

MICROLUX LIGHTING

# MICROLUX SPAIN

Low Intensity Aviation LED Light – Type A/B

Red

Model: LI-03-A/B

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## Application Area:

The Microlux L-810 Obstruction Light provides an LED based solution for the FAA L-810 steady burning lights. The light is designed to meet international aerial navigation requirements for obstruction lighting applications. Low Intensity Obstruction Lights are designed for tall structures such as telecommunication tower, ATC tower, chimneys, tall buildings and bridges.

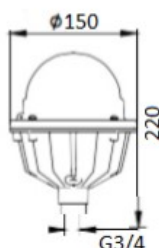
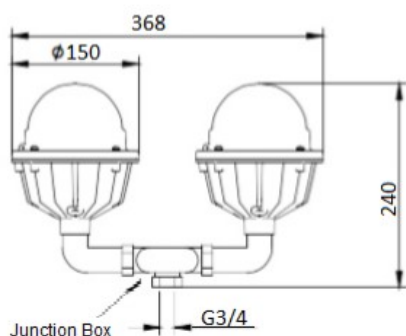
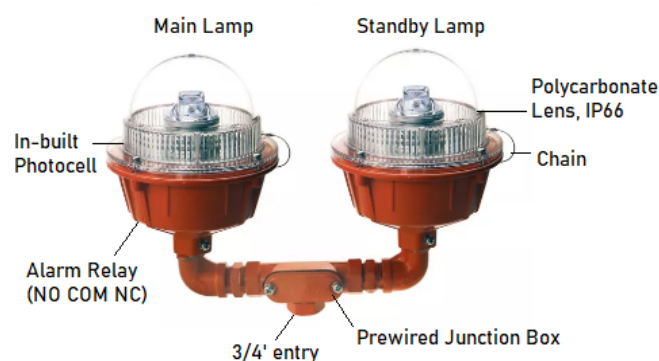


The Low Intensity light is currently available in both single and double configurations operating at a range of 110~240VAC and also in range of 12~48VDC. Both configurations are available as original equipment or as a direct replacement of existing L-810 incandescent lights.

## Features:

- Resistant to shock and vibration
- EMC compliant, No RF-radiations
- Input Voltage: 110~240VAC, 12~48VDC
- Reverse polarity protected (DC type)
- Power Consumption: 3W (Optional: 8W/15W)
- Lens: Premium grade UV stabilized polycarbonate
- Body Material: Die-cast aluminium powder coated in RAL2004 (orange)
- Water proof, Corrosion resistant lamp assembly & housing
- Advantage:
  - DIP Switch for operating mode (steady/flashing) selection (flashing rate 20/40/60/minute adjustment switch)
  - In-built photocell
  - Light failure alarm line (NO NC COM)
  - Wiring compartment (Junction Box) for twin low intensity light
- Optional: Transfer Relay (Main + Standby Lamp), Both LAMPS ON (DBO), Intensity >200CD

### Double (twin) Low Intensity



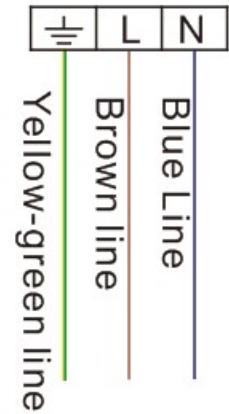
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## Specifications:

Compliance: ICAO FAA Type	ICAO Annex 14 FAA L-810
Power Voltage / Frequency	110-240VAC, 50/60Hz (Optional: 12VDC, 24VDC, 48VDC)
Consumption	3W (Optional: 8W/15W)
Lighting Type	Steady/Flashing (DIP Switch)
Flash Frequency	20 times/minute (adjustable switch)
Effective Intensity Type A Type B	$\geq 10$ candela $\geq 32$ candela (Optional: Up to 200CD)
Horizontal Lighting Angle	$360^{\circ}$
Vertical Lighting Angle	$10^{\circ}$
Lamp Usage Life	Up to 100,000 hrs
Light Source	Cree LED Lamp
Light Emitting Color	Red (Optional: Blue, Yellow, Green, White)
Dimensions : Single Double	H 220mm x W 150mm x L 150mm H 240mm x W 368mm x L 150mm
Protection Grade	IP66
Temperature	$-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$
Anti-Wind	Up to 240kph
Weight : Single Double	1.2 kg 2.5 kg
Optional: Double Low Intensity Light	Transfer Relay, Main with Stand-by (DSB) Both Lamp ON Steady/Flashing (DBO)

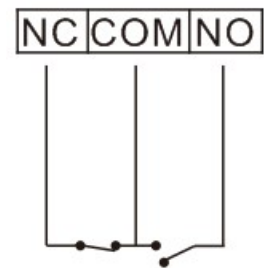
### INPUT WIRING

IN AC220V



### ALARM WIRING

Alarm OUT



### SWITCH

OFF	1 OFF, 2 OFF - Steady
1 2	1 OFF, 2 ON - 20 Flashes
	1 ON, 2 OFF - 40 Flashes
ON	1 ON, 2 ON - 60 Flashes

## Ordering Code:

Series	Style	ICAO Type	Voltage	Option
LI-03	S: Single	A: $\geq 10$ Candela	1: 120VAC	P: In-built Photocell
	D: Double	B: $\geq 32$ Candela	2: 230VAC	A: Alarm Line (NO NC COM)
			3: 12VDC	MB: Baseplate
			4: 24VDC	100: Intensity 100 candela (Lamp 8W)
			5: 48VDC	200: Intensity 200 candela (Lamp 15W)