

## LXS SOLAR POWERED LOW INTENSITY OBSTRUCTION LIGHT



SOLAR ENERGY



Low Intensity Obstruction Lights (LIOL) indicate the presence of elevated structures to aircrafts. **As per ICAO Annex 14, these lights are used on: chimneys, cranes, telecom towers, buildings and other structures up to 45m height.**

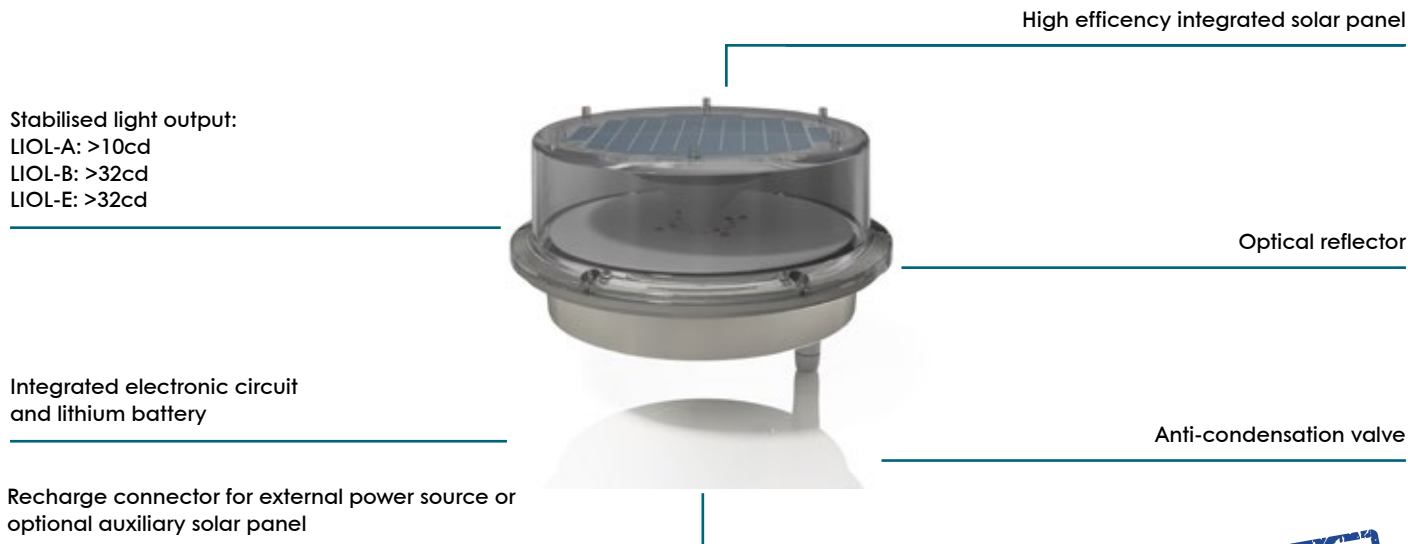
Low Intensity Obstruction Lights have the following characteristics and uses:

- 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

## LXS SOLAR POWERED LOW INTENSITY OBSTRUCTION LIGHT



IP66



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

Product LUXSOLAR L810-LXS-SOL is an advanced solar low intensity obstacle light. Made with high quality materials, this product is low weight and resistant to harsh climatic conditions. The light is provided with an integrated solar panel and Lithium battery for long autonomy and optical reflector to guarantee compliance with ICAO/EASA and FAA standards.

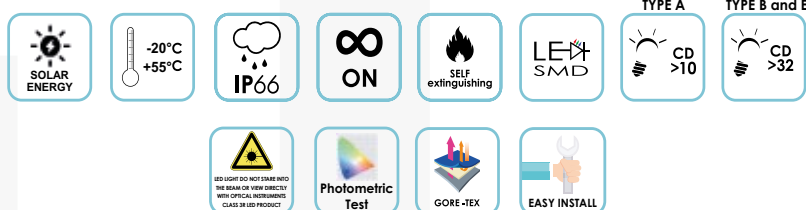
### CERTIFICATION



### COMPLIANCE



### FEATURES



### TYPICAL APPLICATION



# SOLAR LOW INTENSITY

## LXS SOLAR POWERED LIOL 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

- Body: polyamide
- Cover: polycarbonate UV stabilized high resistance
- Degree of protection: IP66
- Operating temperature: -20°C / +55°C
- Mounting: 4 hole 200mm bolt pattern
- Weight: 1,5kg
- Switch ON/OFF with magnetic sensor

### ELECTRICAL FEATURES

- Integrated circuit protection
- Recharge connector for external power source

### SOLAR SYSTEM

- Lithium battery
- Monocrystalline high efficiency solar module
- Charging regulation: MPPT (Maximum Power Point Tracking)
- Solar cell works as twilight sensor
- LIOL-A/B Autonomy approx:
  - 75h, steady burning mode (\*)
  - 800h, flashing mode @ 20 fpm (\*)

### OPTIONS

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

### APPLY TO

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

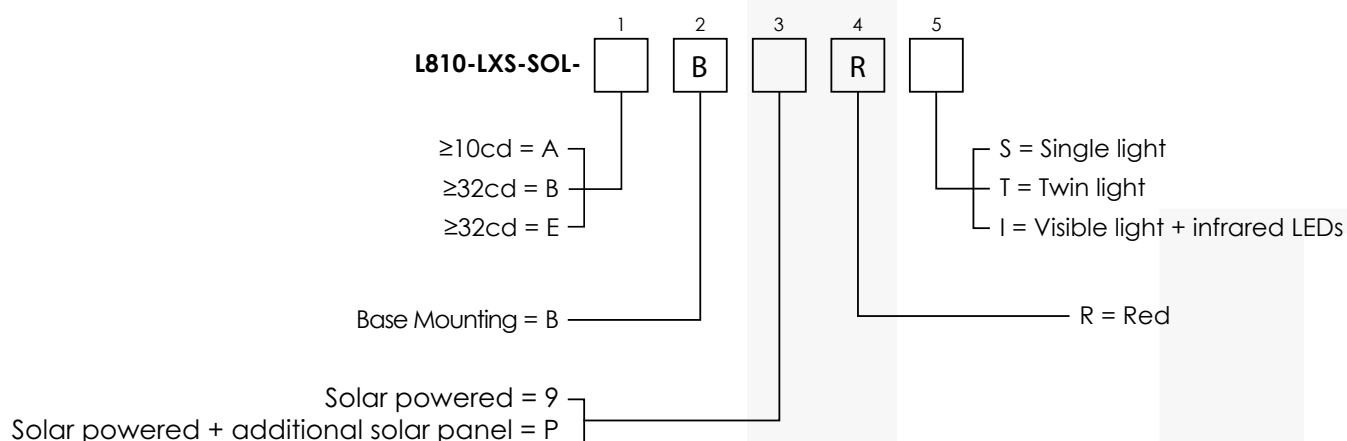
### CERTIFICATIONS

- 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

### ORDER CODE

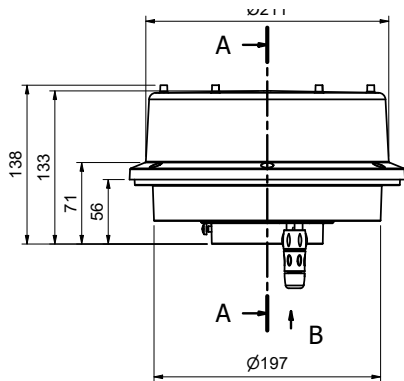


(\*)Autonomy depends upon light settings, installation location and weather conditions  
Automatic regulation of luminous intensity in function of the status of the battery

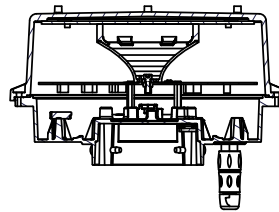
# SOLAR LOW INTENSITY

## LXS SOLAR POWERED LIOL TECHNICAL DRAWINGS

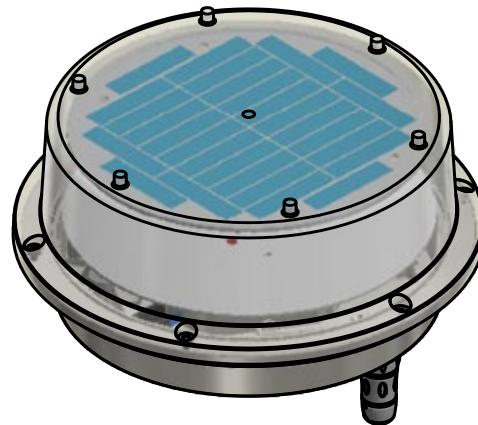
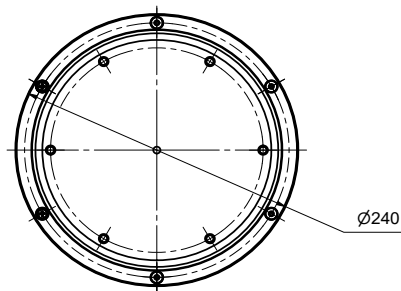
**SIDE VIEW**



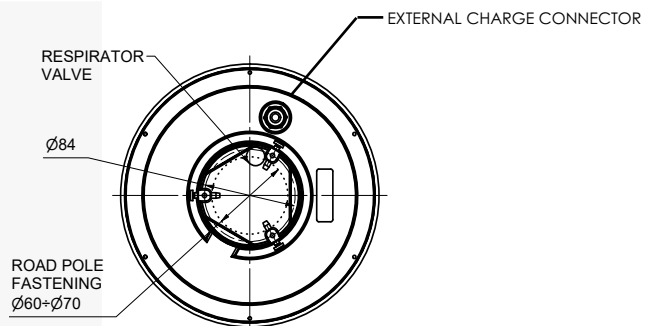
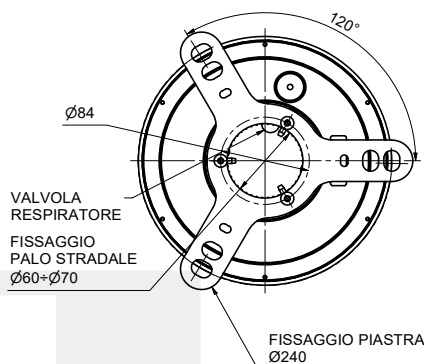
SEZ: A-A



**TOP VIEW**

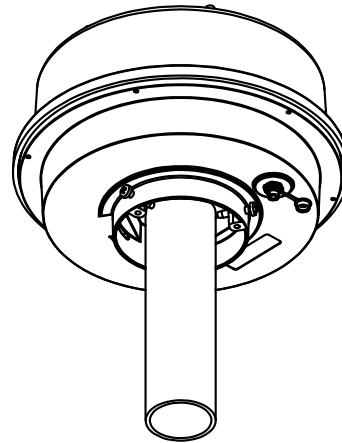
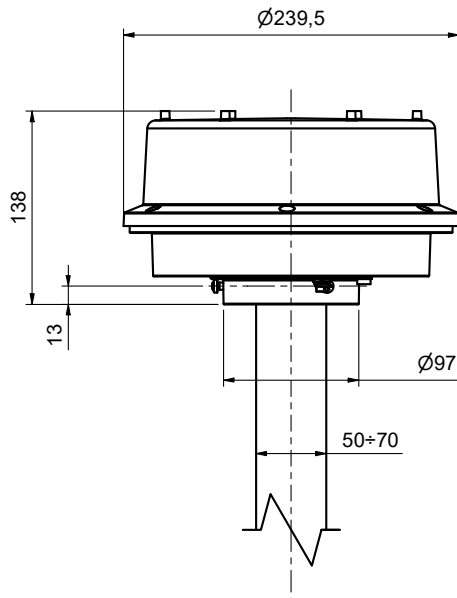


**BOTTOM VIEW**

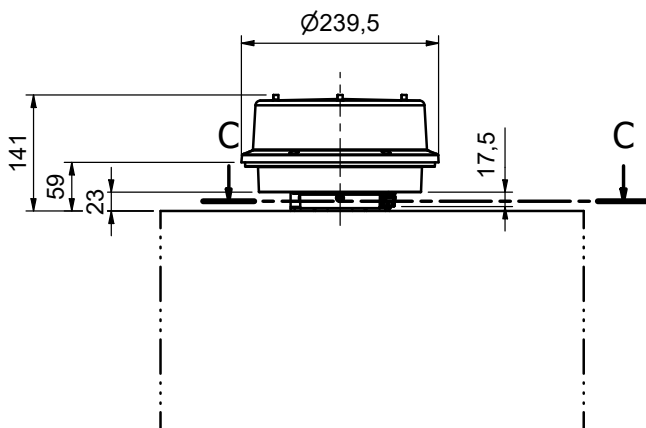


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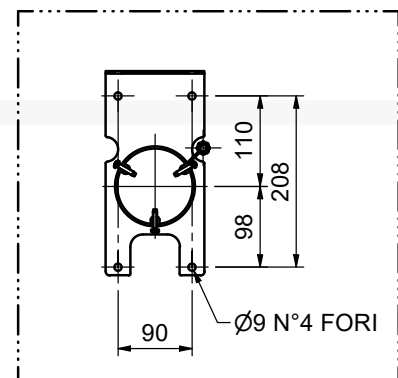
## LXS SOLAR POWERED INSTALLATIONS



**Pole Installation:** No extra support required. Permitted pole size: 50-70 mm.



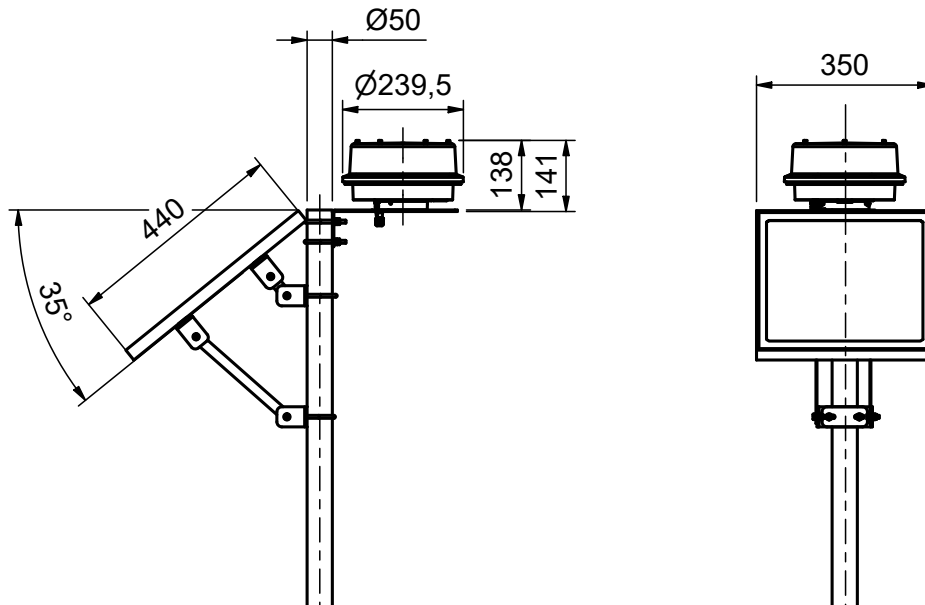
SEZ: C-C



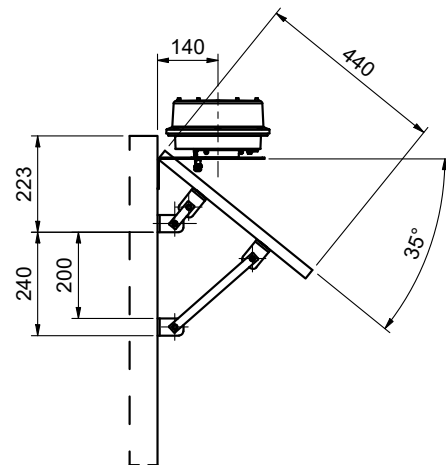
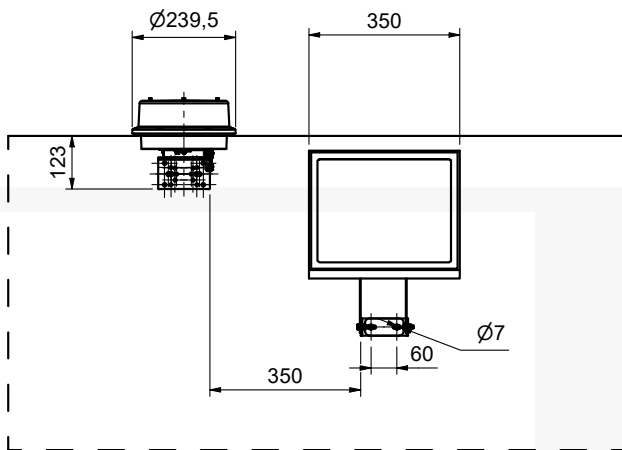
**Surface/Wall Installation:** Light support plate. Code: MAR-12C-0016-R3 (required).

# SOLAR LOW INTENSITY

## LXS SOLAR POWERED INSTALLATIONS



**Pole Installation:** Light support plate (optional) Cod. MAR-12C-0016-R3.  
Additional panel 10Wp-2p + panel support (optional, upon request)



**Surface/Wall Installation:** Light support plate Cod. MAR-12C-0016-R3.  
Additional panel 10Wp-2p + panel support (optional, upon request)