

LOW INTENSITY LXS-ONE

TECHNICAL SPECIFICATIONS



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

- LXS-ONE has been designed to be easily installable. it is more compact and equipped with an adaptable mount bracket. A balance of optics, electronics and mechanics has allowed us to make an affordable and convenient device.
- LXS-ONE-A / LXS-ONE-B beacon has a red steady burning light with an omnidirectional light beam, able to ensure a vertical beam spread of 10°, according to ICAO Annex 14.

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Stabilised light output:
LIOL-A: >10cd
LIOL-B: >32cd



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, LIOL-A/B LXS-ONE product is your best choice for an efficient, long life and reliable Aircraft Warning Obstacle Light.

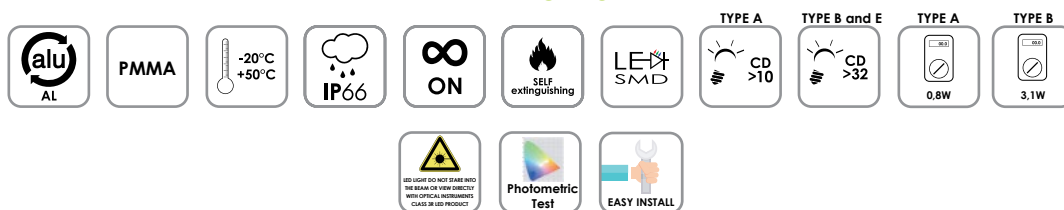
CERTIFICATION



COMPLIANCE



FEATURES



TYPICAL APPLICATION



LOW INTENSITY LXS-ONE

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 feeded at constant 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

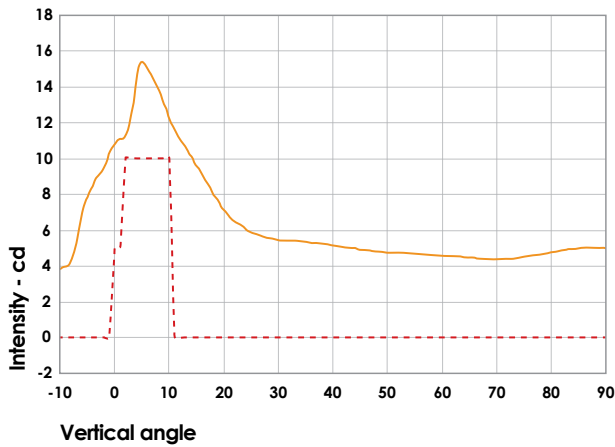
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light
- FAA AC150/5345-43; E.B. #67 type L-810
- EASA CS-ADR-DSN, Chapter Q

ORDER CODE

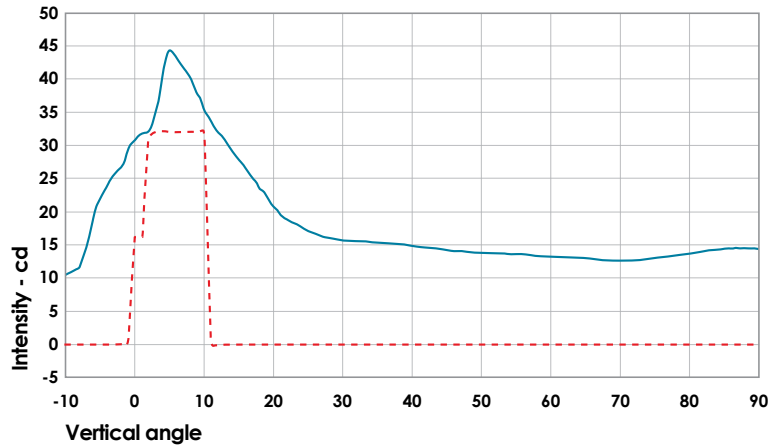
Lamp Code	Lamp type	Mounting type	Power supply	Color	Accessories	Single or twin
L810-LXS-ONE	A	S	7	R	0	S
	A = >10cd B = >32cd	S = Side	7 = 12/24/48 VDC	R = Red	0 = Without twilight sensor and without alarm	S = Single Light

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TECHNICAL GRAPHIC AND DRAWINGS



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



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

