



# OL800

SOLAR OBSTRUCTION LIGHT



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

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
- Carmanah solar LED lights operate year-round at permanent and temporary installations



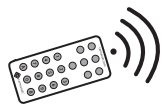
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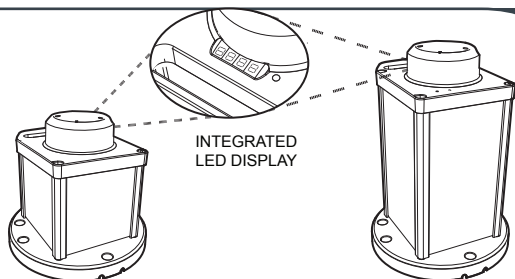
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OPTIONAL INFRARED PROGRAMMER



INTEGRATED LED DISPLAY

# OL800

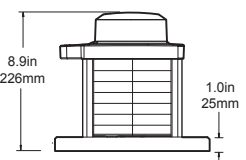
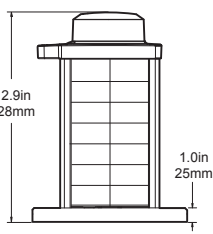
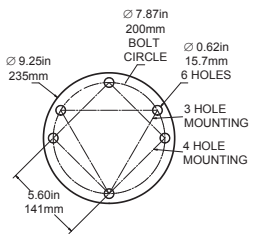
## SOLAR OBSTRUCTION LIGHT



### SPECIFICATIONS

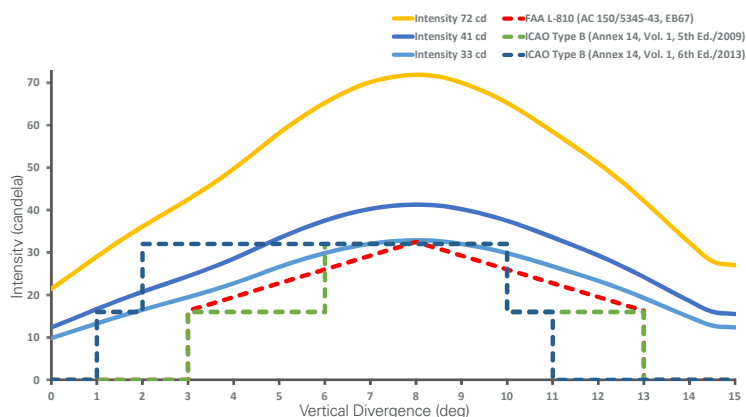
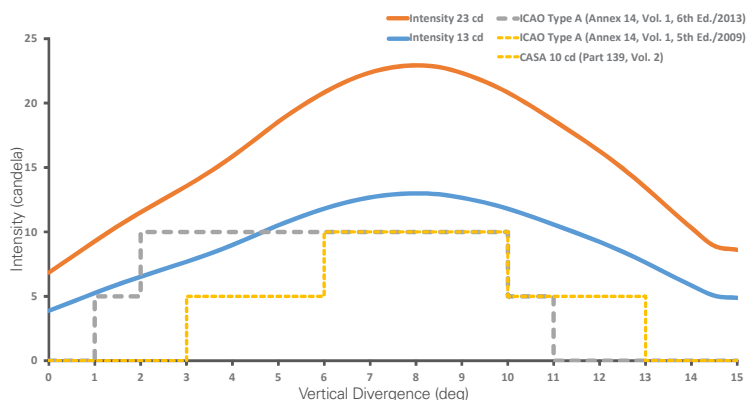
Optical	High powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red).
	Complies with ICAO Low-Intensity Obstacle Light Type A & B - Annex 14, 5th Edition, July 2009 (Red) and 6th Edition, July 2013 (Red).
	Meets requirements for CASA 10 cd (Part 139, Vol.2)
	ICAQ, 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 colour indicator matches LED colour
	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/m <sup>2</sup> )
Shock & Vibration	140 knots (72 m/s)
	0.03 psi (22 kg/m <sup>2</sup> )
Ingress	MIL-STD-202G (for Shock and Vibration)
	MIL-STD-202G immersion & damp heat cycling
Electrostatic Discharge (ESD)	MIL-STD-810G rain & salt fog
	FAA-STD-0193, EN61000-4-2

### DIMENSIONS AND WEIGHTS

STANDARD		COMPACT	
Weight	14 lb (6.4 kg)	Weight	9.9 lb (4.5 kg)
Battery	E-cells (100.8 Wh)	Battery	X-cells (63 Wh)
<b>LARGE</b>			
Weight	22.4 lb (10.2 kg)		
Battery	BC-cells (210 Wh)		

### PEAK INTENSITY

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



### 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



The management system governing the manufacture of this product is ISO 9001:2008 certified.

Specifications subject to local environmental conditions. Specifications may be subject to change.

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