



L-810 Solar-Powered Obstruction Light

Applications

The L-810 Solar-Powered Obstruction Light provides reliable obstruction lighting for remote locations where running electrical infrastructure would be costly or impractical. The all-in-one solar system combines a high-capacity lithium-ion battery, efficient solar panel, and durable housing into a fully self-contained unit. Available in single or dual light configurations, the system provides dependable dusk-to-dawn or 24/7 operation and up to 7 days of autonomy on a full charge.

Features

- 100% solar-powered L-810 LED obstruction light - eliminates the cost and complexity of running electrical power to remote locations
- Available with L-810 omni-directional, red, steady-burning LED obstruction light in single or dual configurations
- Complies with FAA EB-76 "Using Solar Power for Airport Obstruction Lighting"
- Automatic photocell for "dusk to dawn" operation
- Option for 24/7 "always on" mode
- 50 Ah lithium-ion battery with MPPT charge controller for long life (rated for 4,000 discharge cycles, or 10+ years)
- 50-watt solar panel ensures operation in sunny or cloudy climates
- 7-day autonomy: runs for 7 days without sun on a fully charged battery (single light, dusk to dawn)
- Adjustable solar panel angle based on location
- Powder-coated housing for superior environmental protection
- Perfect for fences, posts, buildings, or any other obstructions that are difficult to run power to
 - Universal fence mount plate fits posts from 1-5/8" to 3.5" in diameter (includes 2.5" U-bolts)
 - Easy installation: mount plate and post to fence first, then slip on pre-assembled housing and panel
 - Optional wall or roof mount hardware available
- 4-year warranty on LED light; 2-year warranty on solar panel, battery, and all other components

System Ordering Codes

System	Optional Mounting Hardware
FL-S810L ¹	RM: Roof Mount Hardware WM: Wall Mount Hardware

¹ System includes solar panel, housing, battery, charge controller, photocell and universal fence post mount.

Fixture Ordering Codes

Fixture	Fixture Output Color	Fixture Power	Fixture Style	Fixture Mounting	Fixture Options
FL-810L	NVR: Red + Infrared (IR) ¹ R: Red	DC: 12-48 VDC	S: Single D: Double	34B: 3/4" Hub - Bottom	100C: 100 Candelas H: High Temperature ² MT: Marine Treated

¹ Only fixtures with NVR output color (Red + IR) are FAA approved. All other output colors and system components are not FAA approved.

² For locations with high temperatures above +131°F (+55°C). Not FAA approved.



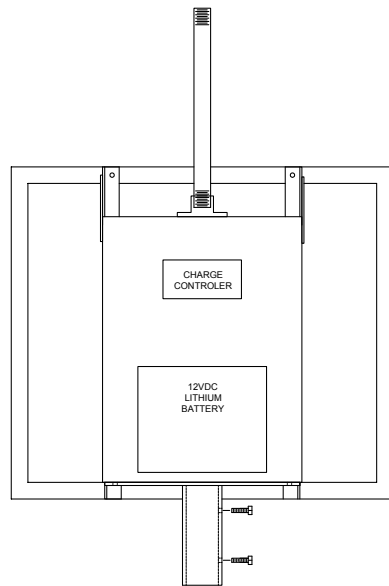
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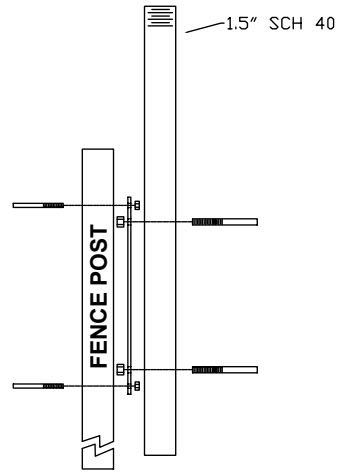
Flight Light Inc., 2708 47th Ave.
Sacramento, CA, 95822, USA



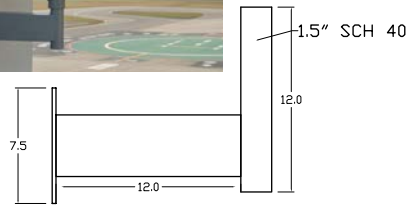
Mounting Configurations



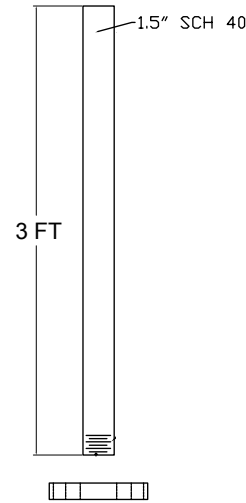
DIRECT POST MOUNT



POST TO POST MOUNT
Included



WALL MOUNT
Optional- Sold Separately



ROOF MOUNT
Optional- Sold Separately

Replacement Parts

- 2300-0024: Fuse, Mini 30 amp 32 volt
- 1300-0092: Battery, Lithium-Ion, 12VDC, 50AH
- 7800-0020: Charge Controller
- 7800-0019: Solar Panel, 50 Watt
- L810LED 12-48VDC: L810 Assy, Single, LED, 12-48V

Shipping Information

- Main enclosure, battery, and light: 48.2 lb.
- Fence mount hardware and post: 10.2 lb.
- Shipping weight: 60 lb.
- Shipping dimensions: 36" x 24" x 20"

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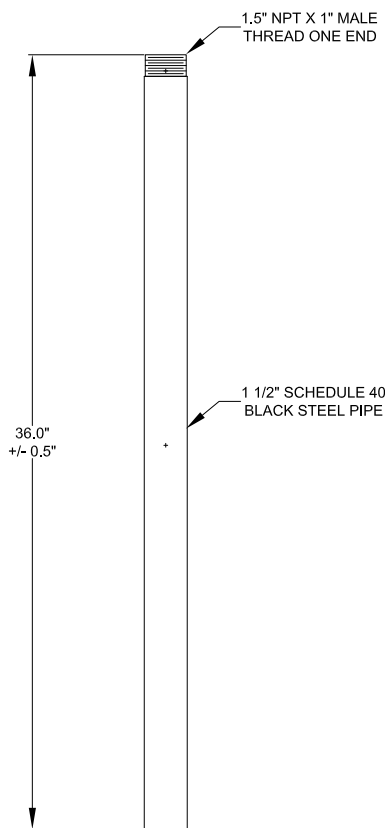


Package Contents:

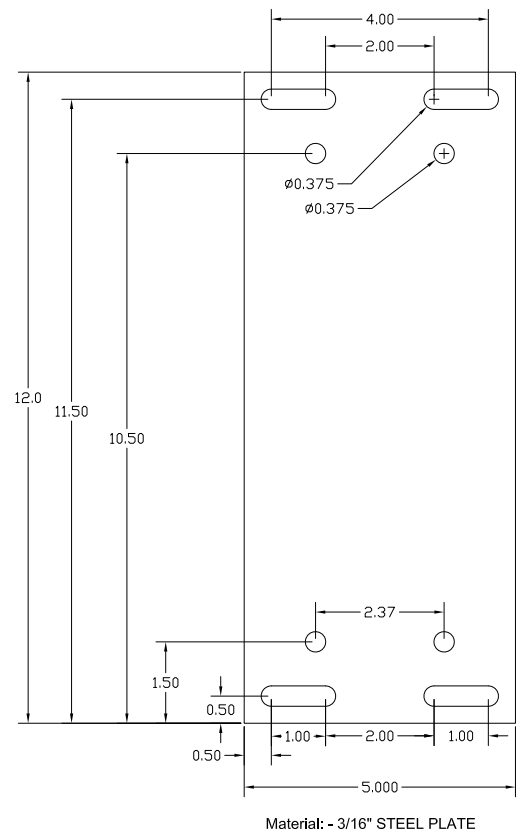
- Solar panel assembly (including battery, charge controller, and enclosure with post mount)
- 36" solar mounting post
- L-810 LED obstruction light with 18" post
- Mounting plate
- 2-3/8" U-bolts (for mounting plate to solar mounting post)
- 2-1/2" U-bolts (for mounting to fence post) (posts with larger or smaller diameters may require alternate U-bolt sizes)



Solar Mounting Post



Mounting Plate



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