



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 offshore platforms, refinery, chimney, flares 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 Ex** and $\geq 32\text{cd}$ for **Type B Ex**.

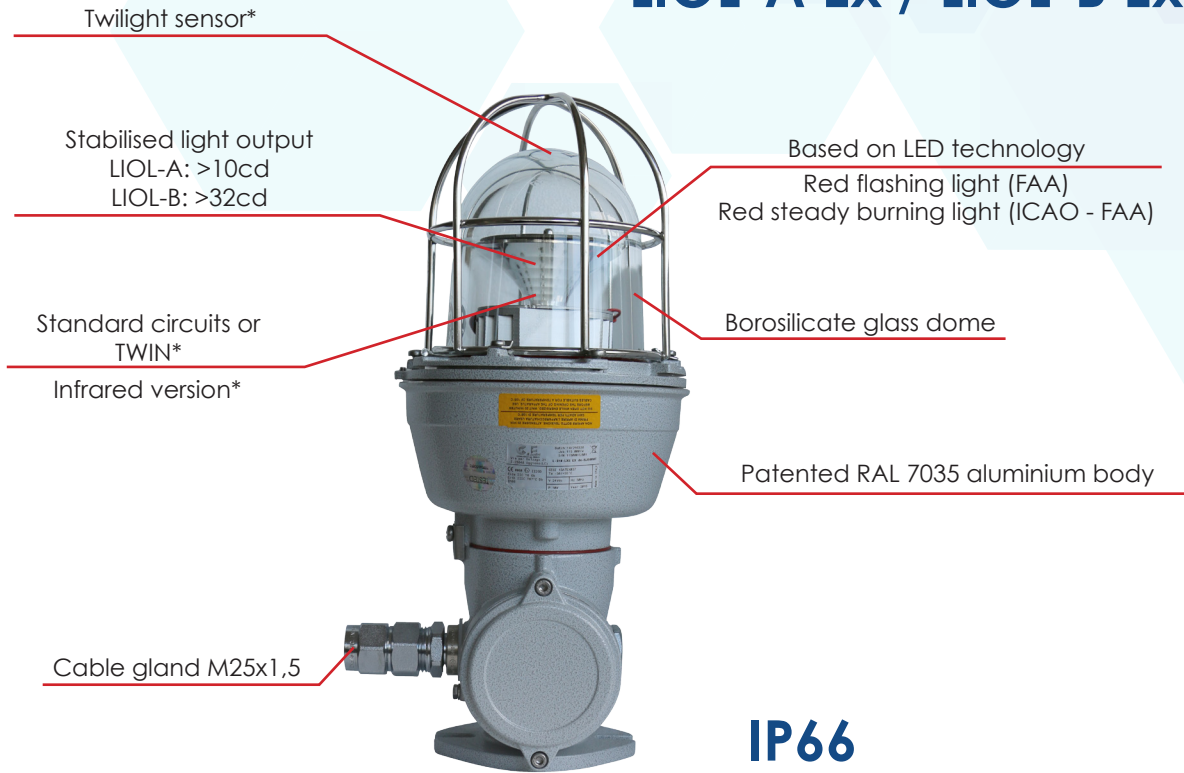
Low intensity obstacle lights, **Type A Ex** can be used alone.

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



LOW INTENSITY

LIOL-A Ex / LIOL-B Ex



* in option

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

This beacon has been designed for hazardous areas with Ex d IIC e Ex tb protection and is compliant to EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-31 regulations.

These Aircraft Warning Lights are suitable for the installation in hazardous areas (Zone 1, 2, 21 e 22) where there are flammable and explosive vapours, gas or dust and can be used both inside and outside.

This LED device is the ideal solution for an **efficient, light and compact** obstacle signalling, able to guarantee a **product life exceeding ten years**, along with a **reduced power consumption**.

LIOL-A Ex/ LIOL-B Ex 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.

CERTIFICATIONS



COMPLIANCE



FEATURES



APPLICATION



LOW INTENSITY

LIOL-A Ex and LIOL-B Ex TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning (ICAO - FAA)
- RED light - Flashing (FAA)
- LIOL-A Ex: >10 cd
- LIOL-B Ex: >32 cd
- Cd emission: +6° e +10°
- Horizontal beam radiation: 360°
- Vertical beam spread: >10°
- Optical reflector
- ATEX execution: Ex II 2GD Ex de IIC T6 Gb
Ex tb IIIC T67°C Db IP66

TWIN OPTION

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

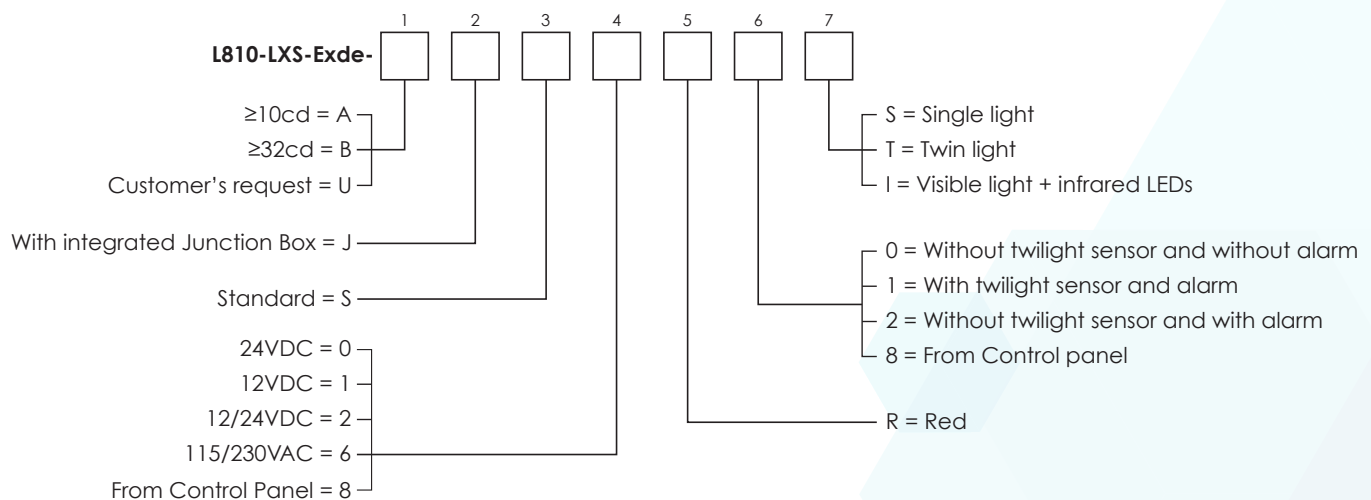
INFRARED OPTION

- IR Wavelength - 850nm

ELECTRICAL FEATURES

- Power supply AC or DC
- Power consumption LIOL-B Ex: 4W (for DC)
- LED feeded at constant current

ORDER CODE



MECHANICAL FEATURES

- Painted RAL 7035 aluminium body
- Borosilicate glass dome
- Degree of protection: IP66
- Operation temperature: -50°C to +55°C
- Storage temperature: -50°C to +60°C
- Lamp unit weight: 6kg

APPLY TO

- Stack - Chimney - Tower crane
- Offshore Platform
- Chemical and petrochemical plant

CERTIFICATION

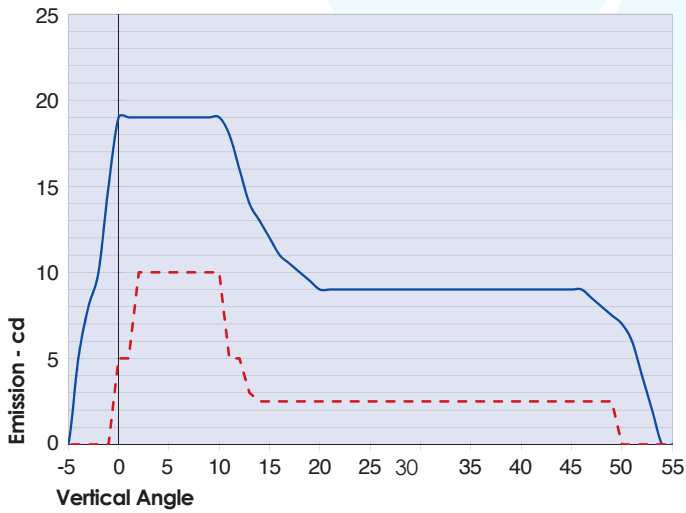
- ATEX certificate no. CESI 13ATEX037
- DGAC/STAC approval nr. 2013A048
- ENAC approvazione nr. 0135182/ENAC/CIA
- ASD 404 certificate no. ASD404/CERT/023/2017
- CE marking

COMPLIANCE

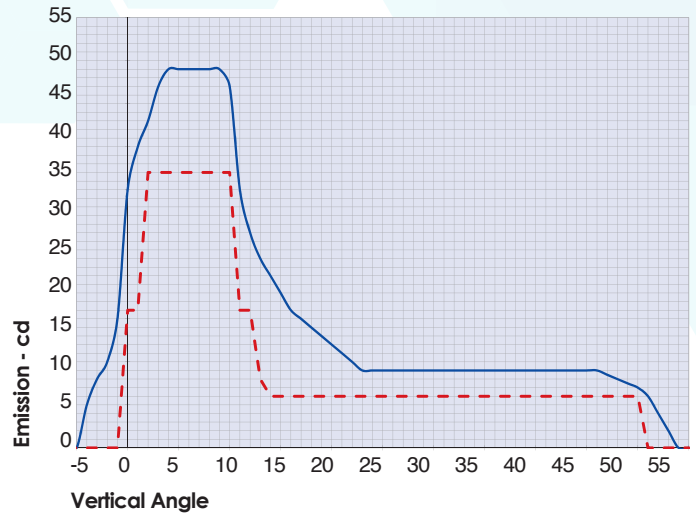
- ICAO Aerodromes -Annex 14 Volume 1, Chapter 6: Low intensity, Type A-B steady burning obstacle light
- FAA AC150/5345-43F E.B. #67 type L-810
- Licensing of aerodromes - CAP168 - Chapter 4
- Airport Standard Directive - Malaysian Regulation [ASD404]

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LIOL-A Ex and LIOL-B Ex TECHNICAL SPECIFICATIONS



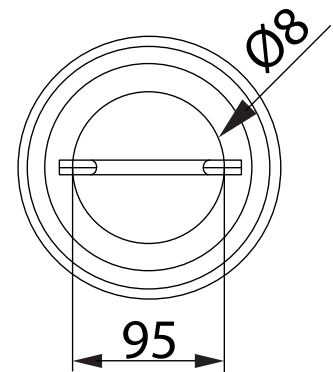
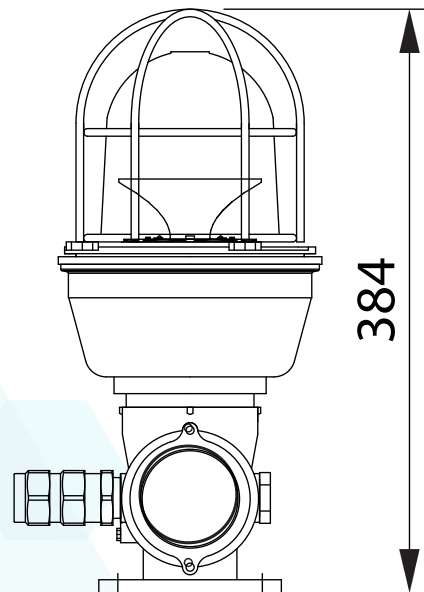
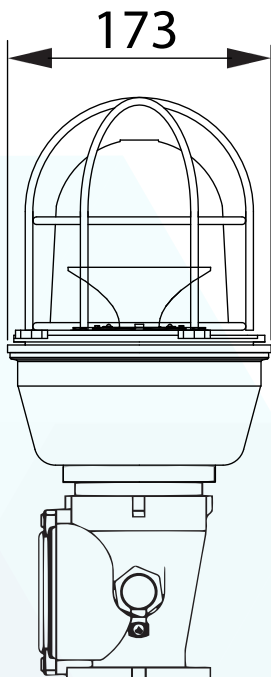
— L810-LXS-A Exde average emission level
- - ICAO ANNEX 14 low intensity type A Minimum Required Intensity



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

SIDE VIEW

FRONT VIEW



FIXING DIMENSIONS