

# LOW INTENSITY

## LOW INTENSITY OBSTRUCTION LIGHT CAP168 - GROUP B



As specified by **UK CAP168 "Licensing of Aerodromes"** regulation, **Low Intensity Obstruction Lights (LIOL) should be used to warn the presence of obstacles up to 45m height**, such as telecommunication antennas, chimneys, cranes, buildings and other structures.

Low Intensity Obstruction Lights are the simplest devices according to CAP168 standards and they have the following characteristics and uses:

- **LIOL Group A (intensity >10cd, red steady burning)** have to be used to light obstacles on the aerodrome movement area or when LIOL Group B may cause dazzle;
- **LIOL Group B (intensity >200cd, red steady burning)** have to be used have to be used on obstacles located away from the movement area or on the movement area with high levels of background illuminance.



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## LIOL GROUP B LOW INTENSITY OBSTRUCTION LIGHT

Polycarbonate UV resistant dome

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

Anti-condensation Gore-Tex valve

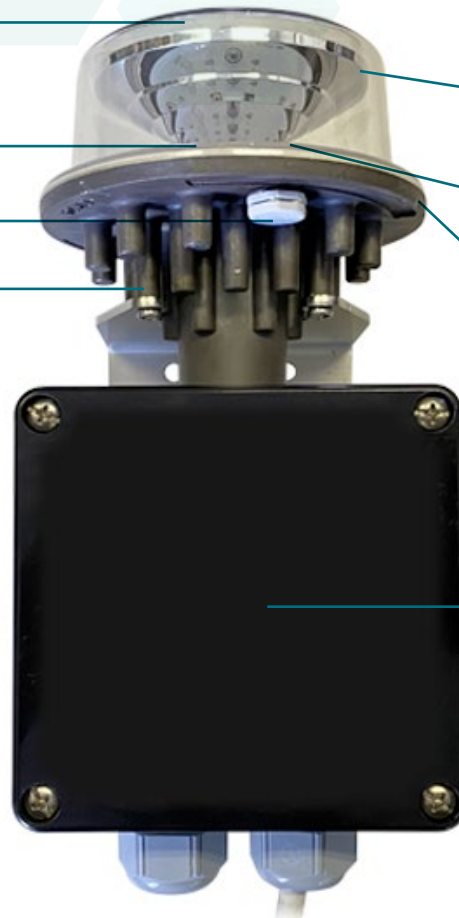
Anodised aluminium body with heat-sink pins

Stabilised light output:  
Group B: >200cd

Based on LED technology  
Red steady burning light

Polyurethane foam

GRP UV resistant box for  
electronic circuit



### IP66



\*as option

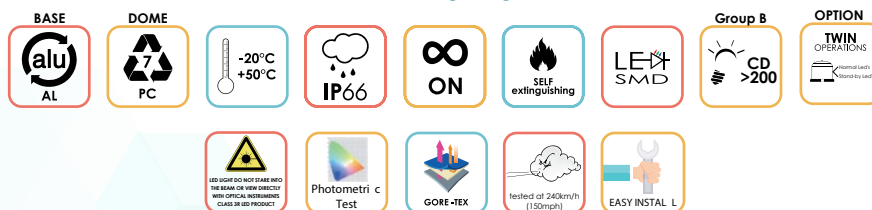
LUXSOLAR L810-LXS-CAP168 Low Intensity Obstruction Light is fully compliant to **CAP168 (Low Intensity - Group B)**.

With a **low-weight** and **compact body**, high quality and **ultra-bright LEDs**, **optical reflector for an optimum beam spread**, LUXSOLAR LIOL GROUP B product **is your best choice for an efficient, long life and reliable Aircraft Warning Obstacle Light**.

### CERTIFICATION



### FEATURES



### TYPICAL APPLICATION



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## LIOL GROUP B TECHNICAL SPECIFICATIONS

### OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning
- LIOL Group B: >200 cd
- Horizontal beam radiation: 360°
- Vertical beam spread: from +5° to +8°
- Optical reflector

### MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins for maximum heat dissipation
- Polycarbonate UV resistant dome
- Polyurethane foam
- Terminal JB for connection in Glass Reinforced Polyester (GRP), black colour
- Degree of protection: IP66
- Operating temperature: -20°C to +50°C
- Lamp unit weight 1,8 Kg
- Anticondensation Goretex valve
- SS304 beacon support bracket

### ELECTRICAL FEATURES

- Power supply AC or DC
- Power consumption: 4,5W @12/24Vdc
- LED feded at costant current

### OPTIONS

- TWIN version: two separate LED circuits in the same fixture (normal + stand-by)
- Automatic changeover from normal to backup light
- Fault alarm
- IR Wavelength - 850nm, compatible with pilot's NVG
- LUXSOLAR Cloud Monitoring System - Low Impact

### APPLY TO

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

### CERTIFICATIONS

- CAP168 test report (EN17025 laboratory) nr.1044-QL18-R04
- CE marking

### COMPLIANCE

- CAP168 Licensing of Aerodromes, Ch. 4: The Assessment and Treatment of Obstacles
- CAP437 Standards for offshore helicopter landing areas, Ch. 4: Visual Aids

### ORDER CODE

LXS ORDERING CODE	[B] = Group B >200cd Steady Burning	JB GRP	115Vac	230Vac	12Vdc	24Vdc	48Vdc	TWIN	"INFRA RED"	SS304 SUPPORT	"FAULT CONTACT"	"AUTO SWITCH"	"TWILIGHT SENSOR"	*READY for CLOUD
L810-LXS-CAP168-BGS6R0S	•	•	•	•						•				

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## LIOL GROUP B TECHNICAL DRAWING

