



LS810A

Low intensity LED
obstruction light (Red)
Group - A

Compliant to Latest
International Standards

- ▶ CAP168
- ▶ CAP437 - Offshore Helicopter landing areas
- ▶ CE Markings

Applications

Low Intensity Obstruction Lights (LIOL) that should be used to warn the presence of obstacles up to 45 mts high

LS810A

Low Intensity LED obstruction light solutions (Red)



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 on obstacles located away from the movement area or on the movement area with high levels of background illuminance.

Features

With a low-weight and compact body, high quality and ultra-bright LEDs, optical reflector for an optimum beam spread, the LS810 LIOL GROUP A product is your best choice for an efficient, long life and reliable Aircraft Warning Obstacle Light.

Ordering Codes: **LS** **810168AGS** **X** **X** **X** **X**

●●●●●	Supply voltage					Twin unit	Infrared NGV	Fault Contact	Auto switch	Twilight sensor	Ready for cloud
	115VAC	230VAC	12VDC	24VDC	48VDC						
6R0S	x	x									
2R1T			x	x		x		x	x	x	x
2R2T			x	x		x		x	x		x
2R1I			x	x			x	x		x	x
6R1T	x	x				x		x	x	x	x
6R2T	x	x				x		x	x		x
6R1I	x	x					x	x		x	x
7R1T					x	x		x	x	x	x
7R2T					x	x		x	x		x

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Low Intensity LED obstruction light
solutions (Red)



Electrical Performance

- Power supply by either AC or DC:
12/24/48VDC
115/230VAC
- LED feeded at constant current
- Power consumption: 2W @12/24Vdc

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
- Cloud Monitoring System - Low Impact

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
- Lamp unit weight 1,8 Kg
- Anticondensation Goretex valve
- SS304 beacon support bracket

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

Environmental Conditions

- | | |
|--------------------------------------|---|
| ▶ Ambient Temperature -20°C to +50°C | ▶ Atmospheric Altitude up to 10,000 feet (3000m) |
| ▶ Storage Temperature -35°C to +75°C | ▶ Relative Humidity 0-100% (sealed unit) |

Applications

Airports	Radio and television tower
High buildings	Wind Turbines
Chimney	Tower crane
Pipelines	Radars
Bridges	Antennas
Power transmission pylons	Wind / weather measuring stations



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