



LOW INTENSITY OBSTRUCTION LIGHT

As specified by Annex 14 of ICAO regulations, Low Intensity Obstruction Light can be used to warn the presence of obstacles up to 45m height, such as telecommunication towers, wind turbines, chimneys, cranes, buildings and other structures.

This beacon is the simplest device according to ICAO standards. It provides steady burning red light with two types of intensity: $\geq 10\text{cd}$ for Type A, $\geq 32\text{cd}$ for Type B and $\geq 32\text{cd}$ for Type E (flashing red light).

Low intensity obstacle lights, Type A can be used alone.

Low intensity obstacle lights, Type B, can be used either alone or in combination with medium intensity obstacle lights, Type B.

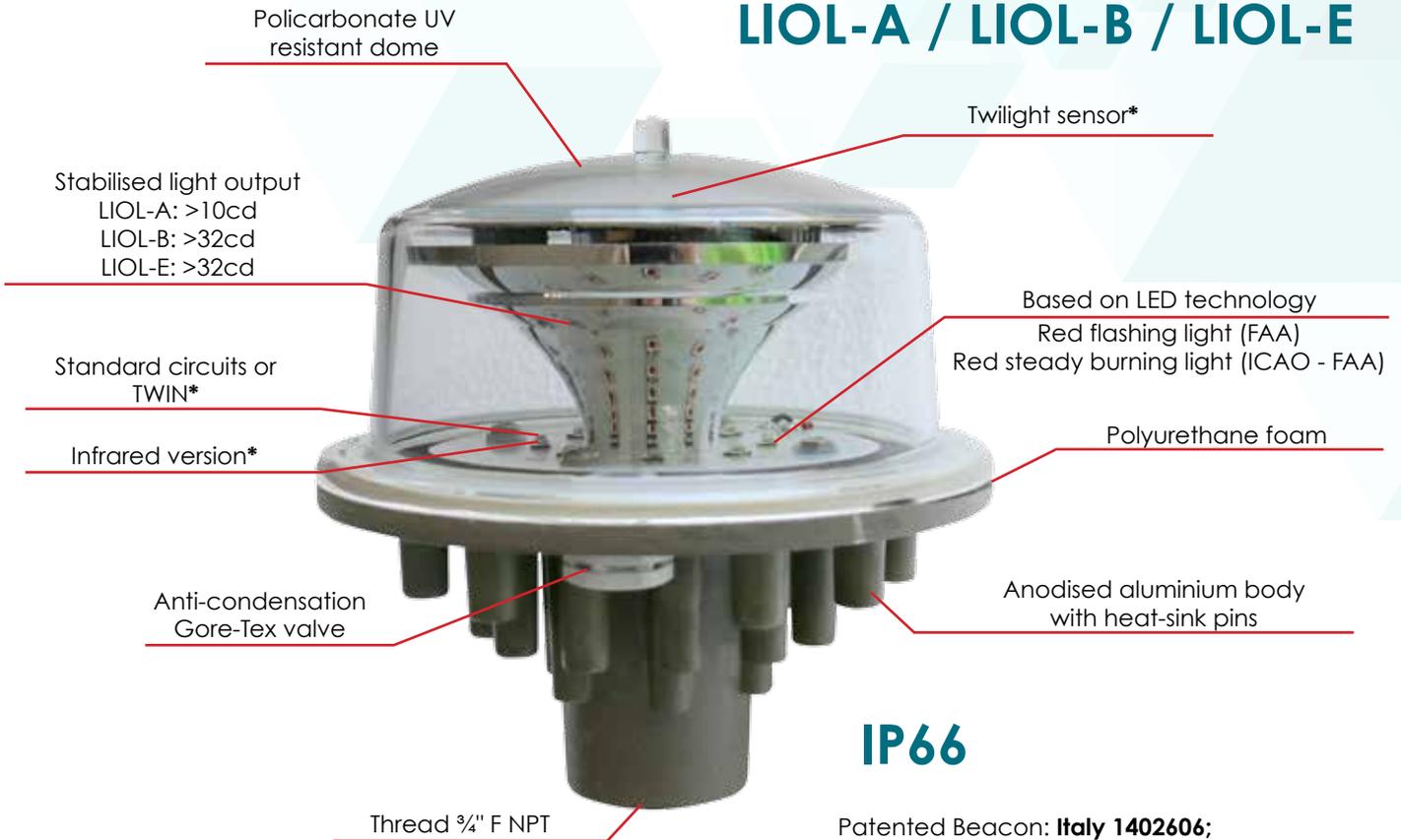
Low intensity obstacle lights, Type E, can be used either alone or in combination with medium intensity obstacle lights, Type B. Type E will flash at the same rate of other flashing beacons installed.



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.

LOW INTENSITY

LIOL-A / LIOL-B / LIOL-E



IP66

Patented Beacon: **Italy 1402606;**
Germany 20 2011 107 787.3; France 1160162.

* as option

Low Intensity Obstruction Light is compliant to ICAO (Low Intensity – Type A or B), FAA (Type L-810) and ENAC certified.

With a low-weight base, designed to dissipate the heat, this LED device is the ideal solution for an **efficient, light and compact** obstruction signalling, able to guarantee a **product life exceeding ten years**, along with a **reduced power consumption**.

LIOL-A / LIOL-B beacon has a **red steady burning light** with an omnidirectional light beam and a patented optical reflector, able to ensure a vertical beam spread of 10°, according to ICAO Annex 14.

LIOL-E beacon has a **red flashing light** with an omnidirectional light beam and a patented optical reflector, able to ensure a vertical beam spread of 10°, according to ICAO Annex 14.

CERTIFICATIONS



COMPLIANCE



FEATURES



APPLICATIONS



LOW INTENSITY

LIOL-A, LIOL-B and LIOL-E TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning (ICAO - FAA)
- RED light - Flashing (FAA)
- LIOL-A: >10 cd
- LIOL-B: >32 cd
- LIOL-E: >32 cd (flashing light) *
- Cd emission: +6° and +10°
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector

TWIN OPTIONS

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

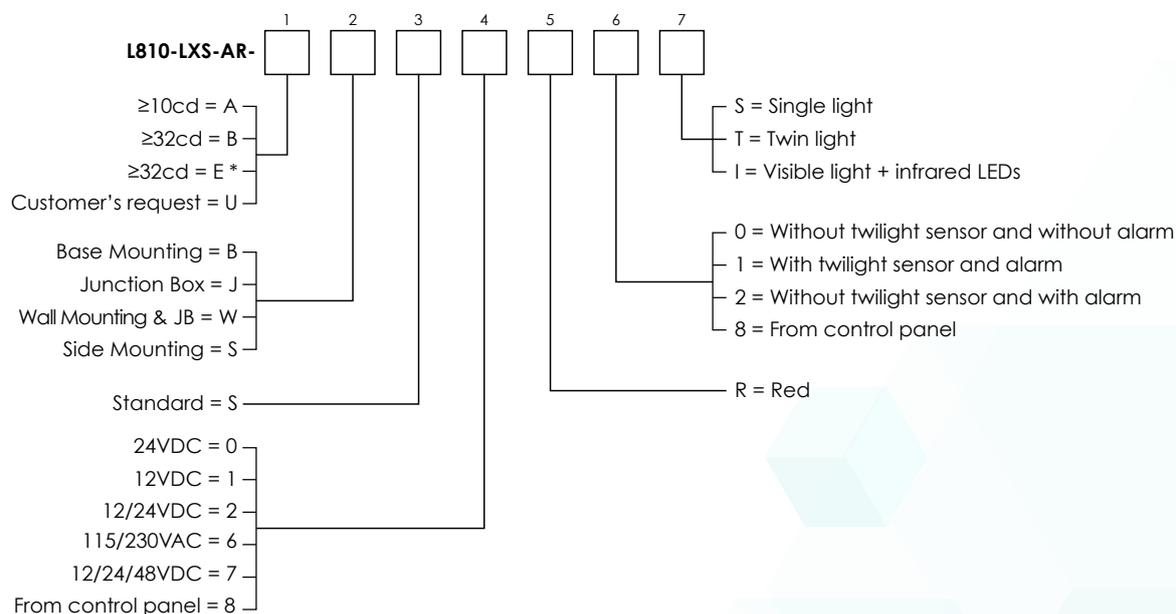
INFRARED OPTIONS

- IR Wavelength - 850nm

ELECTRICAL FEATURES

- Power supply AC or DC
- Power consumption LIOL-B: 4W (for DC)
- Power consumption LIOL-E: 2W (for DC)
- LED fed at constant current

ORDER CODE



MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins at the bottom
- Polycarbonate UV resistant dome
- Polyurethane foam
- Degree of protection: IP66
- Operating temperature: -20°C to +50°C
- Storage temperature: -20°C to +50°C
- Lamp unit weight: 1kg

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

CERTIFICATIONS

- DGAC/STAC approval nr. 2013A048
- ENAC approval nr. 0135182/ENAC/CIA
- CE marking

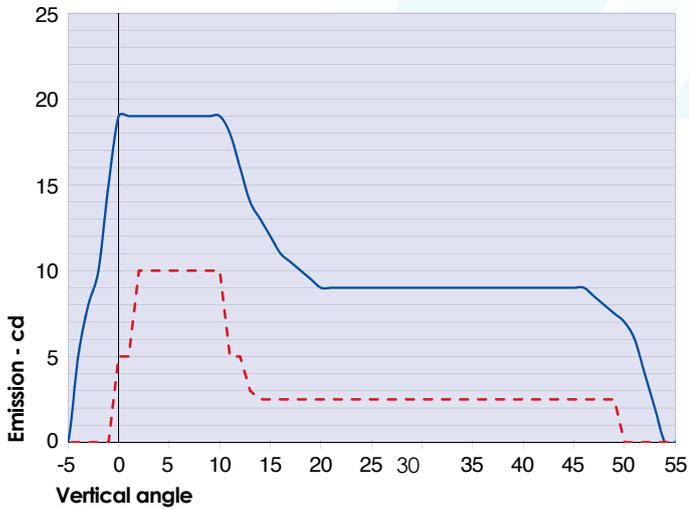
COMPLIANCE

- ICAO Aerodromes - Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstruction light
- FAA AC150/5345-43F E.B. #67 type L-810
- Licensing of aerodromes - CAP168 - Chapter 4

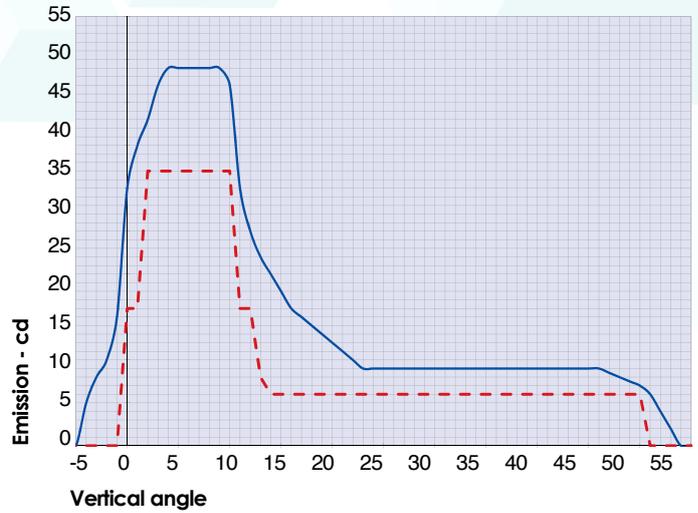
* LIOL-E must flash at the same rate as the other flashing obstruction lights installed

LOW INTENSITY

LIOL-A, LIOL-B and LIOL-E TECHNICAL SPECIFICATIONS

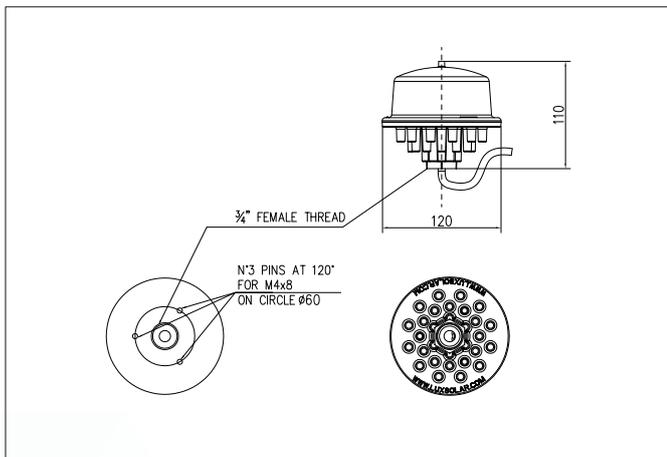


— L810-LXS-A average emission level
 - - - ICAO ANNEX 14 low intensity type A Minimum Required Intensity

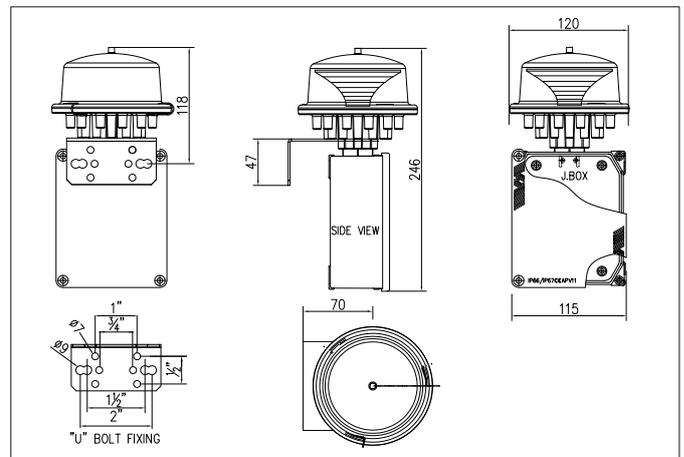


— L810-LXS-B/E average emission level
 - - - ICAO ANNEX 14 low intensity type B and E Min Required Intensity

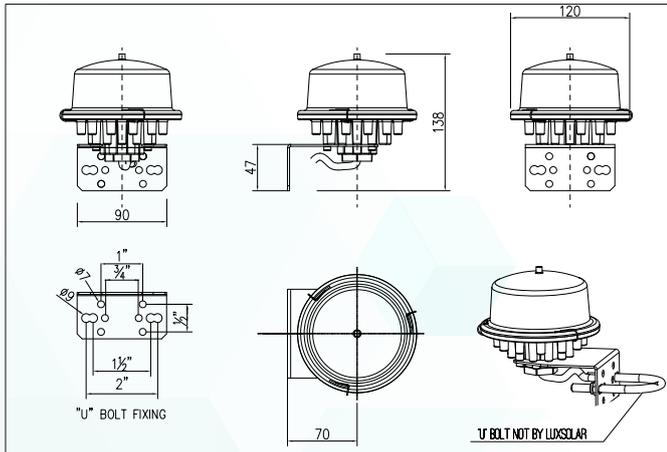
BASE MOUNTING



WALL MOUNTING & JB



SIDE MOUNTING



JUNCTION BOX

