

Solar-Powered Obstruction Light



- > Integrated solar/battery system
- > User-replaceable battery and solar modules
- > IP68 waterproof rating
- > Robust 7-stage powder-coated aluminum chassis with rubber extruded corners

Typical Application



Low Intensity Obstruction Light (ICAO Type A)

Avlite's Solar powered ICAO LIOL Type A is a robust, completely self-contained solar powered LED obstruction light.

The solar array charges an internal battery during daylight hours, and at dusk the light will automatically begin operation.

The rugged design of this self-contained light ensures up to 12 years of reliable service with minimal ongoing maintenance. Specifically designed for the harshest of environments, this light features a 7-stage, powder-coated aluminum top, base and internal chassis in high visibility colors for daytime recognition. The rubber, extruded corners provide additional impact resistance.

The advanced light optic uses a single power LED. The tough polycarbonate aviation lens is specifically designed for use with LEDs to maximize light intensity and uniformity. The light optic is interchangeable between units, and can be replaced on site in the unlikely event of damage.

Available Options:

- ✓ GSM Cell Phone Monitoring
- ✓ GPS Module for synchronisation
- ✓ External On/Off-Switch
- ✓ External Charging Port
- ✓ SolarBooster
- ✓ External IR Controller
- ✓ IR LED

MECHANICAL CHARACTERISTICS

Material	
Body	7-stage powder-coated aluminum
Lens	LEXAN® Polycarbonate – UV stabilized
Dimensions	
Height	470 mm
Width	233 mm
Weight	13,9 kg
Lens Diameter	107 mm
Mounting	4 x 17mm holes on 200 mm PCD
Temperature Range	-40 to 80 °C
Protection Class	IP 68
Wind Speed	Max. 44 m/s

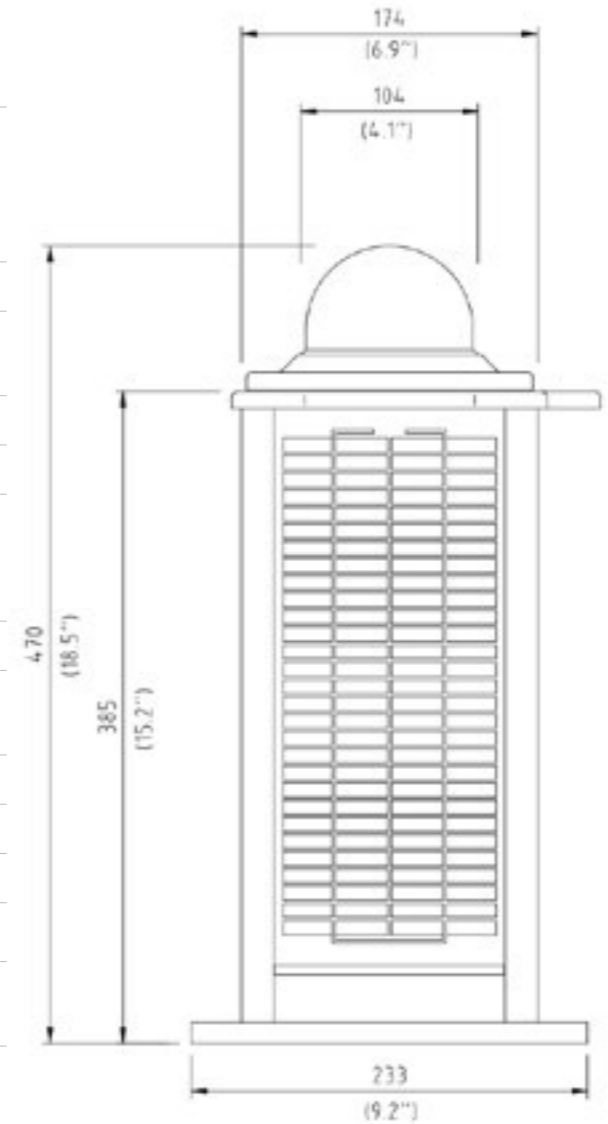
OPTICAL CHARACTERISTICS

Light Source	Single high-power LED
Available Colors	Red as standard, other colors on request
Peak Intensity	Compliant to ICAO
Horizontal Output	360 degrees
Vertical Divergence	+4° to +13°
Intensity Adjustment	In 25% increments
Available Flash Characteristics	>250 including steady-on (user-adjustable)
Intensity Adjustments	25 % - 50 % - 100 %

ELECTRICAL CHARACTERISTICS

Current Draw	39 mA (steady on)
Circuit Protection	Integrated
Operating Voltage	12 V
Autonomy (days)	> 20 (14 hour darkness, 12.5% duty cycle)
Battery Capacity	24 Ah
Typical Autonomy	> 40 nights (steady-on)
Output Solar Module	20 W (4 x 5 W)
Approx. daily kw/h to maintain full autonomy	1.4 (0.7 with Solar Booster)

DIMENSIONS



PHOTOMETRY

