

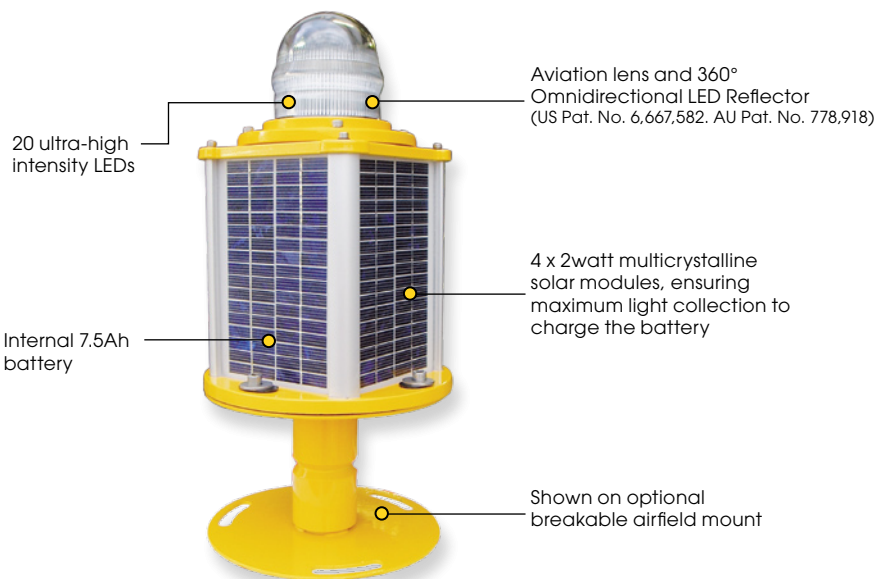
AVC310 Solar Aviation Light

Typical Applications

- Solar Airstrip Light
- Solar Caution Light
- Solar Threshold Light
- Solar Obstruction Light

Major Benefits

- 5.4km visible range (flashing)
- Integrated solar/battery system
- 4 x 2watt solar modules
- IP68 water and dust proof
- 7.5Ah SLA battery (user-replaceable)



The AVC310 is a robust, completely self-contained solar-powered LED aviation light, designed for a range of installations including strategic and remote runway edge lighting, and obstruction lighting.

Incorporating the latest LED technology, the AVC310 provides up to 12 years of reliable service – no more globes to change!

The unit is made from cast aluminum, subject to 7-stage powder-coating in high visibility colours for daytime recognition. Four premium-grade solar modules are integrated into the assembly and mounted to collect sunlight at all angles.

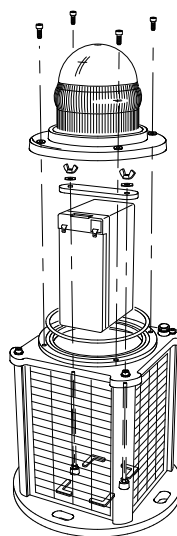
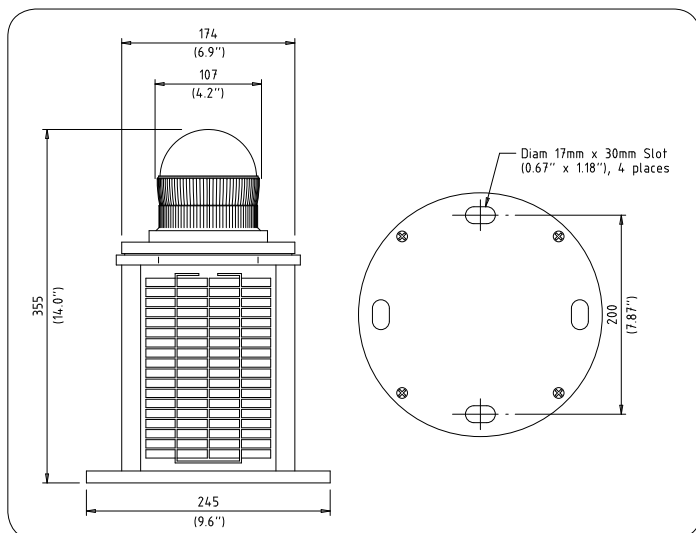
The solar array charges an internal 7.5Ah battery during daylight hours, and at dusk the light will automatically begin operation.

The unit can be supplied in varying colour outputs to suit applications including runway edge lighting (white) and threshold marking (red/green sectored).

The tough polycarbonate aviation lens is specifically designed for use with LEDs to maximize light intensity and uniformity.

For defence applications the unit is also available in infrared (IR).





Convenient user-replaceable battery

SPECIFICATIONS •

Light Characteristics

Light Source	20 ultra-high intensity LEDs
Available Colours	Red, Green, White, Yellow, Amber, Blue, Sectored Combinations
Peak Intensity (cd)	>25 flashing, >10 fixed-on (colour dependent)
Visible Range (nm)	>3 flashing, >2 fixed-on
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	0 to +10
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Available Flash Characteristics	>250 including fixed-on (user-adjustable)
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000

Electrical Characteristics

Current Draw (mA)	120
Circuit Protection	Integrated
Operating Voltage (V)	12
Autonomy (days)	>20 (14 hour darkness, 12.5% duty cycle)
Temperature Range	-40 to 80 °C

Solar Characteristics

Solar Module Type	Multicrystalline
Output (watts)	8 (4 x 2 watt)
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled

Power Supply

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

Physical Characteristics

Body Material	7-stage powder-coated aluminum
Lens Material	LEXAN® Polycarbonate - UV stabilized
Lens Diameter (mm/inches)	107 / 4 ¹ / ₄
Lens Design	External optics with interior flute design
Mounting	4 x 17mm holes on 200mm PCD
Height (mm/inches)	355 / 14
Width (mm/inches)	245 / 9 ² / ₃
Mass (kg/lbs)	6.4 / 14 ¹ / ₈
Product Life Expectancy	Up to 12 years

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 registered trademark of Avlite Systems

Warranty

Full 3 year warranty

Options Available

- IR

CE

• Specifications subject to change or variation without notice