

OL800

SOLAR LED OBSTRUCTION LIGHT

THE OL800 MEETS THE 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

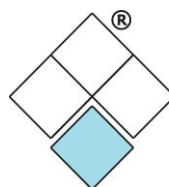
- Manufactured in an ISO 9001 facility
- Thousands of installations worldwide
- Carmanah solar LED lights operate year-round at permanent and temporary installations

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 management system governing the manufacture of this product is ISO 90001:2008 certified.

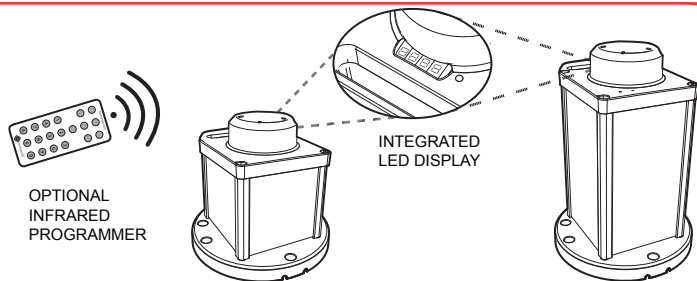
REPRESENTED IN YOUR REGION BY:



SARTELCO® SISTEMI SRL

Via Torri Bianche, 1
20871 Vimercate (MB)

Tel. +39- 039- 62905.1 Fax. +39- 039- 62905.99
e-mail sistemi@sartelco.it Web www.sartelco.it



MODEL

OL800

SOLAR LED OBSTRUCTION LIGHT

SPECIFICATIONS

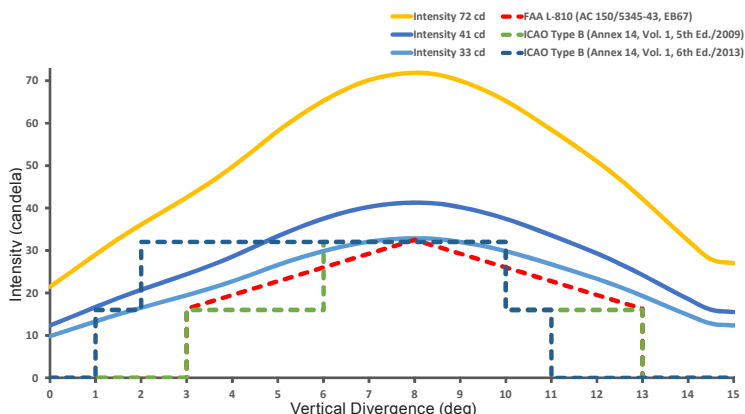
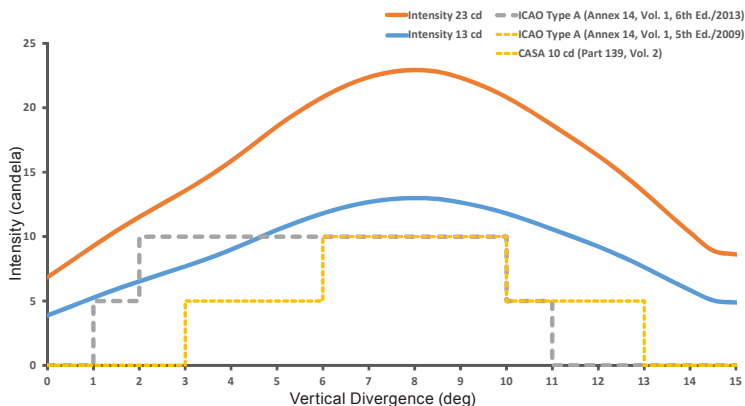
Optical	High powered LEDs meet IES LM-80 lumen maintenance ensuring consistent photometrics for life of product
	FAA: Meets Obstruction Light Type L-810 as per FAA Advisory Circular AC 150/5345-43G 09/26/12 (Red).
	Complies with ICAO Low-Intensity Obstacle Light Type A & B - Annex 14, 5th Edition, July 2009 (Red) and 6th Edition, July 2013 (Red).
	Meets requirements for CASA 10 cd (Part 139, Vol.2)
	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
	Top colour indicator matches LED colour
	Integrated handle
Temperature	Bird deterrent included
	-22 to 122 °F (-30 to 50 °C) optimal -40 to 176 °F (-40 to 80 °C) maximum
Mounting	3 or 4, 7.87" (200 mm) bolt circle mounting pattern
Wind Loading	140 knots (72 m/s)
Ice Loading	0.03 psi (22 kg/m ²)
Shock & Vibration	MIL-STD-202G (for Shock and Vibration)
Ingress	EN 60529 IP 68 immersion MIL-STD-202G immersion & damp heat cycling MIL-STD-810G rain & salt fog
Electrostatic Discharge (ESD)	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 Wh)	Battery	X-cells (63 Wh)
LARGE			
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

Specifications may be subject to change

Carmanah is a Canadian public corporation - TSX:CMH

© 2015, Carmanah Technologies Corp.

Document: OBST_OL800_Spec_Sheet_RevD

US and International patents apply. "Carmanah" and the

Carmanah logo are trademarks of Carmanah Technologies Corp.