# MEDIUM INTENSITY OBSTRUCTION LIGHT ALL-IN-ONE

According to Annex 14 of ICAO regulation, Medium Intensity Obstruction Lights (MIOL) should be used to warn the presence of obstacles that could constitute hazard to air navigation.

**LUXSOLAR MIOL-B/C ALL-IN-ONE beacon is the ideal solution when a compact and fully equipped device is needed; the perfect Aircraft Warning Light for transmission and telecommunication towers, meteorological masts and cranes.**



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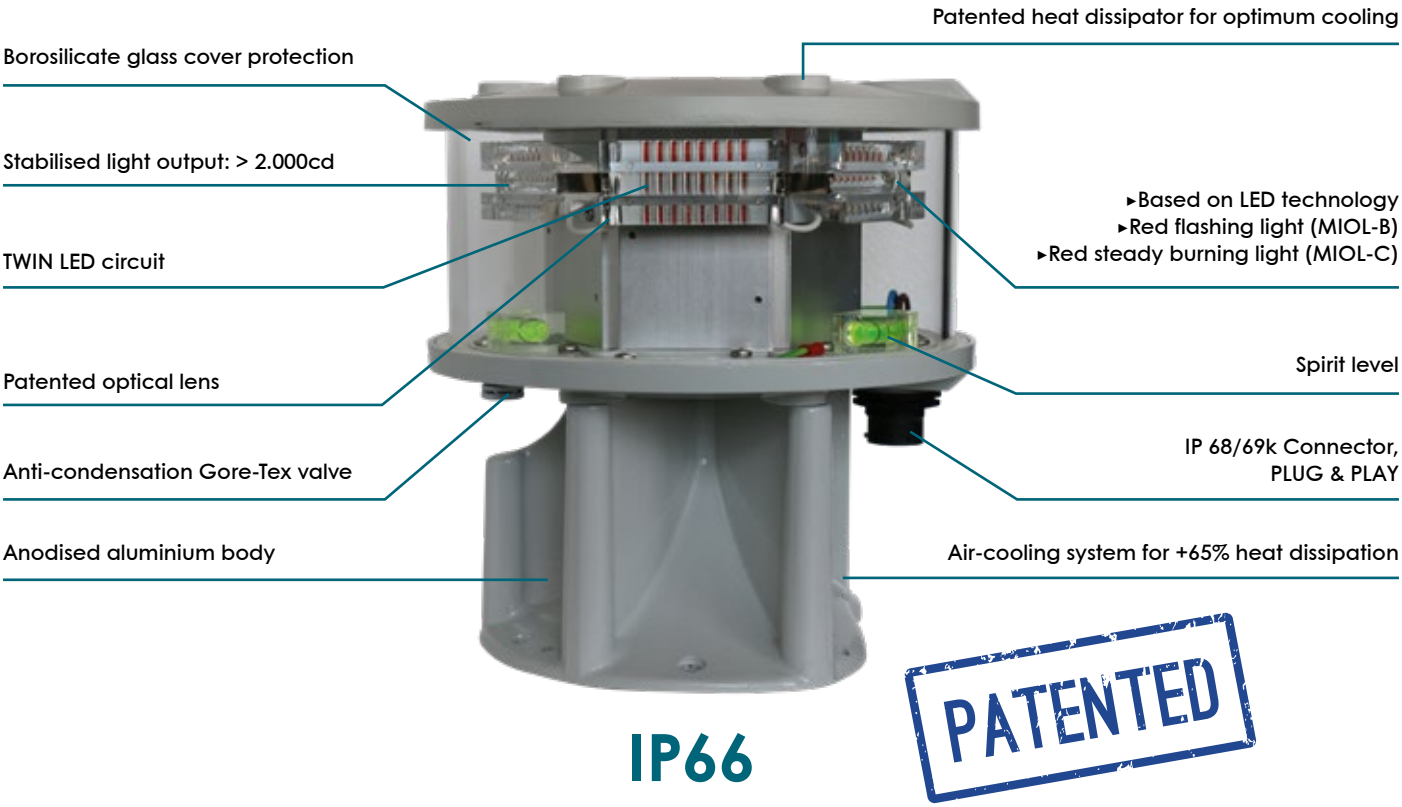
# MEDIUM INTENSITY

## MIOL-B/MIOL-C ALL-IN-ONE




**IP66**

PATENTED

LUXSOLAR L864-LXS-ALL 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, patented lenses and patented shape for optimum light emission and beacon cooling;** LUXSOLAR MIOL-B/C ALL-IN-ONE product is the most **up-to-dated** and **technologically advanced** Aircraft Warning Light. This LED device has been designed to concentrate in one fixture several features: **TWIN version as standard characteristic (normal + stand-by LED circuit), built-in remote fault monitoring, twilight sensor and GPS module (option).**

**You just have to power supply the light, LUXSOLAR L864 ALL-IN-ONE will do the rest!**

### CERTIFICATION

CE · ENAC · EASA

### COMPLIANCE

ICAO · FAA · MIOL-C: CAP168

### FEATURES

BASE: alu AL · COVER: BOROSILICATE · -20°C +45°C · IP66 · ON · SELF extinguishing · LED SMD · TYPE B/C: CD 2000 · OPTION: TWIN OPERATIONS · TYPE C: 21W · TYPE B: 2,4W @20 FPM · TYPE B: 3,7W @40 FPM · TYPE B: 5W @60 FPM

LED LIGHT DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS 3R LED PRODUCT · Photometric Test · GORE TEX · EASY INSTAL

### TYPICAL APPLICATION



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# MEDIUM INTENSITY

# MIOL-B/MIOL-C ALL-IN-ONE TECHNICAL SPECIFICATIONS

## OPTICAL FEATURES

- Based on LED technology
- RED light
- MIOL-B: >2.000cd Flashing
- MIOL-C: >2.000cd Steady Burning
- Cd emission @ -0,5° and +4°
- Horizontal beam radiation: 360°
- Vertical beam spread: 4°
- PMMA lens
- Light output alignment device

## MECHANICAL FEATURES

- Anodised aluminium body, painted RAL7035
- Terminal JB for connection in Glass Reinforced Polyester (GRP), black colour
- 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: -20°C to +45°C
- Lamp unit weight: 6kg approx.
- SS304 beacon support bracket
- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)

## ELECTRICAL FEATURES

- Power supply 24VDC (18-32VDC) or 115/230Vac
- Average power consumption for MIOL-B @24Vdc (flashing):
  - @20fpm: 2,4W
  - @40fpm: 3,7W
  - @60fpm: 5W
- Average power consumption for MIOL-C @24Vdc (Steady Burning): 21W
- Peak power consumption MIOL-B/C: 30VA
- LED feeded at constant current
- Surge arrester
- No RF-radiations
- Contact Fault Alarm - Free Voltage
- Automatic changeover from normal to stand-by LED circuit

## ELECTRICAL FEATURES

- Photocell (twilight sensor)
- Recommended cables:
- - Power: 3x1,5mm² or 3x2,5mm²
  - Alarm: 2x1mm²
- Cable outer diameter range: 8mm to 17mm

## OPTIONS

- GPS (Global Position System) module for synchronization among two or more light fixtures
- LUXSOLAR Cloud Monitoring System - Low Impact
- Astronomic clock
- IR Warelengt-850nM, compatible with pilot's NVG

## APPLY TO

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

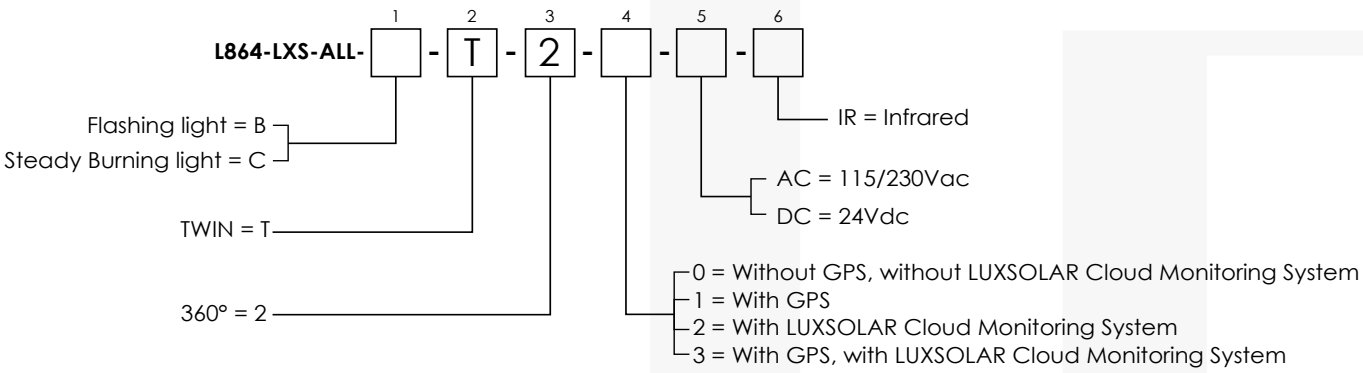
## CERTIFICATIONS

- DGAC/STAC approval nr. 2013A037
- ENAC approval nr. 0135182/ENAC/CIA
- EASA test report (EN17025 laboratory) nr. 326-QL20-R09/R10
- FAA test report (EN17025 laboratory) nr. 880-QL18-R03
- CE marking

## COMPLIANCE

- ICAO Aerodromes - Annex 14 Vol. 1, Ch.6: Medium intensity, Type B flashing obstacle light MIOL-B type or Type C steady burning obstacle light MIOL-C type;
- FAA AC150/5345-43; E.B. #67 type L-864
- CAP168 Licensing of aerodromes, Ch.4 (MIOL-C)

## ORDER CODE



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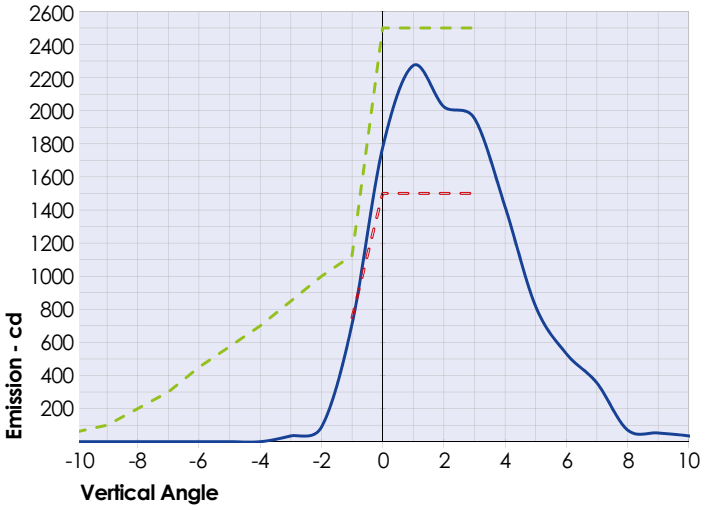
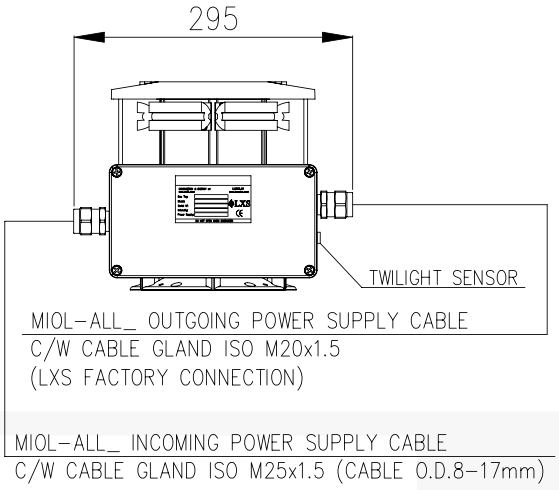
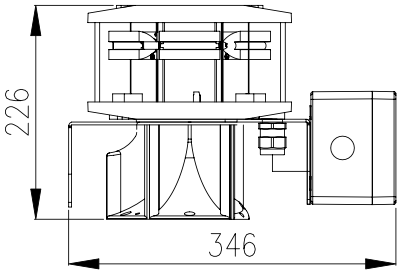



— L864-LXS-B/C average emission level at 90°C ambient temperature
— ICAO ANNEX 14 medium intensity type B/C Min. Required Intensity
— ICAO ANNEX 14 medium intensity type B/C Max. Required Intensity

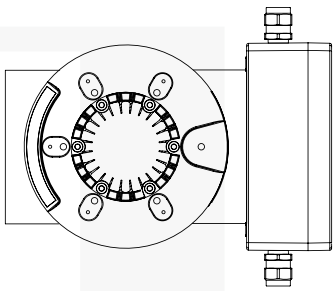
**BEACON FRONT VIEW**



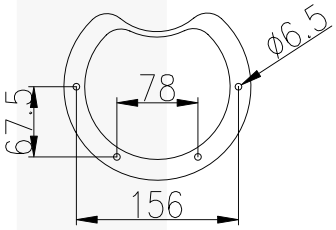

**BEACON SIDE VIEW**



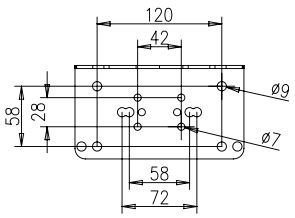

**BEACON TOP VIEW**



**FIXING DETAILS BASE**




**FIXING DETAILS SIDE**



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