

LOW INTENSITY OBSTRUCTION LIGHT LXS-ONE



As specified by Annex 14 of ICAO regulation, Low Intensity Obstruction Lights (LIOL) should be used to warn the presence of obstacles up to 45m height, such as telecommunication towers, wind turbines, chimneys, cranes, buildings and other structures.

Low Intensity Obstruction Lights are the simplest devices according to ICAO standards and they have the following characteristics and uses:

- LIOL, Type A (intensity $>10\text{cd}$, red steady burning) can be used alone;
- LIOL, Type B (intensity $>32\text{cd}$, red steady burning), can be used either alone or in combination with medium intensity obstacle lights Type B, Type AB or with high intensity obstacle lights Type AB;



LOW INTENSITY

LXS-ONE-A/LXS-ONE-B

Stabilised light output:

LIOL-A: >10cd

LIOL-B: >32cd

EDPM gasket

PMMA lens

Anodised aluminium body

Cable Gland: M12x½

Beacon support bracket



IP66



LUXSOLAR L810-LXS-ONE Low Intensity Obstruction Light is compliant to ICAO (Low Intensity - Type A or B), FAA (Type L-810) and EASA certified.

With an ultra low-weight (less than 300gr) and smallest body for an obstruction light device, high quality and ultra-bright mono-LED, optical PMMA lens for an optimum beam spread, LUXSOLAR LIOL-A/B LXS-ONE product is your best choice for an efficient, long life and reliable Aircraft Warning Obstacle Light.

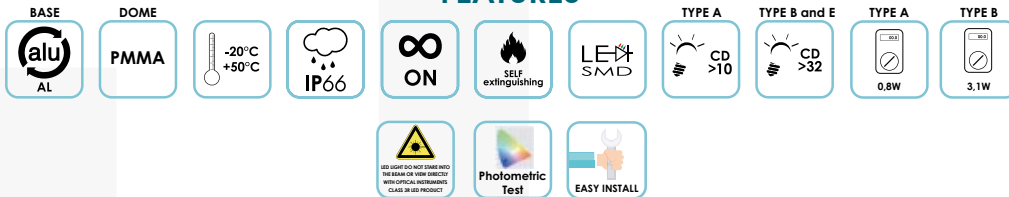
CERTIFICATION



COMPLIANCE



FEATURES



TYPICAL APPLICATION



LOW INTENSITY

LXS-ONE-A and LXS-ONE-B TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning
- LIOL-A: >10 cd
- LIOL-B: >32 cd
- Peak intensity: @5°
- Horizontal beam radiation 360°
- Vertical beam spread >10°
- PMMA lens

MECHANICAL FEATURES

- PMMA dome and lens
- Anodised aluminium body
- EPDM gasket
- SS304 Beacon support bracket
- Degree of protection: IP66
- Operating temperature: -20°C to +60°C
- Dimension (Øxh): 68x60mm
- Lamp unit weight: 260gr

ELECTRICAL FEATURES

- Nominal input voltage: 9 - 60 VDC
- Power consumption: 0,8W (Type A) @12/24Vdc
- Power consumption: 3,1W (Type B) @12/24Vdc
- LED feded at costant current

APPLY TO

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

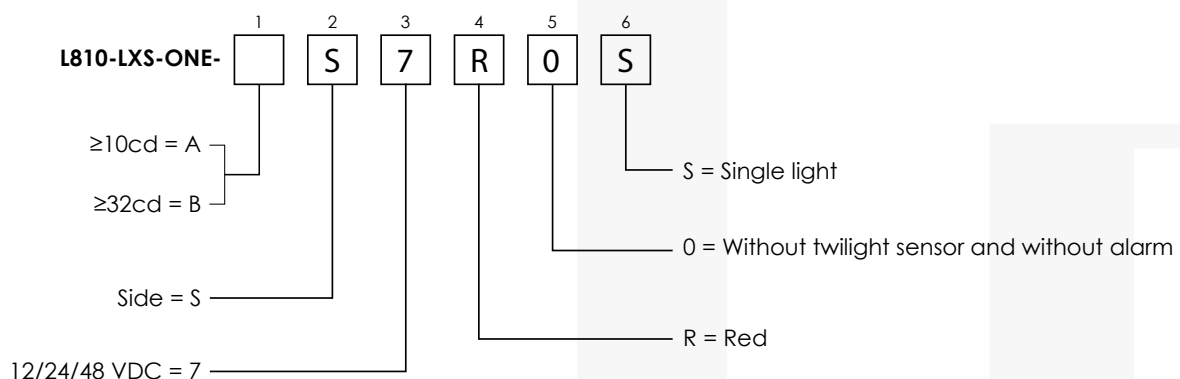
CERTIFICATIONS

- ICAO/EASA test report (EN17025 laboratory) nr. 326-QL20-R01/R02
- CE marking

COMPLIANCE

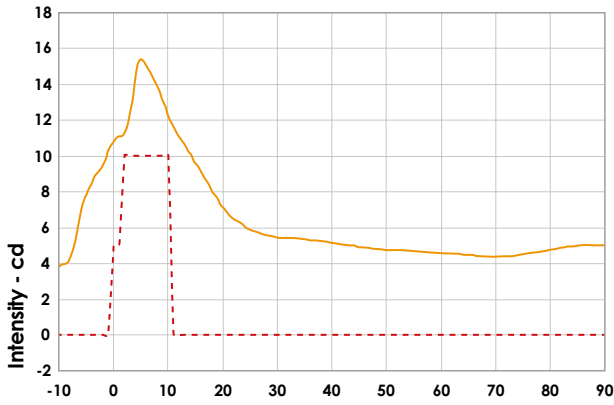
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light
- FAA AC150/5345-43; E.B. #67 type L-810
- EASA CS-ADR-DSN, Chapter Q

ORDER CODE



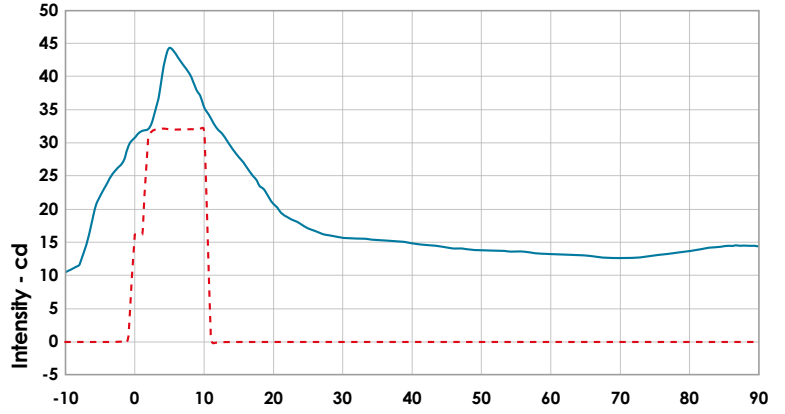
LOW INTENSITY

LXS-ONE-A and LXS-ONE-B TECHNICAL SPECIFICATIONS



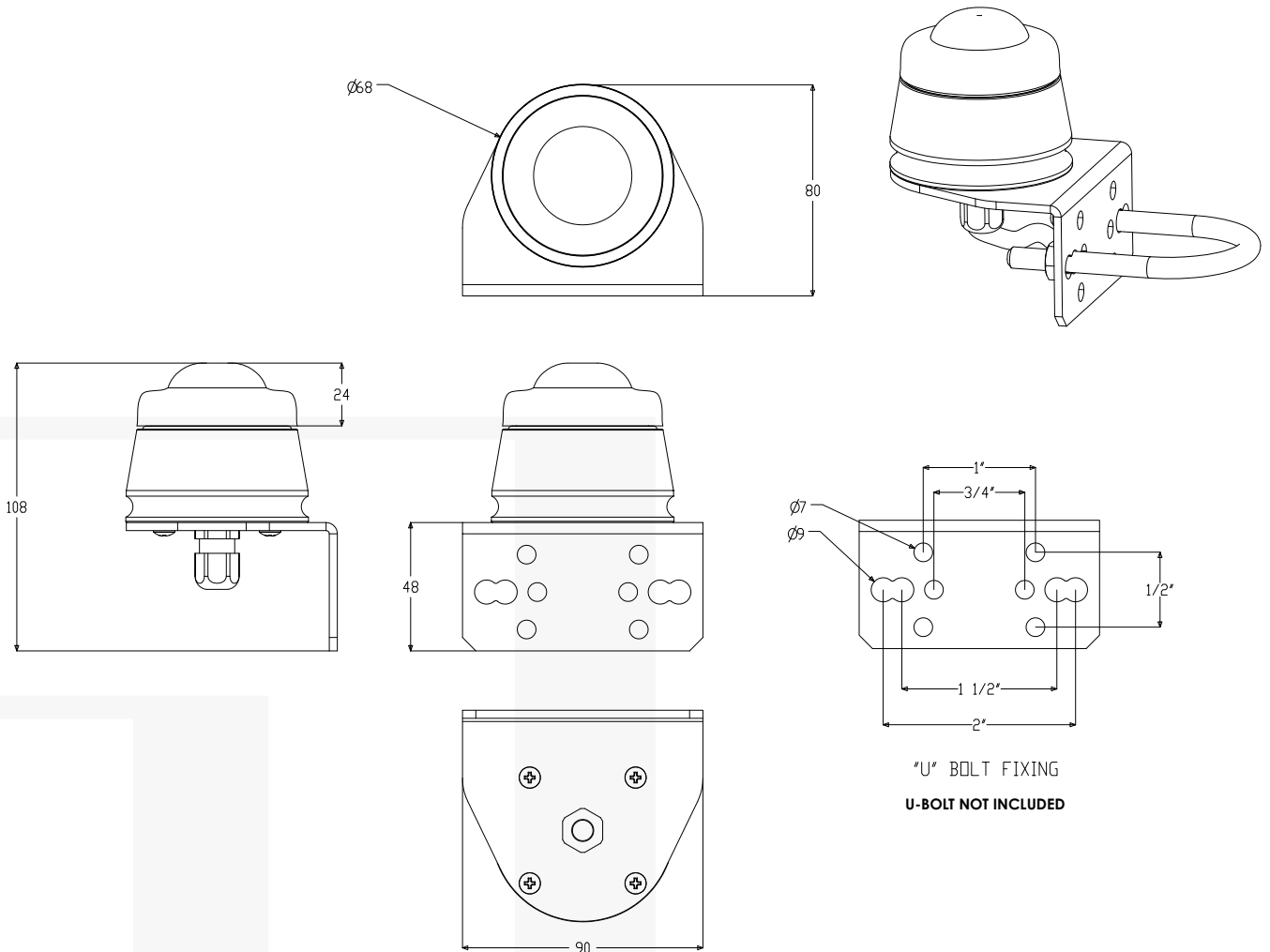
Vertical angle

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



Vertical angle

- L810-LXS-ONE-B average emission level
- - ICAO ANNEX 14 low intensity type B Min Required Intensity



"U" BOLT FIXING
U-BOLT NOT INCLUDED