

## LOW INTENSITY OBSTRUCTION LIGHT L810-LXS-KIT



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)** can be used alone;
- LIOL, **Type B (intensity >32cd, 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;



# AIRCRAFT WARNING LIGHTS

## LIOL-A / LIOL-B / KIT LOW INTENSITY OBSTRUCTION LIGHT

Polycarbonate UV resistant dome

- ▶ Standard circuits or TWIN\*
- ▶ Infrared version\*

Anti-condensation Gore-Tex valve

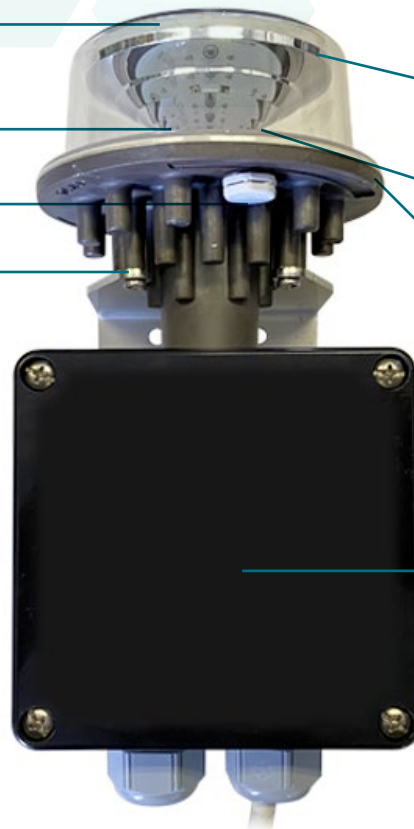
Anodised aluminium body with heat-sink pins

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

Based on LED technology  
Red steady burning light

Polyurethane foam

GRP UV resistant box for  
electronic circuit



IP66



\*as option

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

**L810-LXS-KIT** product has been specifically studied for telecommunication towers. The solution has been designed to be as compact as possible and with several features required by the most important telecommunication companies.

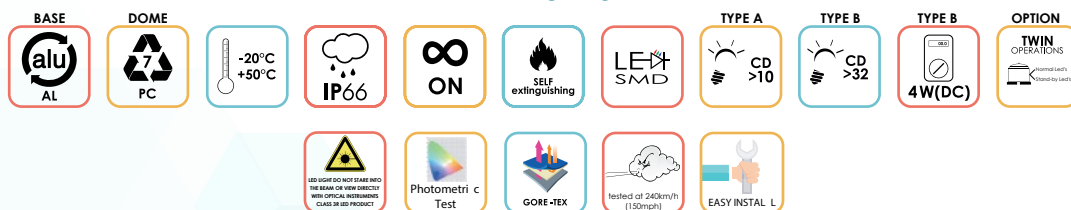
### CERTIFICATION



### COMPLIANCE



### FEATURES



### TYPICAL APPLICATION



# AIRCRAFT WARNING LIGHTS

## LIOL-A / LIOL-B / KIT TECHNICAL SPECIFICATIONS

### OPTICAL FEATURES

- Based on LED technology  
RED light - Steady Burning  
LIOL-A: >10 cd  
LIOL-B: >32 cd
- Cd emission +6° and +10°
- Horizontal beam radiation 360°
- Vertical beam spread >10°
- Optical reflector

### LIGHT MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins for maximum heat dissipation
- Polycarbonate UV resistant dome
- Terminal JB for connection in Glass Reinforced Polyester (GRP), black colour
- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)
- Degree of protection: IP66
- Operating temperature: -20°C to +50°C

### BOX MECHANICAL FEATURES

- Enclosure material: Carbon Steel material, RAL7035
- **Internal power ON LED fault alarm remotization via dry contact**
- **Internal fault LED for normal and emergency beacon**
- **Internal functionality test button**
- **General system fault dry contact**
- **External twilight sensor**
- **Overvoltage protection twilight sensor fault alarm and dry contact**
- Degree of protection: IP65
- Operating temperature: - 20°C /+ 50°C

### ELECTRICAL FEATURES

- Power supply 115/230Vac or 48Vdc
- LED feeded at constant current

### APPLY TO

- Radio towers
- Telecommunication towers

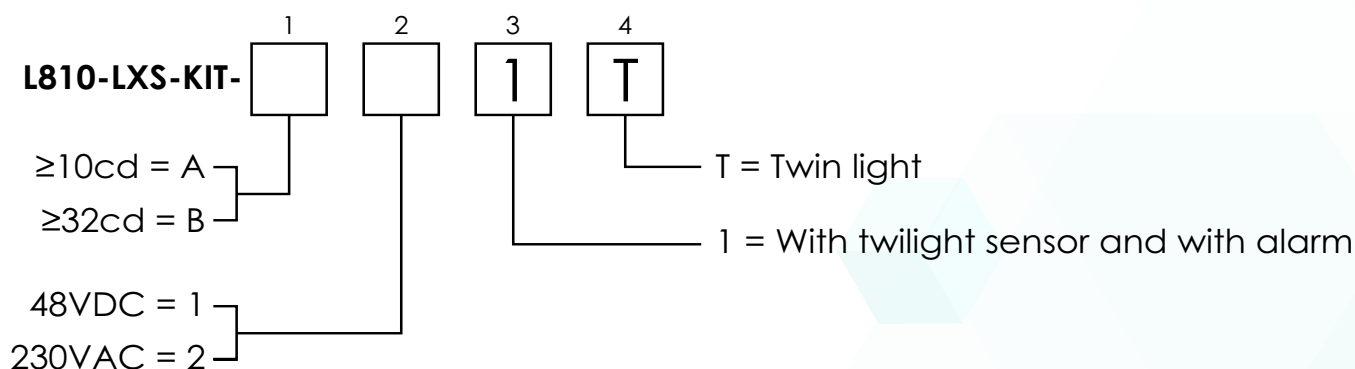
### CERTIFICATIONS

- DGAC/STAC approval nr. 2013A048
- ENAC approval nr. 0135182/ENAC/CIA
- 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
- FAA AC150/5345-43; E.B. #67 type L-810
- EASA CS-ADR-DSN, Chapter Q

### ORDER CODE



# AIRCRAFT WARNING LIGHTS

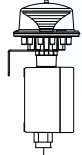
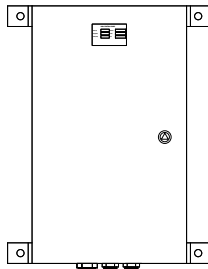
## LIOL-A / LIOL-B / CLP TECHNICAL DRAWING

TWIN

TWILIGHT  
SENSOR BOX



CLP



INCOMING POWER SUPPLY  
(BY OTHER)

TWILIGHT SENSOR CABLE  
2x1,5sqmm (BY OTHERS)

LIOL-B POWER SUPPLY CABLE  
5G1.5sqmm (BY OTHER)