



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 150/5345-43H; EB-67D

Compliant to:

ICAO Annex 14, Low Intensity Obstacle Light, Type B

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.

### Why Our L810LED is Better

- Direct replacement for existing incandescent light.
- Lasts up to 10 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: 1.8W (DC); 3W (AC)
- Power source: 120VAC, 208-277VAC, 12-48VDC
- Intensity: 32.5 candelas
- Dimensions: 5.65" dia. x 7.75" height (single)
- Weight: 3.2 lb. (single); 7 lb. (double)
- Estimated lifetime: 70,000+ hours
- Wind loading: Effective Projected Area of the L-810 with single mounting base is 23.125 square-inches



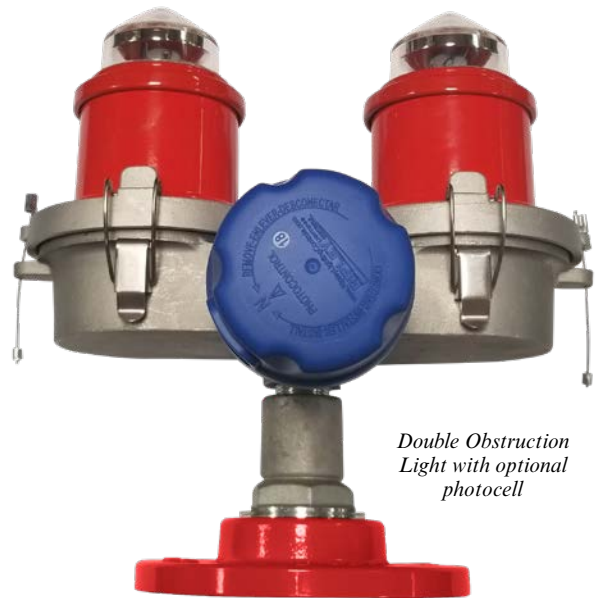
Single Obstruction Light



Optional Low Surface Mount



Shown with Riser, Frangible Coupling and Floor Flange



Double Obstruction Light with optional photocell

Visit our web site: [www.flightlight.com](http://www.flightlight.com)



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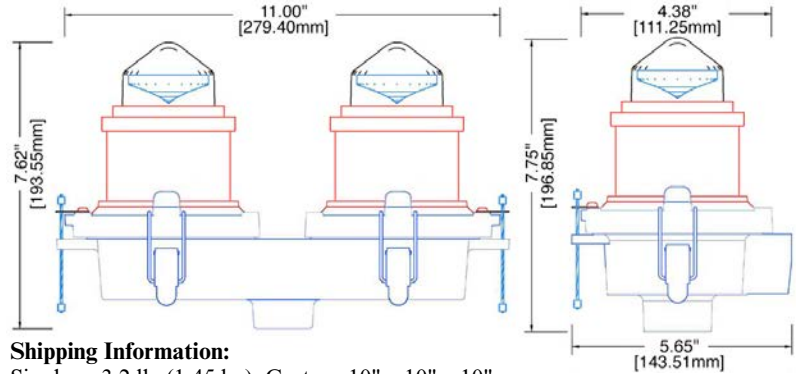


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### Spare Parts

<b>12-SB3</b>	Single Light 3/4" Port
<b>12-SB4</b>	Single Light 1" Port
<b>12-DB3</b>	Double Light 3/4" Port
<b>12-DB4</b>	Double Light 1" Port
<b>68-ME75-100</b>	Connector: 3/4" Male to 1" Female
<b>FL-810LED12-48VDC</b>	12-48VDC L810LED V1 Assy. (Engine)
<b>FL-810LED120VAC</b>	120VAC L810LED V1 Assy. (Engine)
<b>FL-810LED120VACMT</b>	120VAC L810LED V1 Assy. (Engine) Marine Treated
<b>FL-810LED208-277VAC</b>	208-277VAC L810LED V1 Assy. (Engine)



#### Shipping Information:

Single: 3.2 lb. (1.45 kg); Carton: 10" x 10" x 10"  
 Double: 7 lb. (3.17 kg); Carton: 15" x 15" x 10"

### Ordering Codes

Fixture	Color	Power	Fixture Style	Mounting	Options
<b>FL-810L</b>	<b>R:</b> Red	<b>AC1:</b> 120 VAC <b>AC2:</b> 208-240 VAC <b>AC3:</b> 277 VAC <b>DC:</b> 12/24/48 VDC	<b>S:</b> Single <b>D:</b> Double	<b>34B:</b> 3/4" Hub - Bottom <b>10B:</b> 1" Hub - Bottom <b>34S:</b> 3/4" Hub - Side <b>10S:</b> 1" Hub - Side <b>FF:</b> Floor Flange <b>LSM:</b> Low Surface Mount <sup>1</sup>	<b>F:</b> Flasher <sup>2</sup> <b>P:</b> Photocell <b>T:</b> Transfer Relay <sup>3</sup> <b>MT:</b> Marine Treated

<sup>1</sup> For single option only. <sup>2</sup> Will not work with 277 VAC. <sup>3</sup> For 120/240VAC applications only.

### 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.



Model 81020



Model 81021



Model 81022

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

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