

# AVC300 Series Solar Aviation Lighting



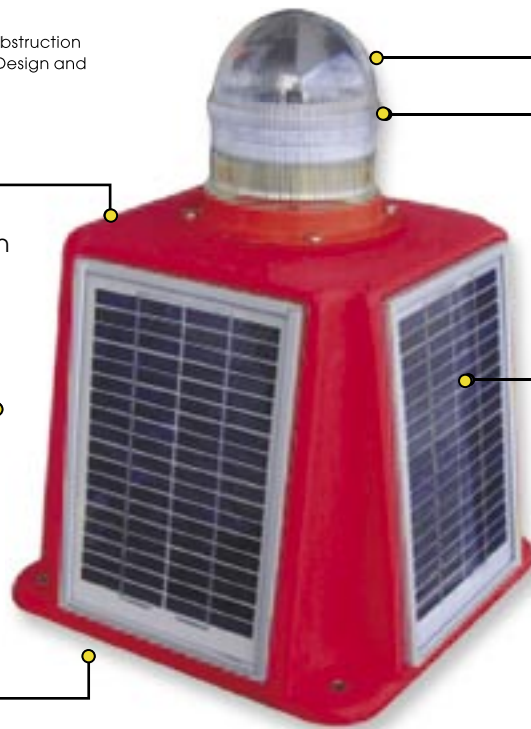
## CERTIFICATIONS

AVC300 Solar Obstruction Light  
Meets requirements of Low Intensity Type A Obstruction Light, ICAO Annex 14 volume 1, "Aerodrome Design and Operations", Forth edition July 2004.

Rotationally moulded UV stabilized virgin polyethylene body, in high visibility colors

Complete unit- ready for immediate installation

Internal 7.5Ah battery



20 LED light head

Lens designed specifically for use with LEDs

4 x 2watt multicrystalline solar modules, ensuring maximum light collection to charge the battery

**The AVC300 self-contained LED light is designed to suit a range of aviation and general applications including airfield, caution, obstruction and threshold lighting.**

The light boasts a large internal 316-grade stainless steel battery compartment, a 20 LED flasher unit, and 4 premium-grade solar modules mounted to collect sunlight at all angles. This model is particularly suited to low latitude regions such as the United Kingdom, and Northern Europe and America.

The AVC300 is moulded from UV stabilized virgin polyethylene, providing enormous impact and weather resistance, in addition to high visibility colors, and is available with an optional mounting plate.



AVC300 with optional mounting plate



# AVC300 Series Solar Aviation Lighting



## AVC300-W

### Solar Airstrip Light

The AVC300-W is a white light designed to temporarily mark airstrip edges.



## AVC300-Y

### Solar Caution Light

Avlite's AVC300-Y is a yellow lantern used for airfield caution marking such as temporary construction sites.



## AVC300-R

### Solar Obstruction Light

The AVC300-R is a red solar obstruction light used to mark airfield barricades including fences, buildings, towers and radar installations.



## AVC300-R/G

### Solar Threshold Light

The AVC300-R/G incorporates a unique 180 degree red and 180 degree green sectored LED arrangement to ensure reliable marking at the end of airstrips. Red and green reflective tape is placed around the light designating each sector and further enhancing visibility.



# AVC300 Series Solar Aviation Lighting



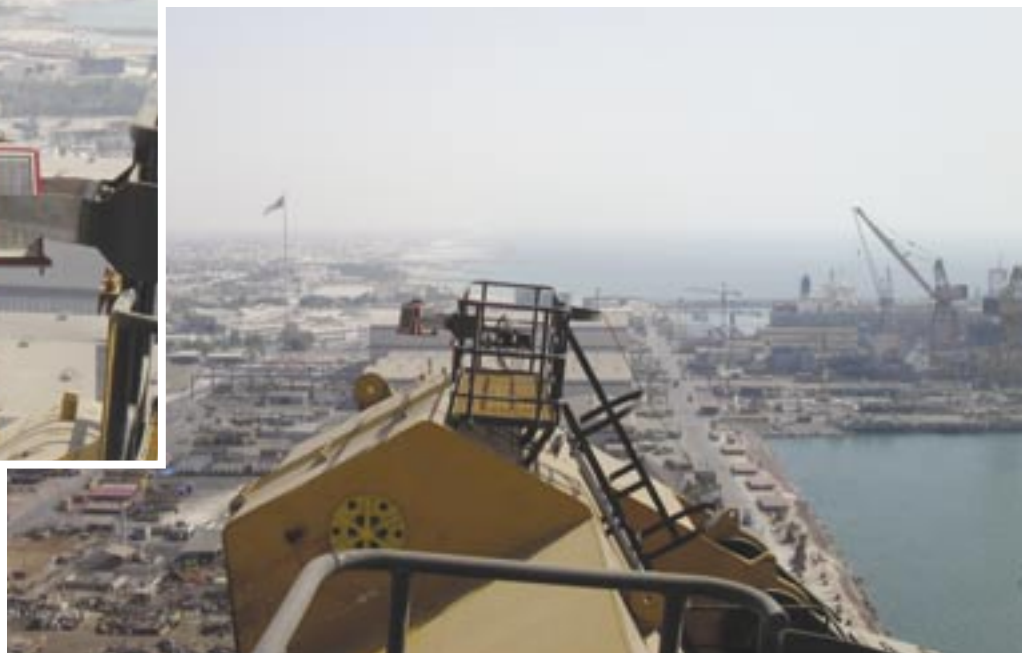
CERTIFICATIONS  
AVC300 Solar Obstruction Light  
Meets requirements of Low Intensity Type A Obstruction  
Light, ICAO Annex 14 volume 1, "Aerodrome Design and  
Operations", Forth edition July 2004.



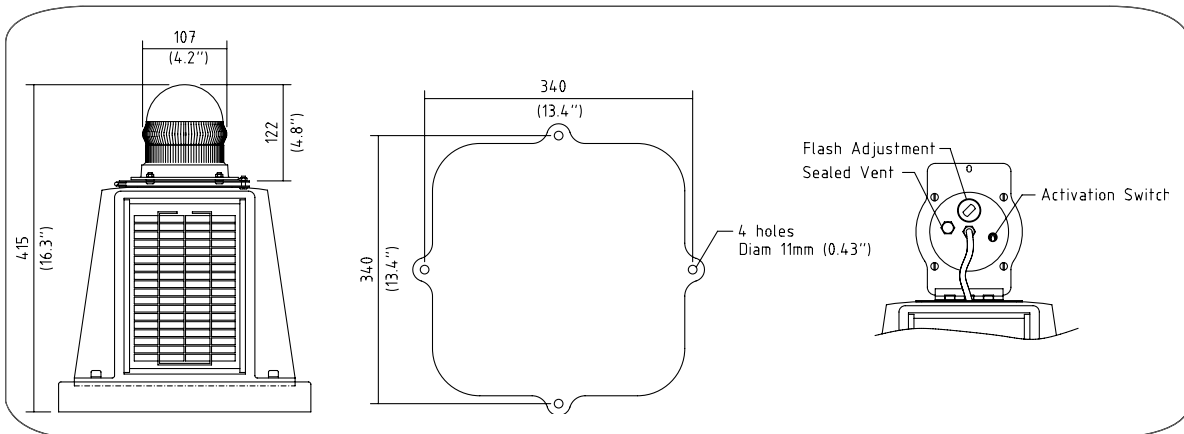
The swinging arm of this custom designed and engineered mounting bracket enables automatic light adjustment to the crane movement, thus ensuring omni-directional light output remains in line with the horizontal plane.



Crane obstruction  
lights, Dubai, United  
Arab Emirates



# AVC300 Series Solar Aviation Lighting



## SPECIFICATIONS •

### Light Characteristics

Light Source	20 ultra-high intensity LEDs
Light Color	Red, Green, White, Yellow
Intensity	>12cd (steady on)
Horizontal Output	360 degrees
Vertical Divergence	9 degrees
Flash Settings	Available in a variety of flash settings including steady-on
Lamp Life	100,000 hours

### Electrical Characteristics

Circuit Protection	Reverse polarity
Operating Voltage	12v
Autonomy	5 days

### Solar

Solar Module Type	Polycrystalline
Output	8watt (4 x 2watt)

### Power Supply

Battery Type	SLA (Sealed Lead Acid)
Battery Capacity	7.5Ah
Battery Voltage	12v

### Physical Characteristics

Body Material	U.V.-stabilised polyethylene
Lense Material	U.V.-stabilised polycarbonate
Mounting	200mm OD base mounting bracket
Height (cm/inches)	41.5/16.3
Width (cm/inches)	34/13.4
Mass (Kg/lbs)	8/17.6

### Certifications

CE	EN61000-6-3:1997, EN61000-6-1:1997
Quality Assurance	ISO9001:2000

### Intellectual Property

Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	AVLITE is a trademark of Avlite Systems



• Specifications subject to change or variation without notice