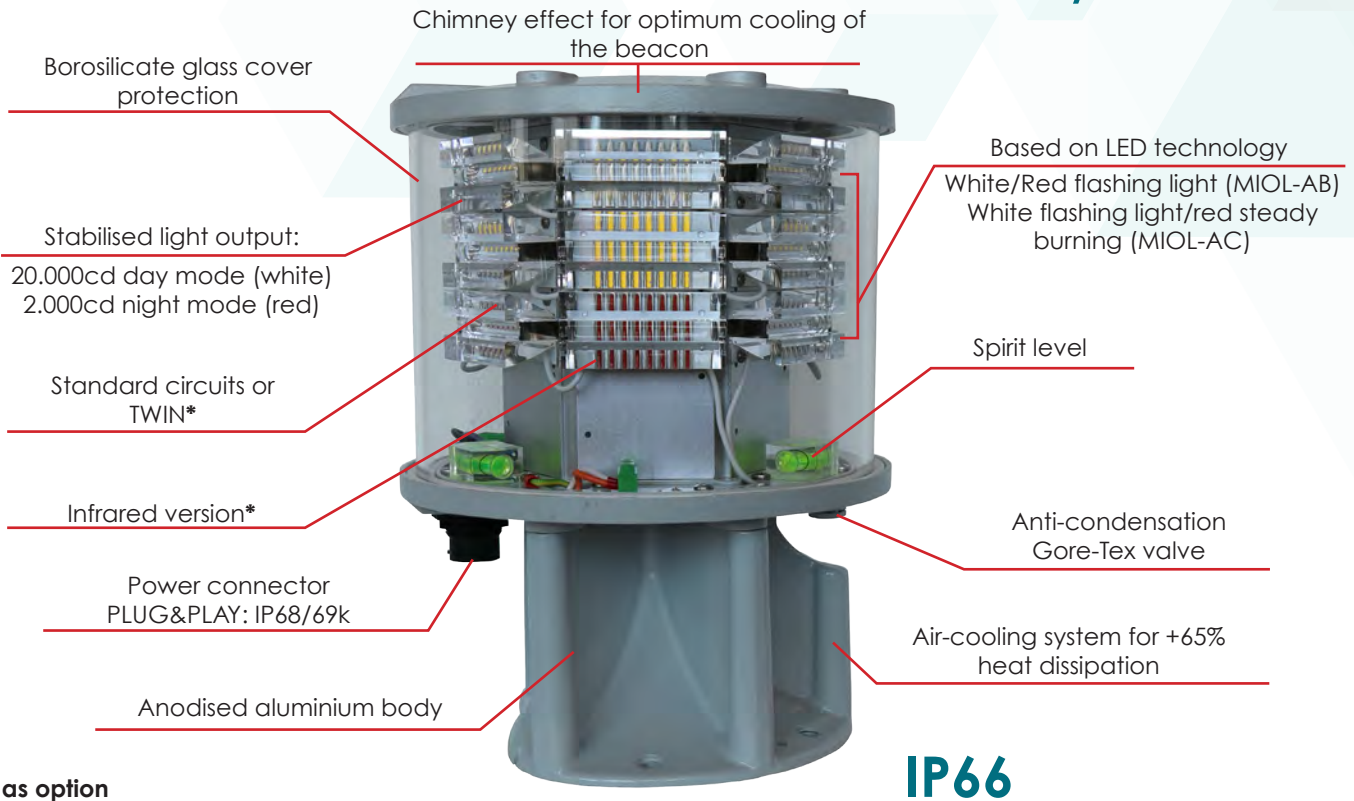
The Medium Intensity Obstruction Lights Type C is red steady burning.



LUXSOLAR beacons are composed of a plurality of separated lenses not belonging to the central body of the beacon. This allows the lenses to be coupled by distinct clamping elements.

MEDIUM INTENSITY

MIOL-AB / MIOL-AC



* as option

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

Medium Intensity Obstruction Light is compliant to ICAO (Medium Intensity – Type A + Type B/C), FAA (Type L-865 / L-866+L864) and certified ENAC.

This beacon is equipped with a patented air-cooling system, based on the “**Venturi Effects**”, 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** obstruction signalling. The circular shape of the device allows to reduce the wind load factor [Wind resistance tested at 240km/h (150mph)], and guarantees an omnidirectional light propagation.

MIOL-AB / MIOL-AC emits **white flashing light for day** mode and **red light for night mode** (flashing for Type AB or steady burning for Type AC).

CERTIFICATIONS



COMPLIANCE



FEATURES



APPLICATIONS



MEDIUM INTENSITY

MIOL-AB and MIOL-AC TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- 20.000cd day mode, WHITE light
- 2.000cd night mode, RED light
- Cd emission @ -0,5° and +4°
- Horizontal beam radiation: 360°
- Vertical beam spread: 4°
- PMMA lens
- Light output alignment device

GENERAL OPTIONS

- Dual AB: white flash on day, red flash on night
- Dual AC: white flash on day, red steady burning on night
- Beacon support bracket
- Flow deflector
- Horizontal beam radiation: 180°
- Power supply AC or DC
- GPS (Global Position System) Sync
- Infrared version

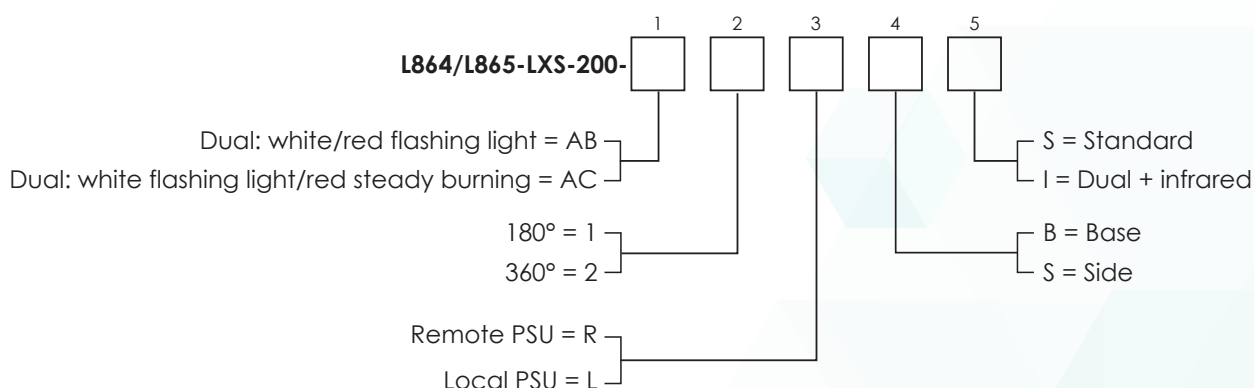
INFRARED OPTIONS

- IR Wavelength - 850nm

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/s² (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: 7kg

ORDER CODE



APPLY TO

- Airport - Stack - High building - Chimney - Tower crane
- Pipe line - Bridge - Radio and television tower
- Transmission line - Wind turbine - Wind mast measurement
- Radar - Antenna

ELECTRICAL FEATURES

- Alarm/remote status control
- Electronic Control parts installed outside the beacon (see pag. 30)
- Average power consumption:
 - @20fpm day mode: 45W (Miol-AB/Miol-AC)
 - @20fpm night mode: 10W (Miol-AB)
 - @40fpm day mode: 110W (Miol-AB/Miol-AC)
 - @40fpm night mode: 12W (Miol-AB)
 - @60fpm day mode: 160W (Miol-AB/Miol-AC)
 - @60fpm night mode: 16W (Miol-AB)
 - night mode (luce fissa) Miol-AC: 50W
- LED feeded at constant current
- Lightning protection
- No RF-radiations
- Range section of connectable conductors: 0,5mm² to 2,5mm²
- Cable outer diameter range: 7mm to 14mm

CERTIFICATIONS

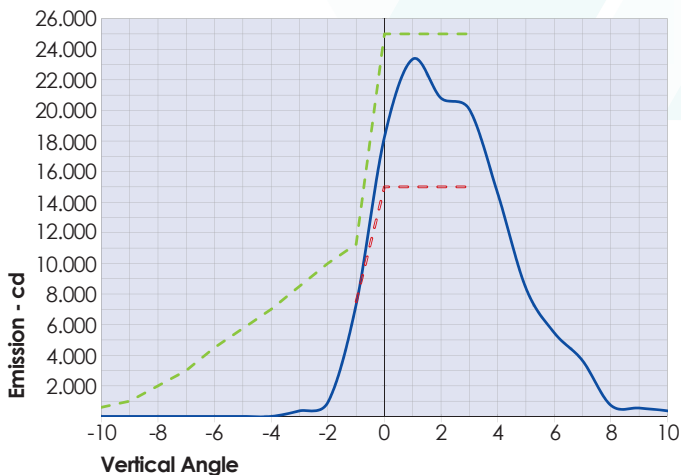
- DGAC/STAC approval nr. 2013A037/ 2013A038
- ENAC approval nr. 0135182/ENAC/CIA
- CE marking

COMPLIANCE

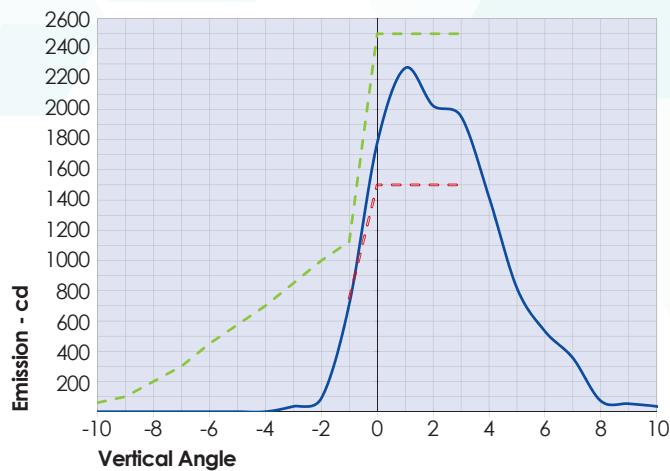
- ICAO Aerodromes - Annex 14 Vol.1, Ch. 6: Medium intensity, Type B flashing obstacle light MIOL-AB type, Type AC flashing/steady burning obstacle light MIOL-AC Type
- FAA AC150/5345-43F E.B. #67 Lamp type Dual L-864/L-865

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MIOL-AB and MIOL-AC TECHNICAL SPECIFICATIONS



- L865-LXS-A average emission level at 90°C ambient temperature
- ICAO ANNEX 14 medium intensity type A Min. Required Intensity
- ICAO ANNEX 14 medium intensity A Max. Required Intensity



- L864-LXS-B/C average emission level at 90°C ambient temperature
- ICAO ANNEX 14 medium intensity type B/C Min. Required Intensity
- ICAO ANNEX 14 medium intensity type B/C Max. Required Intensity

