

SOLAR LOW INTENSITY

LOW INTENSITY OBSTRUCTION LIGHT SOLAR POWERED



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 >10cd, red steady burning);**
- **LIOL Type B (intensity >32cd, red steady burning);**
- **LIOL Type E (intensity >32cd, red flashing).**



SOLAR LOW INTENSITY

SOLAR POWERED LIOL-A, LIOL-B AND LIOL-E LOW INTENSITY OBSTRUCTION LIGHT



*as option

IP66

PATENTED

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

Product LUXSOLAR L810-LXS-SOL is the **most up-to-dated and technologically advanced solar low intensity obstacle light**; it is built with high quality materials such as the **composite polymer body, low weight** and **resistant to harsh climatic conditions**; **ultra bright LEDs** and **optical reflector** that guarantee high optical performances in compliance with ICAO/EASA and FAA standards; **high efficiency monocrystalline solar panel** that power supplies the light and accumulates energy in the **integrated Lithium battery** for **high long autonomy and extremely low power consumption**.

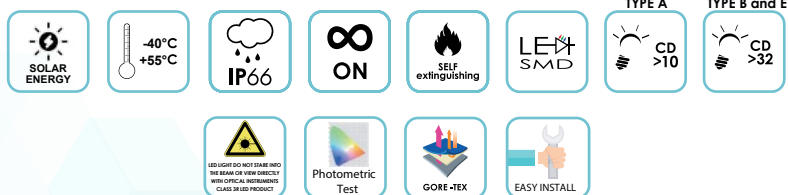
CERTIFICATION



COMPLIANCE



FEATURES



TYPICAL APPLICATION



SOLAR LOW INTENSITY

SOLAR POWERED LIOL-A, LIOL-B AND LIOL-E TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning
- RED light - Flashing
- 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

MECHANICAL FEATURES

- Composite polymer body
- Degree of protection: IP66 / IP68
- Operating temperature: -40°C / +55°C
- Mounting: 4 hole 200mm bolt pattern
- Weight: 1,5kg

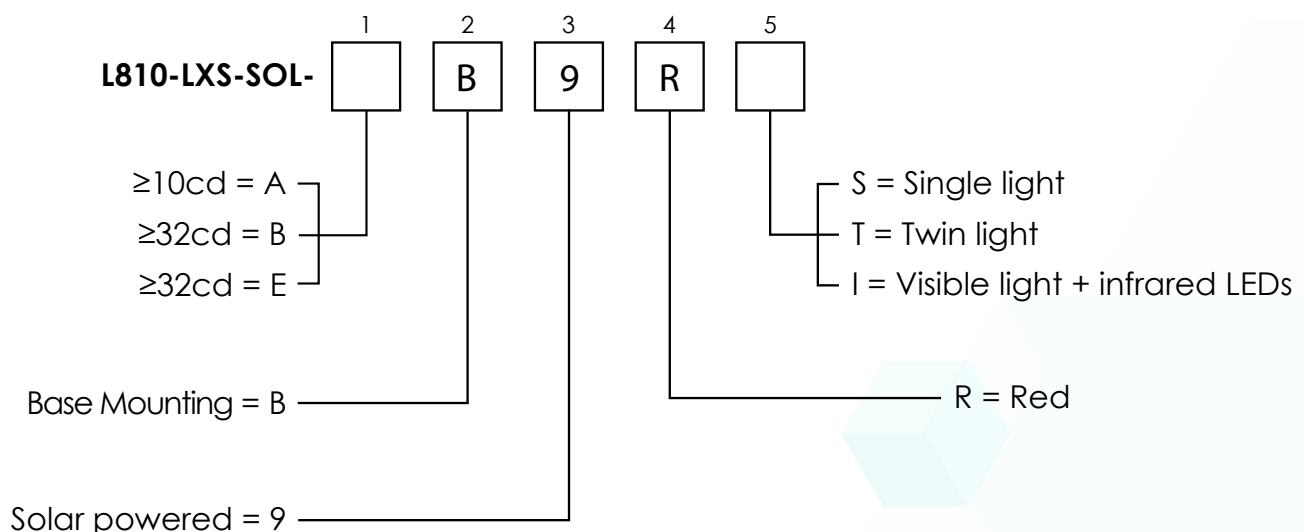
ELECTRICAL FEATURES

- Integrated circuit protection
- Operating voltage: 6Vdc

SOLAR SYSTEM

- Lithium battery
- Monocrystalline high efficiency solar module
- Charging regulation: MPPT (Maximum Power Point Tracking)
- Solar cell works as twilight sensor
- Output: 1x4W
- Autonomy up to 48h

ORDER CODE



OPTIONS

- Twin version: two separate LED circuits in the same fixture (normal + stand-by)
- Automatic changeover from normal to stand-by LED circuits
- External battery charger (4h recharging time)
- IR wavelength - 850nm, compatible with pilot's NVG

APPLY TO

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

CERTIFICATIONS

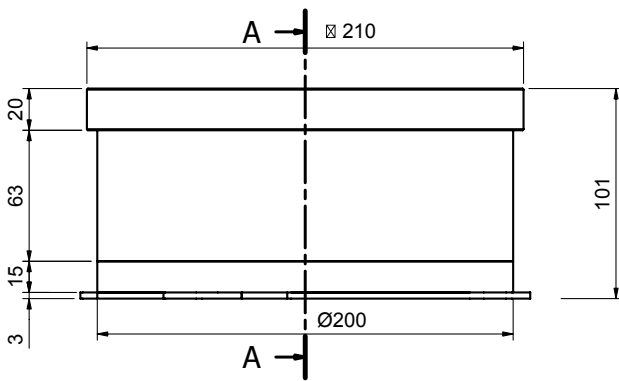
- EASA test report (EN17025 laboratory) nr. 326-QL20-R03/R04
- CE marking

COMPLIANCE

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

SOLAR LOW INTENSITY

SOLAR POWERED LIOL-A, LIOL-B AND LIOL-E TECHNICAL SPECIFICATIONS



SEZ: A-A

