

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.

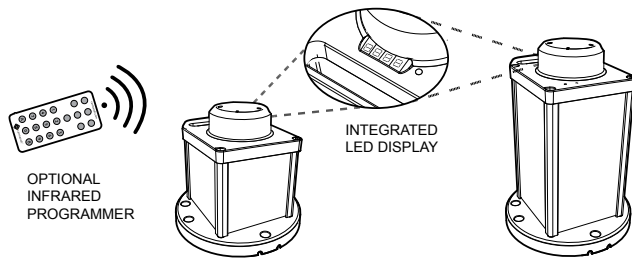
Durable, Low Maintenance

- 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)
Energy Collection	Meets requirements for CASA 10 cd (Part 139, Vol.2)
	ICAQ, SAE25050 (FAA) and FAA EB 67 compliant chromaticity: Red, Green, White and Yellow
Energy Storage	Steady-on and 250+ flash patterns
	Best-in-class high-efficiency solar cells with blocking diodes
Energy Management System (EMS)	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
Automatic Light Control (ALC)	On-board battery status; Optional port for battery charging
	Designed for 5 year battery life; Replaceable and recyclable
Programming	Intelligent, microprocessor
	On-board diagnostics and datalogger
GPS Synchronization	Adjusts output intensity in response to unusually low amounts of sunlight to ensure continued operation
	Programmable with optional infrared programmer
Construction	Integrated 4-character LED display
	Optional GPS enables two or more lights to flash in unison
Temperature	Premium grade UV resistant, polycarbonate lens/head
	Polycarbonate/polysiloxane co-polymer base
Mounting	Environmentally friendly, durable powder coated aluminum chassis (applied by trivalent chromate process)
	Thermoplastic gaskets
Wind Loading	Waterproof, vented battery compartment
	Top color indicator matches LED color
Ice Loading	Integrated handle
	Bird deterrent included
Shock & Vibration	-22 to 122 °F (-30 to 50 °C) optimal
	-40 to 176 °F (-40 to 80 °C) maximum
Ingress	3 or 4, 7.87" (200 mm) bolt circle mounting pattern
	140 knots (72 m/s)
Electrostatic Discharge (ESD)	0.03 psi (22 kg/m²)
	MIL-STD-202G (for Shock and Vibration)
	EN 60529 IP 68 immersion
	MIL-STD-202G immersion & damp heat cycling
	MIL-STD-810G rain & salt fog
	FAA-STD-0193, EN61000-4-2

ORDER OPTIONS

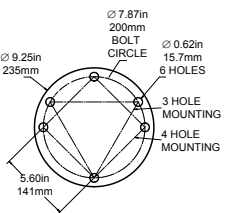
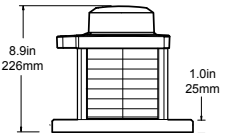
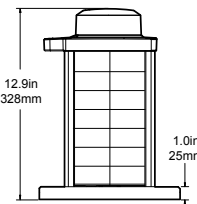
MODEL ▼	OUTPUT ▼	SOLAR ENGINE ▼	CONTROL ▼	CHARGE PORT ▼	CHASSIS ▼
OL800	RED GREEN WHITE YELLOW	COMPACT STANDARD LARGE	NONE GPS SYNC	NONE CHARGE PORT	YELLOW



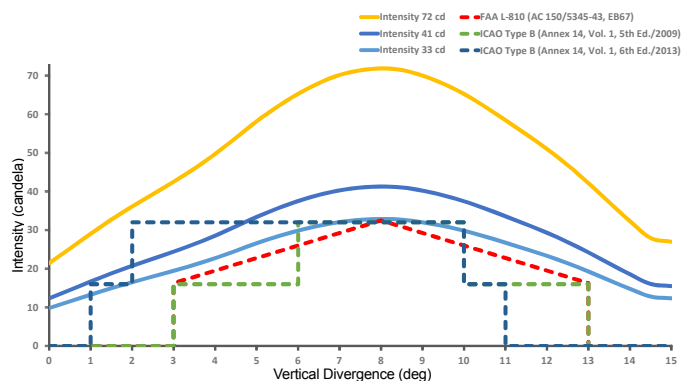
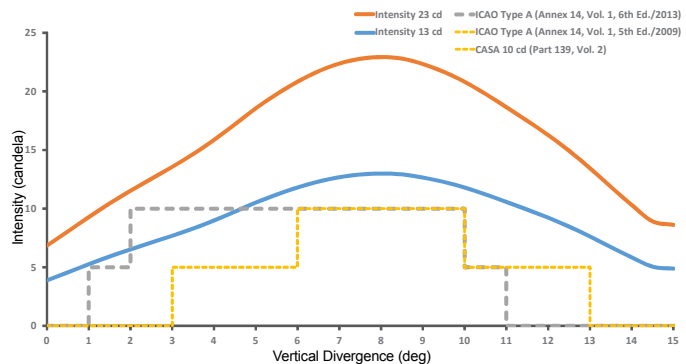
DIMENSIONS AND WEIGHTS

STANDARD	COMPACT
Weight	14 lb (6.4 kg)
Battery	E-cells (100 Wh)
Battery	X-cells (63 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)
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)

