

MODEL

OL800

SOLAR LED 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 AND INCLUDES NEW USER-FRIENDLY FEATURES.

THE OL800 MEETS ICAO REQUIREMENTS OF THE LOW-INTENSITY OBSTACLE LIGHT 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 150/5345-43F 09/12.06 (RED).

Intuitive Setup & Programming

- Top-mounted LED display with simple “tap to activate” functionality
- Easily check light settings without external controller
- Built-in calendar function allows for automatic de-activation during off-season months
- 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

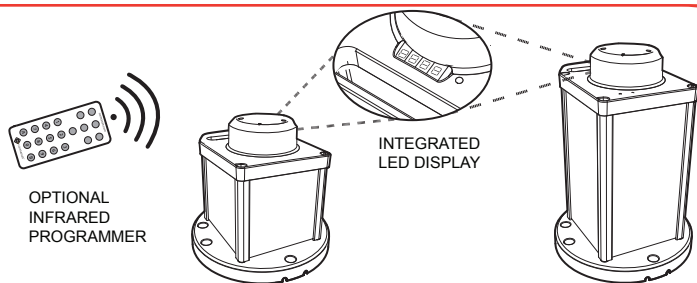


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SPECIFICATIONS

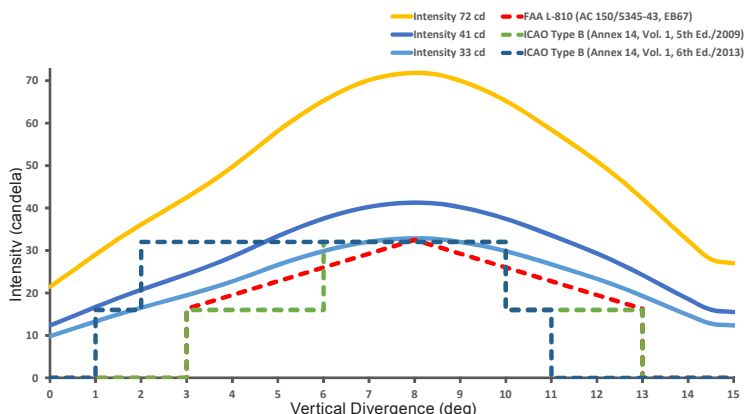
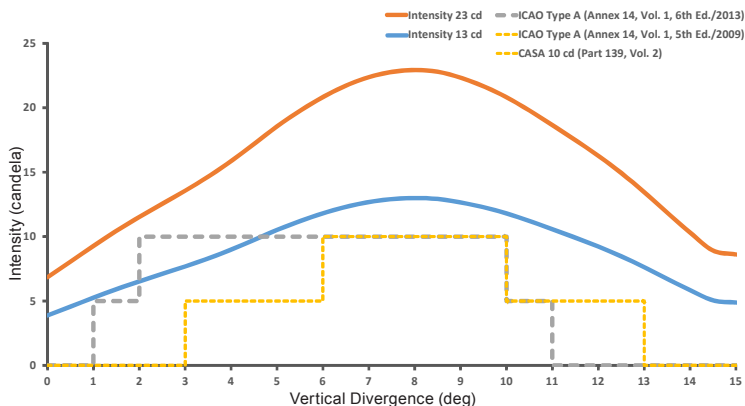
Optical	High powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43F 09/12.06 (Red).
	Complies with ICAO Low-Intensity Obstacle Light Type A & B (Annex 14, 5th Edition, July 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 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
	Pure-lead VRLA AGM battery -85 to 176 °F (-65 to 80 °C) manufacture 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 lanterns 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	-22 to 122 °F (-30 to 50 °C) optimal
Wind Loading	-40 to 176 °F (-40 to 80 °C) maximum
Ice Loading	3 or 4 bolt 7.87" (200 mm) mounting pattern
Shock & Vibration	140 knots (72 m/s)
Ingress	0.03 psi (22 kg/m ²)
Electrostatic Discharge (ESD)	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

DIMENSIONS AND WEIGHTS

STANDARD		COMPACT	
Weight	14 lb (6.4 kg)	Weight	9.9 lb (4.5 kg)
Battery (96E)	E-cells (96 Wh)	Battery (60X)	X-cells (60 Wh)
LARGE			
Weight	22.4 lb (10.2 kg)		
Battery (200BC)	BC-cells (200 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

Specifications may be subject to change

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