

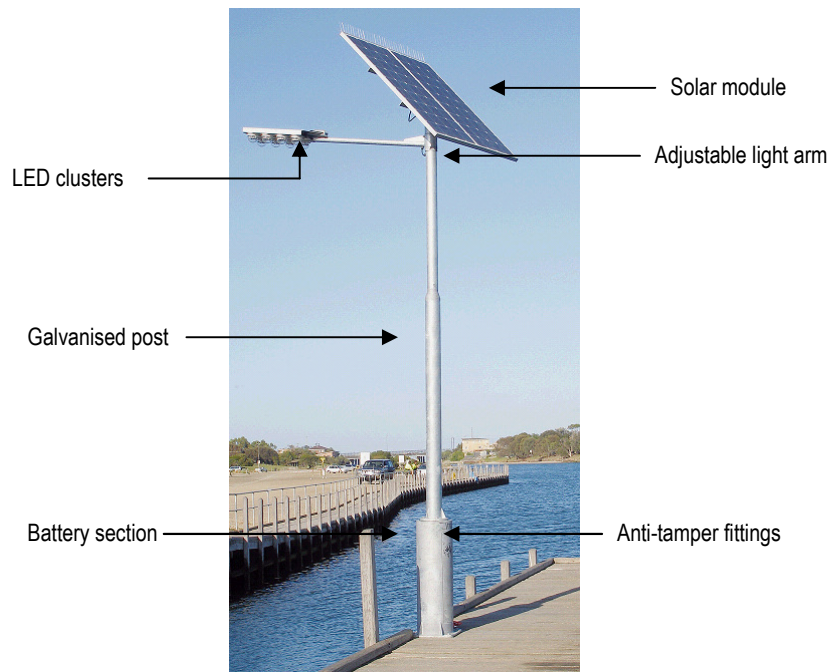
## AV09 SAL Solar Area Light

### Typical Applications

- ▶ Solar LED Area Light

### Major Benefits

- ▶ Integrated solar/battery system
- ▶ 2 x 110watt solar modules (standard)
- ▶ 2 x 55Ah SLA batteries (standard) in vandal resistant battery enclosure



**Avlite's state of the art Solar LED Area Light provides users with the perfect solution for lighting remote locations such as shelters, car parks and maintenance areas where connection to power grids is not feasible.**

The assembly uses the latest technologies in Light Emitting Diodes (LEDs) as a light source, and provides excellent illumination over a wide projected area.

The light assembly can be configured for local requirements, and can feature up to 2x100 watt solar panels and 8 domed LED cluster—providing excellent area illumination. The complete assembly includes the latest in multicrystalline solar cell technology, weather resistant galvanized mounting pole and two 55Ah SLA batteries housed in the base of the mounting post for ease of servicing after years of maintenance-free operation.

Each domed LED cluster features a 3watt surface-mounted ultra-high intensity LED, injection moulded UV stabilised LEXAN® polycarbonate dome lens and base and the latest advances in electronic and microcircuitry developments.

The light begins operation automatically, as soon as the ambient light threshold drops sufficiently, and once installed requires minimal maintenance.

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**Total Turnkey Airport Solutions**

# AV09 SAL Solar Area Light

## SPECIFICATIONS

### Light Characteristics

Light Source Up to 8 LED clusters in LEXAN® domed luminaires  
 Light Spread Approx 120 degrees  
 LED Life Expectancy (hours) >100,000

### Electrical Characteristics

Current Draw (Ah) 2  
 Circuit Protection Integrated  
 Operating Voltage (v) 12  
 Operation without sunlight 6 (autonomy days)  
 Temperature Range -40 to 80°C

### Solar Characteristics

Solar Module Type Multicrystalline  
 Output (watts) Up to 220 (2 x 110 watt solar)  
 Solar Module Efficiency (%) 14  
 Charging Regulation Integrated charge regulator

### Power Supply

Battery Type SLA (Sealed Lead Acid)  
 Battery Capacity (Ah) 110 (2 x 55Ah batteries). Other options available on request.  
 Nominal Voltage (v) 12

### Physical Characteristics

Body Material Mild steel, hot-dipped galvanised  
 Lens Material LEXAN® Polycarbonate—UV stabilised  
 Mounting 4 x 22mm holes  
 Height (mm/inches) 5340 / 210¼  
 Mass (kg/lbs) 245 / 539  
 Product Life Expectancy Up to 12 years

### Certification

CE EN61000-6-3:1977. EN61000-6-1:1997  
 Quality Assurance ISO 9001:2000

### Intellectual Property

Trademarks Avlite® is a registered trademark of Avlite Systems

### Warranty

Full 1 year warranty

### Options Available

GSM monitoring  
 Battery capacity

CE

\*Specifications subject to change or variation without notice

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