

# OL800 Solar LED Obstruction Light

## Compliance & Applications

- FAA: L-810, AC 150/5345-43G
- ICAO: Annex 14, Low-Intensity Types A & B (Red)

The OL800 is a self-contained solar light using high-efficiency solar panels that require minimal ongoing maintenance. With the top-mounted LED display and simple tap-to-activate feature, you can easily check light settings without an external controller. The rugged design ensures maximum battery life and light performance, even in the harshest environments.

## Key Features

- Long-lasting batteries available in compact and large sizes
- Optional charging port enables a backup energy source during prolonged low-sunlight conditions
- Applications include cranes, barricades, wind turbines, roof-tops, bridges, and construction sites

## Intuitive Setup and Programming

Ready to use straight out of the box, the top-mounted LED display features tap-to-activate functionality, allowing users to monitor battery status and easily view or adjust light settings without an external controller.

## Intelligent Energy Management

With high-efficiency solar panels and Maximum Power Point Tracking (MPPT) technology, the system optimizes energy collection and usage for maximum battery life and reliable light performance.

## Durable, Low Maintenance

This maintenance-free system integrates solar panels, battery, electronics, and LED light into a single unit. The replaceable battery extends the lifespan to beyond five years for lasting reliability.



*Optional  
Infrared  
Programmer*



# Technical Specifications

## LIGHT CHARACTERISTICS

<b>LIGHT SOURCE</b>	High-powered LED
<b>AVAILABLE COLORS</b>	Red, Red/IR
<b>FLASH CHARACTERISTICS</b>	Steady-on and Multiple Flash Patterns
<b>LED LIFE EXPECTANCY</b>	>100,000 Hours

## SOLAR CHARACTERISTICS

<b>PANEL DESIGN</b>	Best-in-class High-efficiency Solar Cells with Blocking Diodes
<b>CHARGING REGULATION</b>	Maximum Power Point Tracking with Temperature Compensation (MPPT-TC)

## POWER SUPPLY

<b>BATTERY TYPE</b>	Sealed Lead Acid (SLA), Replaceable and Recyclable
<b>RED AUTONOMY*</b>	Compact 5-7 days Large 16-19 days
<b>RED/IR AUTONOMY*</b>	Compact 2-5 days Large 13-15 days

## PHYSICAL CHARACTERISTICS

<b>BODY MATERIAL</b>	Powder-coated Aluminum Chassis Polycarbonate/Polysiloxane Co-polymer Base Waterproof, Vented Battery Compartment Integrated Handle
<b>BODY COLOR</b>	Grey
<b>LENS MATERIAL</b>	UV-resistant Polycarbonate
<b>LENS DESIGN</b>	Multi-LED Optic
<b>MOUNTING</b>	3 or 4, 7.9" (200 mm) Bolt
<b>HEIGHT</b>	Compact 8.9 in (228 mm) Large 13.1 in (333 mm)
<b>WIDTH</b>	9.2 in (235 mm)
<b>WEIGHT</b>	Compact 11.1 lbs (5.0 kg) Large 17.7 lbs (8.0 kg)
<b>SERVICE LIFE</b>	Up to 12 Years

## ENVIRONMENTAL STANDARDS

<b>TEMPERATURE RANGE</b>	Optimal -22 to 122°F (-30 to 50°C) Maximum -40 to 176°F (-40 to 80°C)
<b>WIND</b>	161.1 mph (72 m/s)
<b>ICE LOADING</b>	0.03 psi (22 kg/m <sup>2</sup> )
<b>SHOCK AND VIBRATION</b>	MIL-STD-202G
<b>INGRESS</b>	EN 60529 IP 68 Immersion MIL-STD-202G Immersion and Damp Heat Cycling MIL-STD-810G Rain and Salt Fog
<b>ELECTROSTATIC DISCHARGE (ESD)</b>	FAA-STD-0193 EN61000-4-2

## COMPLIANCE

<b>FAA</b>	FAA L-810 FAA AC 150/5345-43G
<b>ICAO</b>	ICAO Low Intensity Types A & B (Red)
<b>CASA</b>	CASA 10 cd (Part 139, Vol. 2)
<b>PHOTOMETRICS</b>	IES LM-80
<b>QUALITY ASSURANCE</b>	ISO 9001:2015

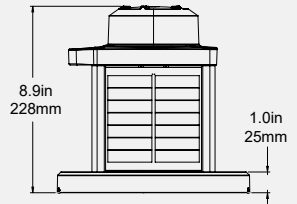
## OTHER

<b>STANDARD ACCESSORIES</b>	Bird Deterrent Quick Start Guide
<b>OPTIONS</b>	Charging Port GPS or Wired Synchronization Red with Infrared (IR) LED Infrared (IR) Programmer
<b>WARRANTY</b>	Light 3 Years Battery 1 Year

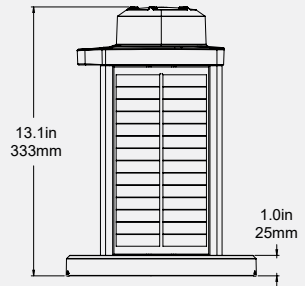
**TERMS AND CONDITIONS** Please Refer to the Product Manual for Further Information

## TECHNICAL DRAWINGS

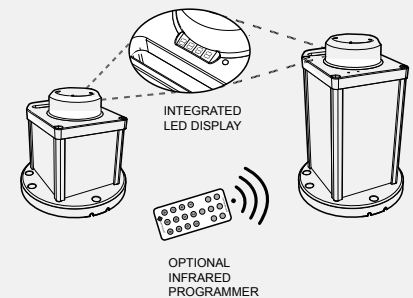
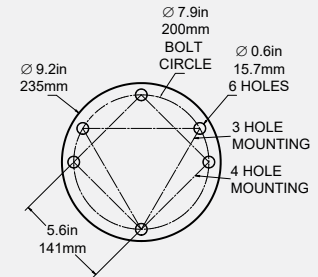
### COMPACT



### LARGE



### BOLT PATTERN



\*Depending on location.