

# OL800 Solar Obstruction Light

## Compliance & Applications

The new benchmark for low-intensity solar LED obstruction lighting in an easy-to-install, low-maintenance package. Available in three engine sizes and includes new user-friendly features.

Meets ICAO requirements for Low-Intensity Obstacle Lights Type A and Type B, according to ICAO Annex 14, Volume 1, 5th Edition, July 2009 and 6th Edition, July 2013 (Red).

Compliant with Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red).

Intertek compliance test reports and global simulation maps available upon request.

## Intuitive Setup & Programming

- Top-mounted LED display with simple "tap to activate" functionality.
- Easily check light settings without external controller.
- Programmable with optional IR remote.

## Scalable, Cost-effective Design

- Customizable for best value-for-performance.
- Multiple battery pack options.

## Intelligent Energy Management

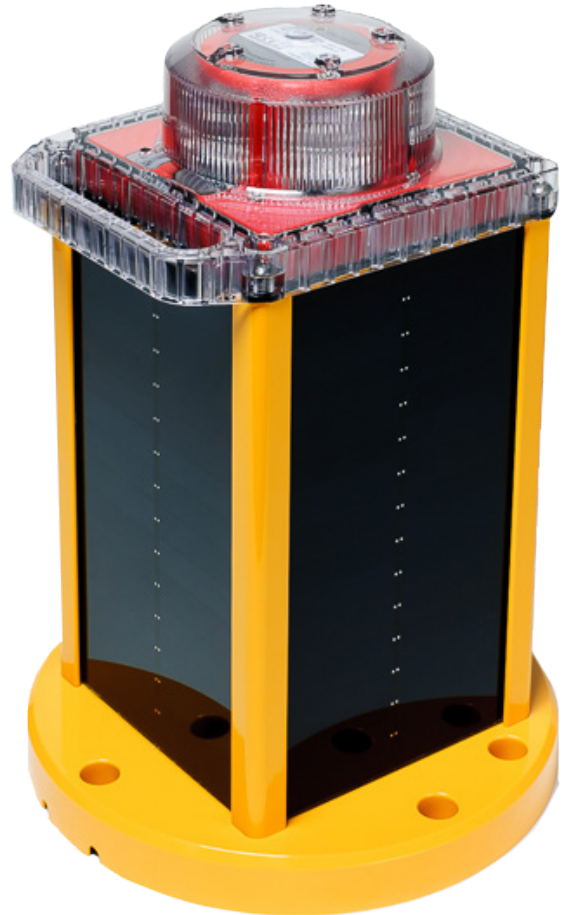
- Best-in-class, high-efficiency solar panels.
- Maximum Power Point Tracking (MPPT).
- Patented Energy Management System (EMS).
- Ensures maximum battery life and light performance in even the harshest of environments.

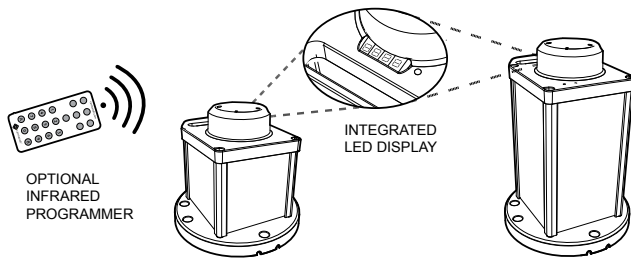
## Durable, Low Maintenance

- Compact, stand-alone, maintenance-free unit.
- Integrated solar panels, battery, electronics and LED light source.
- Replaceable battery extends life beyond five years.

## Trusted

- Thousands of installations worldwide.
- Our solar LED lights operate year-round at permanent and temporary installations.





## SPECIFICATIONS

Optical	High powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red).
	Complies with ICAO Low-Intensity Obstacle Light Type A & B - Annex 14, 5th Edition, July 2009 (Red) and 6th Edition, July 2013 (Red).
	Meets requirements for CASA 10 cd (Part 139, Vol.2)
	ICAO, SAE25050 (FAA) and FAA EB 67 compliant chromaticity: Red, Green, White and Yellow
Energy Collection	Steady-on and 250+ flash patterns
	Best-in-class high-efficiency solar cells with blocking diodes
Energy Storage	Maximum power point tracking with temperature compensation (MPPT-TC) for optimal energy collection
	EnerSys CYCLON pure-lead VRLA AGM battery -85 to 176°F (-65 to 80°C) manufacturers operating range
Energy Management System (EMS)	On-board battery status; Optional port for battery charging
	Designed for 5 year battery life; Replaceable and recyclable
Automatic Light Control (ALC)	Intelligent, microprocessor
	On-board diagnostics and datalogger
Programming	Adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation
	Programmable with optional infrared programmer
GPS Synchronization	Integrated 4-character LED display
	Optional GPS enables two or more lights to flash in unison
Construction	Premium grade UV resistant, polycarbonate lens/head
	Polycarbonate/polysiloxane co-polymer base
	Environmentally friendly, durable powder coated aluminum chassis (applied by trivalent chromate process)
	Thermoplastic gaskets
	Waterproof, vented battery compartment
Temperature	Top color indicator matches LED color
	Integrated handle
Mounting	Bird deterrent included
	-22 to 122 °F (-30 to 50 °C) optimal
Wind Loading	-40 to 176 °F (-40 to 80 °C) maximum
	3 or 4, 7.87" (200 mm) bolt circle mounting pattern
Ice Loading	140 knots (72 m/s)
	0.03 psi (22 kg/m²)
Shock & Vibration	MIL-STD-202G (for Shock and Vibration)
	MIL-STD-810G rain & salt fog
Ingress	EN 60529 IP 68 immersion
	MIL-STD-202G immersion & damp heat cycling
Electrostatic Discharge (ESD)	MIL-STD-810G rain & salt fog
	FAA-STD-0193, EN61000-4-2

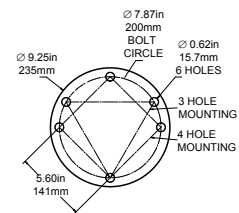
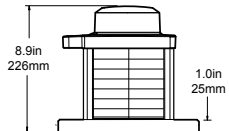
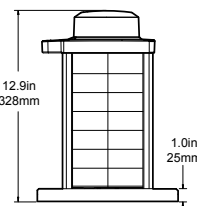
## ORDER OPTIONS

MODEL ▼	OUTPUT ▼	SOLAR ENGINE ▼	CONTROL ▼	CHARGE PORT ▼	CHASSIS ▼
OL800	RED GREEN WHITE YELLOW	COMPACT STANDARD LARGE	NONE GPS SYNC	NONE CHARGE PORT	YELLOW



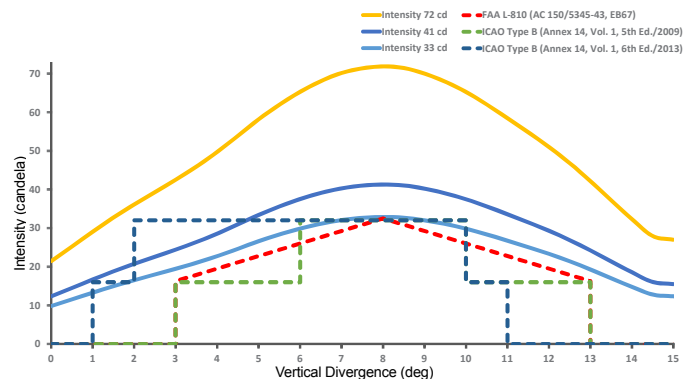
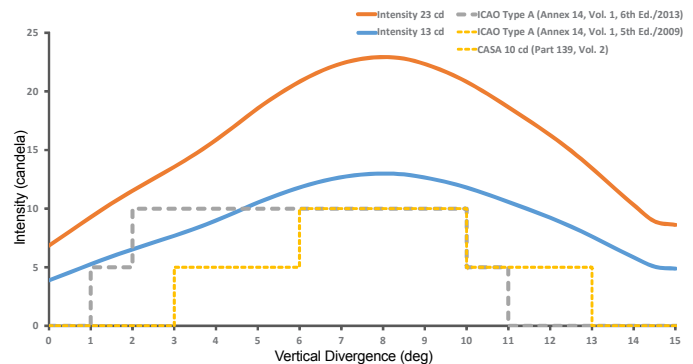
## DIMENSIONS AND WEIGHTS

STANDARD	COMPACT
Weight	14 lb (6.4 kg)
Battery	E-cells (100 Wh)
LARGE	
Weight	22.4 lb (10.2 kg)
Battery	BC-cells (210 Wh)



## PEAK INTENSITY

COLOR	INTENSITY
Red	209 cd
Green	287 cd
White	374 cd
Yellow	319 cd



## OL800 SERIES ACCESSORIES

## MOUNTING

REF.	PART NO.	DESCRIPTION
2A	65714	Standard mounting plate (1.5" pipe x 18" installed height)
2B	65717	Extended mounting plate (1.5" pipe x 24" installed height)
3	65711	Frangible coupling (1.5" pipe socket x 2" thread w/ set screws)
3B	74239	OL800 mounting bracket
4	50144	Floor flange (2" thread)

## HARDWARE

REF.	PART NO.	DESCRIPTION
1A	71757	Bolt kit (1/2-13 UNC x 2" long x 4)
5	46397	Wedge anchor bolt kit (3/8" x 3.75" long x 4)
1B	71884	Security bolt kit, not including driver or socket (1/2-13 UNC x 2" long, x 2 security, x 2 hex head)
-	69934	Bird deterrent, single

## BATTERY

REF.	PART NO.	DESCRIPTION
-	69954	Battery replacement kit - compact
-	69955	Battery replacement kit - standard
-	69956	Battery replacement kit - large

## TOOLS

REF.	PART NO.	DESCRIPTION
6	69899	IR programmer, slim
-	53288	Security bolt kit driver
-	53289	Security bolt kit socket
-	48984	Tool kit
-	30768	Security screw bit (5/32" hex with center pin)
-	69885	Battery charger (100 - 240 VAC 50/60 Hz input, multiple ends for intl. use)

