LOW INTENSITY

LOW INTENSITY OBSTRUCTION LIGHT CAP168 - GROUP A

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.

LXS® LUXSOLAR®

rev_
201204

LOW INTENSITY

LIOL GROUP A
LOW INTENSITY OBSTRUCTION LIGHT

Policarbonate UV resistant dome

- Standard circuits or TWIN*
- Infrared version*

Anti-condensation Gore-Tex valve

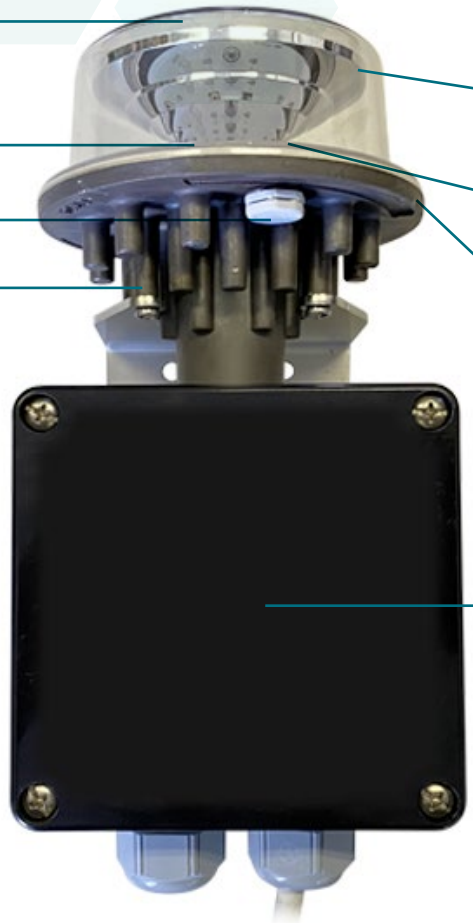
Anodised aluminium body with heat-sink pins

Stabilised light output:
Group A: >10cd

Based on LED technology
Red steady burning light

Polyurethane foam

GRP UV resistant box for electronic circuit



IP66

PATENTED

***as option**

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

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

CERTIFICATION

CE CAP168

FEATURES

BASE alu AL · DOME 7 PC · -20°C +50°C · IP66 · ON · SELF extinguishing · LED SMD · Group A CD >10 · OPTION TWIN OPERATIONS

LED LIGHT DO NOT STARE INTO THE BEAM OR VIEW DIRECTLY WITH OPTICAL INSTRUMENTS CLASS 3B LED PRODUCT · Photometric Test · GORE-TEX · tested at 240km/h (150mph) · EASY INSTAL L

TYPICAL APPLICATION

lxs@luxsolar.com - www.luxsolar.com - Ph. +39.0341.260926 - **Combustion and Energy SRL**

LOW INTENSITY

LIOL GROUP A
TECHNICAL SPECIFICATIONS

OPTICAL FEATURES

- Based on LED technology
- RED light - Steady Burning
- LIOL Group A: >10 cd
- Horizontal beam radiation: 360°
- Vertical beam spread: from 0° to 30°
- Optical reflector

MECHANICAL FEATURES

- Anodised aluminium body with heat-sink pins for maximum heat dissipation
- Policarbonate 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: 2W @12/24Vdc
- LED feeded 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-R03
- 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

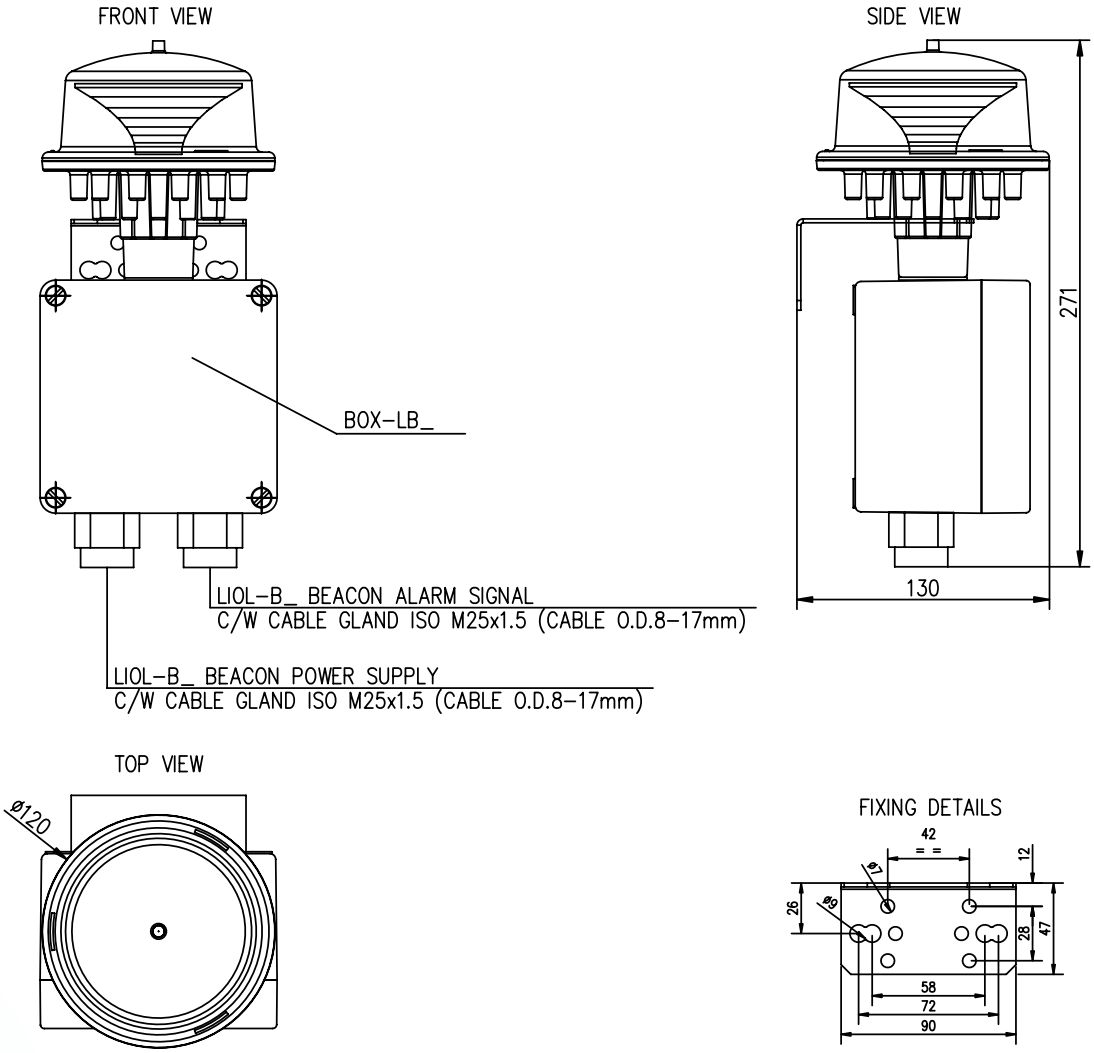
LXS ORDERING CODE	[A] = Group A >10cd Steady Burning	JB GRP	115Vac	230Vac	12Vdc	24Vdc	48Vdc	TWIN	"INFRA RED"	SS304 SUPPORT	"FAULT CONTACT"	"AUTO SWITCH"	"TWILIGHT SENSOR"	*READY for CLOUD
L810-LXS-CAP168-AGS6R0S	•	•	•	•						•				
L810-LXS-CAP168-AGS2R1T	•	•			•	•		•		•	•	•	•	•
L810-LXS-CAP168-AGS2R2T	•	•			•	•		•		•	•	•		•
L810-LXS-CAP168-AGS2R1I	•	•			•	•			•	•	•		•	•
L810-LXS-CAP168-AGS6R1T	•	•	•	•				•		•	•	•	•	•
L810-LXS-CAP168-AGS6R2T	•	•	•	•				•		•	•	•		•
L810-LXS-CAP168-AGS6R1I	•	•	•	•					•	•	•		•	•
L810-LXS-CAP168-AGS7R1T	•	•					•	•		•	•	•	•	•
L810-LXS-CAP168-AGS7R2T	•	•					•	•		•	•	•		•

*Please specify "CLOUD" at the end of the code to add an innovative monitoring technology, specifically designed to receive and upload data on customer dedicated LUXSOLAR Web Dashboard. Through this system you will be able to monitor the status of the system, receive real-time reports and diagnostic.

rev_
201204

LOW INTENSITY

LIOL GROUP A
TECHNICAL DRAWING



lxs@luxsolar.com - www.luxsolar.com - Ph. +39.0341.260926 - **Combustion and Energy SRL**