

OBSTRUCTION & BEACONS

SBOL

Incandescent Steady Burning Obstruction Light



L-810 Single Light

L-810 Dual Light

Compliance with Standards

FAA: L-810 AC 150/5345-43 (Current Edition). ETL Certified.

ICAO: Annex 14, Vol. 1, para. 6.3.11 for use as low-intensity obstacle light.

Uses

FAA L-810 ICAO

Steady-burning red light fixture marking all fixed obstructions to eliminate air navigational hazards.

Features

- All parts are corrosion-resistant
- Optional lamp-out relay switches power to backup lamp if the normally operating lamp fails. Available only on dual 120 VAC fixtures.
- Units with lamp-out relay have an alarm terminal that can activate an alarm (user-supplied) in case of lamp failure
- Mounting Hub - Three optional mounting ports are available for the dual L-810 with the lamp-out relay option:
 - standard bottom port (1 -inch, 11.5 TPI, NPT)
 - side port (1 -inch, 11.5 TPI, NPT)
 - side port (0.75-inch, 14 TPI, NPT)
- Units without lamp-out relay option:
 - standard bottom port (1 -inch, 11.5 TPI, NPT)
- Optional Lamps:
 - 45 W/6.6 A
 - 69 W/120 VAC
- Lamp Life: 120 VAC lamps rated at 8,000 hours, 6.6 A lamps rated at 1,000 hours
- Gasket seal between lens cap and fixture base prevents moisture penetration
- Two spring latches allow fast removal of the red lens cap from the base of the fixture for replacing lamps and lenses, providing easy maintenance
- A safety cable attached to the lens cap permits hands-free, rapid lamp and lens replacement
- Both single and dual units are available for use with either 120 VAC parallel or 6.6 A series lighting circuits

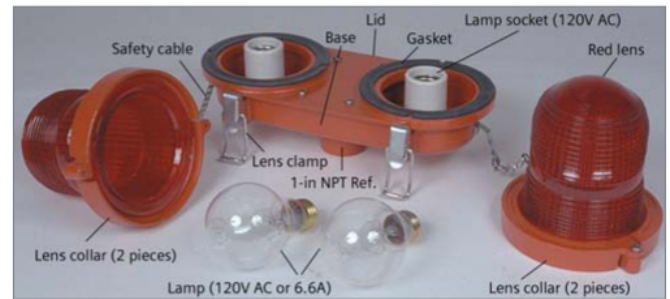
Operating Conditions

Temperature: -67 °F to +131 °F (-55 °C to + 55 °C)

Humidity: 0 to 100%

Wind speeds: Up to 150 mph (240 kph)

Construction



Lamp-Out Relay Operation

120 VAC input power to the dual L-810 fixture energizes a relay and the normally operating lamp #1. If lamp #1 fails, the relay is de-energized causing the 120 VAC to be switched to the backup lamp #2. At the same time, 120 VAC power is also switched to the alarm terminal, which can be used to activate a user-supplied alarm.

Packaging

Single	
Actual fixture	5.63 dia. × 8.09 H -in 14.30 dia. × 20.55 H -cm
In cardboard box	6 H × 6 W × 8.5 D -in 15.24 H × 15.24 W × 21.59 D -cm
Net weight	4 lb (1.81 kg)
Dual	
Actual fixture	5.63 dia. × 8.06 H × 12.25 W-in 14.30 dia. × 20.47 H × 31.12 W - cm
In cardboard box	12H × 9W × 9.5D -in 30.48 H × 22.86 W × 24.13D -cm
Net weight	8 lb (3.63 kg)

OBSTRUCTION & BEACONS

SBOL

L-810 Single/Dual Fixture without Lamp-Out Relay

Ordering Code

44C100 X - X

Fixture

- 5 = Single Light Fixture*
- 7 = Dual Light Fixture*

Lamp Wattage

- 1 = 120 VAC Fixture With 69 W Lamp*
- 2 = 6.6 A Fixture With 45 W Lamp
- 3 = 120 VAC Fixture Only (No Lamps)
- 4 = 6.6 A Fixture Only (No Lamps)

L-810 Dual Light Fixture with Lamp-Out Relay

Ordering Code

44C1532 - X X 1 X

Lamp Wattage

- 1 = 120 VAC Fixture With 69 W Lamp

Include Lamp

- 0 = Fixture Without Lamps
- 1 = Fixture With Lamps

1

Port Size/Location

- 1 = 1-inch, 11.5 TPI, NPT Bottom Port (Standard)
- 2 = 1-inch, 11.5 TPI, NPT Side Port (Special Order)
- 3 = 0.75-inch, 14 TPI, NPT Side Port (Special Order)

Notes

* ETL Certified