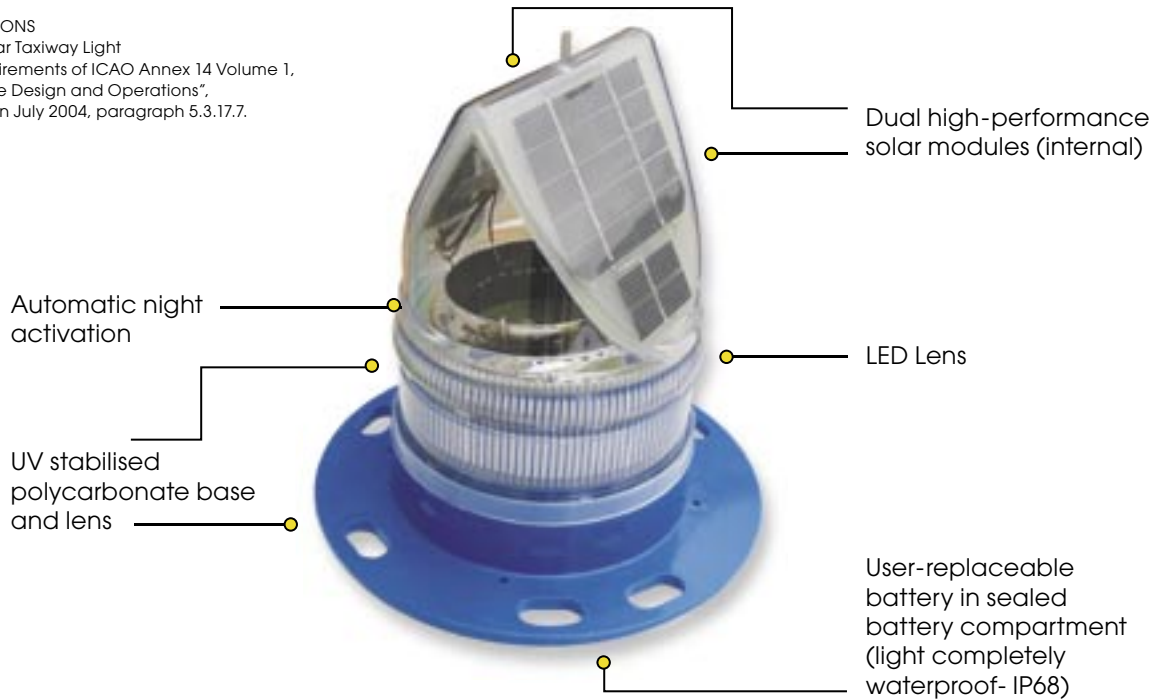


# AV70 Series Solar Aviation Lighting



**CERTIFICATIONS**  
 AV70-B Solar Taxiway Light  
 Meets requirements of ICAO Annex 14 Volume 1,  
 "Aerodrome Design and Operations",  
 Forth edition July 2004, paragraph 5.3.17.7.



**The solar powered AV70 offers enormous benefits over traditional battery and hard wired airfield lights including low maintenance and no underground wiring.**

These completely self-contained LED lights are designed to suit a range of aviation and general applications including airstrip, caution, taxiway, and threshold lighting.

Major features of interest include award-winning lens design, dual high-performance internal solar modules, and internal photodiode for automatic night activation, all designed to ensure reliable operation even in low sunlight conditions. Low installation costs and zero maintenance (LED technology) also create considerable cost-savings.

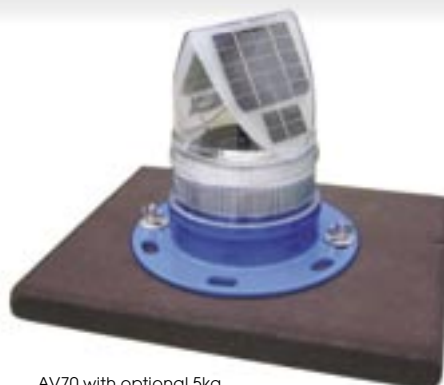
The AV70 is available with voltage-free contact for remote monitoring, as well as non-slip tile.



Rio Tinto mining project installation, Weelumurra Airstrip, Western Australia.



Avlite donates AUD\$20 from the sale of each AV60 and AV70 light within Australia to the Royal Flying Doctors Service of Australia.



AV70 with optional 5kg non-slip rubber tile.



Solar powered temporary airstrip lighting, Loxton Council Airport, South Australia.

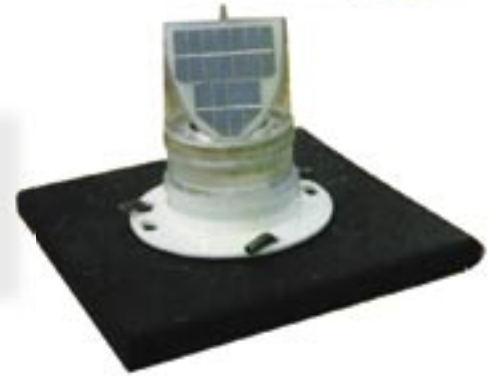




## AV70-W

### Solar Airstrip Light

The AV70-W is a white light designed to temporarily mark airstrip edges.



## AV70-Y

### Solar Caution Light

The AV70-Y is a yellow light used for airfield caution marking such as temporary construction sites.



## AV70-B

### Solar Taxiway Light

The AV70-B is a solar-powered omni-directional LED taxiway edge light independently certified to conform to ICAO requirements.

Being a portable solar-powered stand-alone unit, the AV70-B provides years of zero maintenance service.

The AV70-B incorporates a band of blue reflective tape for increased night-time visibility.



## AV70-R/G

### Solar Threshold Light

Avlite's solar threshold light incorporates a unique 180° red and 180° green sectored LED arrangement to ensure reliable marking at the end of airfield airstrips. Red and green reflective tape is placed around the end of the light designating each sector and further enhancing visibility.



### CERTIFICATIONS

AV70-B Solar Taxiway Light  
Meets requirements of ICAO Annex 14 Volume 1,  
"Aerodrome Design and Operations",  
Forth edition July 2004, paragraph 5.3.17.7.



AV70 available with  
optional mounting plate

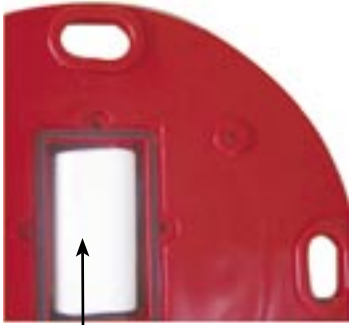


AV70-B model being tested by FAA  
for "Remote Airfield Lighting".  
New Jersey testing facility (USA)

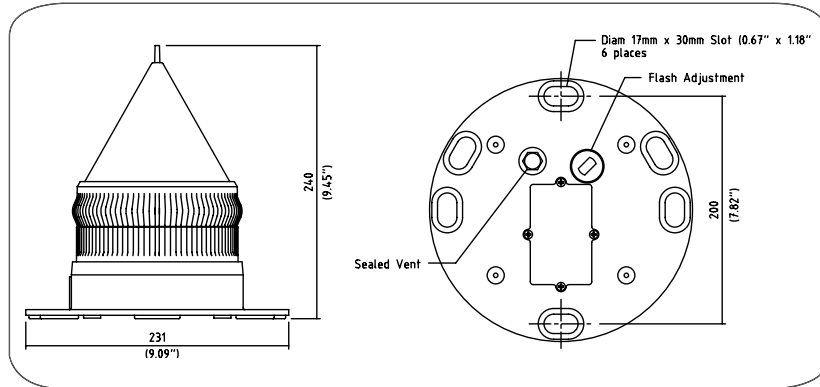


Solar powered emergency  
airfield lights, RFDS Charleville  
Base, QLD Australia

# AV70 Series Solar Aviation Lighting



Dual battery pack accessed via sealed compartment



## SPECIFICATIONS •

### Light Characteristics

Light Source	12 ultra-high intensity LEDs
Light Color	Red, Green, White, Yellow, Blue
Intensity	>4cd (steady-on)
Horizontal Output	360 degrees
Vertical Divergence	1 to 6deg (el. 3.5)
Flash Settings	Available in a variety of flash settings including steady-on
Lamp Life	100,000 hours

### Electrical Characteristics

Current Draw	40mA
Circuit Protection	Integrated
Operating Voltage	3.6v
Autonomy	8 days

### Solar

Solar Module Type	Multicrystalline
Output	2.2watt

### Power Supply

Battery Type	Environmentally friendly NiMH (Nickel Metal Hydride)
Battery Capacity	8Ah
Battery Voltage	3.6v

### Physical Characteristics

Body Material	U.V. stabilised LEXAN polycarbonate
Lense Material	U.V. stabilised / optical grade LEXAN polycarbonate
Mounting	200mm OD bolt pattern
Height (cm/inches)	24/9.45
Width (cm/inches)	23.1/9.09
Mass (Kg/lbs)	1.1 / 2.3

### Certifications

CE	EN61000-6-3:1997, EN61000-6-1:1997
Quality Assurance	ISO9001:2000
Waterproof	IP68

### 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