



Flight Light Inc.
2708 47th Ave.
Sacramento, California, U.S.A.
95822-3806



PH (916) 394-2800 FX (916) 394-2809
TF (800) 806-3548 EM info@flightlight.com

L-810 LED Steady-Burning Red Obstruction Light

Compliance and Applications

ETL Certified L-810:

FAA AC 150/5345-43F; EB-67

Suitable for use in Class I, Division 2, Groups A-D, or unclassified locations

Compliant to:

ICAO Annex 14 (Low Intensity Obstacle Light)

Transport Canada CAR 621.19

DGAC of Mexico

MIL-C-7989

Our L810LED omni-directional, red, steady-burning obstruction light is designed for marking tall structures such as buildings, towers, masts, cranes, meteorological towers, chimneys and other hazards to aircraft. This energy-saving LED light is a direct replacement for incandescent fixtures, providing years of reliable and maintenance-free operation. Available in single, double, and retrofit configurations; optional solar drive package. Hazardous Locations version is also available.

Why Our L810LED is Better

- Direct replacement for existing incandescent light.
- Lasts up to 20 times longer than an incandescent light.
- Uses 96% less power than an incandescent light.
- No regular maintenance.
- Available in single and dual configurations with bottom or side conduit outlets.
- Can be operated in steady-burning or flashing mode (controller not supplied).
- Photocell option for automatic activation at night.
- Self-contained wiring compartment eliminates additional boxes.
- Weather/corrosion resistant.
- Resistant to shock and vibration.
- Operates from -67°F to 131°F (-55°C to +55°C).
- 5 year warranty.

Specifications

Power consumption: 3.4W (DC); 3.8W (AC)

Power source: 120-277 VAC; 12-48VDC

Intensity: 32.5 candelas

Dimensions: 5.5" dia. x 7.85" height (single)

Weight: 2 lb. (single); 5 lb. (double)

Estimated lifetime: 70,000+ hours



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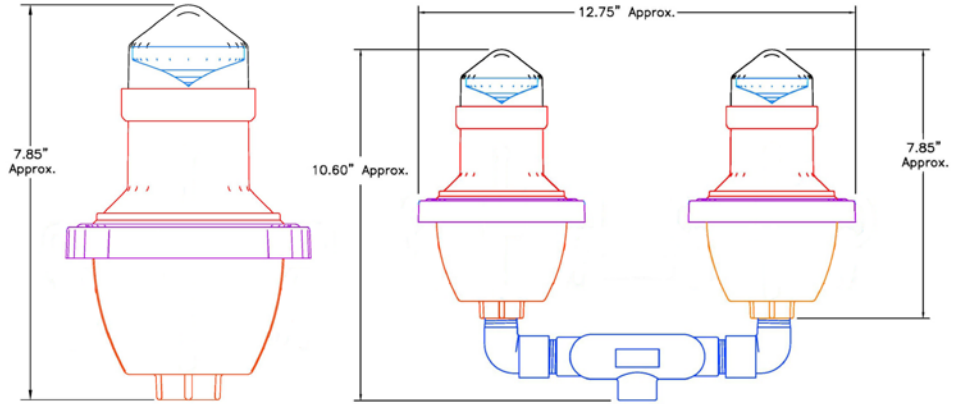


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Spare Parts

SK-4451	Clamp Ring and Gasket
SK-4452	Fixture Base
SK-4453	Wire Rope
SK-4454	Neoprene Gasket
SK-4455	Pop Rivet 1/8" x 3/8" Grip
SK-4456	Draw Latch
68-ME75-100	Connector: 3/4" Male to 1" Female



Ordering Codes

Fixture	Power	Configuration	Conduit Outlet Location	Pipe Size	Options
FL-L810LED	120A: 120 VAC 240A: 240 VAC 277A: 277 VAC 12-48D: 12/24/48 VDC	S: Single Light D: Double Light	B: Bottom S: Side	3: 3/4" NPT 4: 1" NPT	F: Flasher P: Photocell T: Transfer Relay
FL-L810LED					

Shipping Information:

Single: 2 lb. (0.91 kg);
 Carton: 14" x 7" x 13" (2 units)
 Double: 5 lb. (2.27 kg);
 Carton: 14" x 7" x 13"

Obstruction Lighting Controls

Lighting controls are designed for use when multiple obstruction light fixtures are to be controlled with common electronics. The electronic control module comes in a cast iron device box with threaded hubs on both top and bottom. Replacement modules (controls without device box) are also available upon request.

Photocell

Model 81020 120VAC, 1000W photocell. FAA style photocells activate at 35 ft-cd and turn off at 58 ft-cd. A 45 second time delay prevents activation and de-activation from momentary light conditions. Does not come with device box, includes 1/2" threaded male fitting.

Model 81021 120VAC, 4800W photocell. Meets FAA/FCC requirements for obstruction lighting. Energized at 35 ft-cd and de-energized at 60 ft-cd. Time delay eliminates contact chatter. Contains dual 20A load contacts. Front plastic housing mounts to cast aluminum junction box (included).

Model 81022 Hazardous Location Photocontrol Unit. Outdoor lighting control for exterior lighting in hazardous locations: explosion proof, dust-ignition proof, and weatherproof. Nominal Voltage 50/60 Hz: 120/208/240/277. Voltage Range: 105-305. Housing: sand cast copper-free aluminum - epoxy powder coated.

Fixture Type	Model
FL-	81020: Photocell only (120VAC, 1000W max)
	81021: Photocell with aluminum box (120VAC, 4800W max)
	81022: Hazardous Location Photocontrol Unit



Model 81020



Model 81021



Model 81022

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L-810 LED Steady-Burning Red Obstruction Light

Obstruction Lighting Controllers

Compliant to: FAA AC 150/5345-43F
 ICAO Annex 14
 Canadian CAR 621.19

Applications

Our Obstruction Lighting Controllers are suitable for use with LED beacons and sidelights used to mark towers, chimneys, buildings, and other structures.

Specifications

Power Requirements: 120 or 240V AC 60Hz standard
 (115 or 230V AC, 50Hz available)
 Enclosure Rating: NEMA 4x fiberglass
 Surge Protection: MOV
 Alarm Type: Dry Contacts, Form "C"
 Photocell: Standard on all controllers.
 Warranty: 2 year limited warranty



Ordering Codes

Part Number	Description	Capacity	Dimensions (H x W)
RL-0MLED	Alarmed LED Controller	2 to 9 L810LED Lights	10.75" x 6"
RL-1MLED	Alarmed LED Controller	1 L864LED Beacon + up to 4 L810LED Lights	10.75" x 6"
RL-2MLED	Alarmed LED Controller	2 L864LED Beacons + up to 8 L810LED Lights	10.75" x 6"
RL-3MLED	Alarmed LED Controller	3 L864LED Beacons + up to 8 L810LED Lights	14.75" x 10"
RL-4MLED	Alarmed LED Controller	4 L864LED Beacons + up to 8 L810LED Lights	14.75" x 10"
RL-5MLED	Alarmed LED Controller	5 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL-6MLED	Alarmed LED Controller	6 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL-7MLED	Alarmed LED Controller	7 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL-0LED	Un-Alarmed LED Controller	2 to 9 L810LED Lights	10.75" x 6"
RL-1LED	Un-Alarmed LED Controller	1 L864LED Beacon + up to 4 L810LED Lights	10.75" x 6"
RL-2LED	Un-Alarmed LED Controller	2 L864LED Beacons + up to 8 L810LED Lights	10.75" x 6"
RL-3LED	Un-Alarmed LED Controller	3 L864LED Beacons + up to 8 L810LED Lights	14.75" x 10"
RL-4LED	Un-Alarmed LED Controller	4 L864LED Beacons + up to 8 L810LED Lights	14.75" x 10"
RL-5LED	Un-Alarmed LED Controller	5 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL-6LED	Un-Alarmed LED Controller	6 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL-7LED	Un-Alarmed LED Controller	7 L864LED Beacons + up to 12 L810LED Lights	14.75" x 10"
RL1-SS	Un-Alarmed LED Controller	8 L864LED Beacons + up to 18 L810LED Lights	14.75" x 10"
RL-1LED-XFER	Un-Alarmed LED Controller w/transfer from Primary to Secondary L864 Beacon	1 L864LED Beacon + up to 4 L810LED Lights	10.75" x 6"

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