

AV09-SAL Solar LED Area Light

Typical Applications

- Solar LED Area Light

Major Benefits

- Solar-powered
- No globes (LED technology)
- Independent from mains power
- Vandal-resistant battery enclosure
- Swing light-arm to allow custom light distribution during installation
- Adjustable ON time from 1 hour to dusk to dawn



Streamlined design with 3watt directional surface-mounted LEDs



5 domed LEXAN® luminaires each containing 1x 3watt ultra-high intensity surface-mounted LED for optimal area illumination (>120 degrees)

140watt multicrystalline solar module

Adjustable light arm

Galvanised post

Anti-tamper fittings

Battery section

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 unfeasible.

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

The light assembly can be configured to suit a range of local requirements, with the standard model featuring a 140watt multicrystalline solar panel and 5 domed LED luminaires. The weather resistant galvanised mounting pole securely houses the 2x 55Ah SLA batteries and 10Amp regulator in it's base 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 stabilized 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.

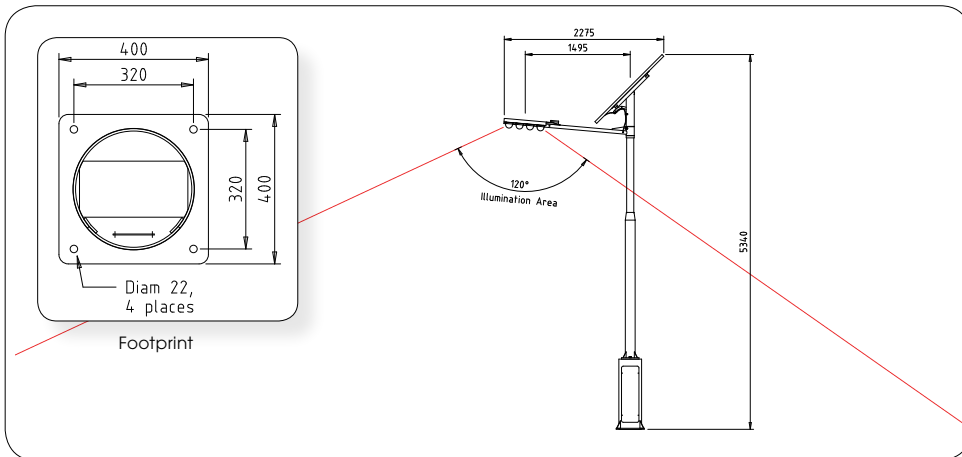
Patterson River boat launching ramp, Australia



AVLITE SYSTEMS

11 Industrial Drive
Somerville Victoria 3912 Australia
Ph: +61 (0)3 5977 6128 Fax: +61 (0)3 5977 6124
Web: www.avlite.com Email: info@avlite.com





SPECIFICATIONS •

Light Characteristics

Light Source

5 domed LEXAN® luminaires each containing 1x 3watt ultra-high intensity surface-mounted LED

Light Spread

Approx. 120 degrees

LED Life Expectancy (hours)

>100,000

Electrical Characteristics

Current Draw (Ah)

1.15 (nominal)

Circuit Protection

Integrated

Nominal Voltage (v)

12

Operation without sunlight (autonomy days)

6

Temperature Range

-40 to 80°C

Solar Characteristics

Solar Module Type

Multicrystalline

Output (watts)

140watt

Solar Module Efficiency (%)

14%

Charging Regulation

Integrated charge regulator

Power Supply

Battery Type

SLA (Sealed Lead Acid)

Battery Capacity (Ah)

110Ah (2 x 55Ah batteries). Other options available on request

Nominal Voltage (v)

12

Physical Characteristics

Body Material (Domed Luminaire)

LEXAN® Polycarbonate - UV stabilised

Lens Material

LEXAN® Polycarbonate - UV-stabilised

Body Material (Post)

Mild steel (hot-dipped galvanised)

Mounting

4 x 22mm holes

Height (mm/inches)

7160 / 261 1/8

Mass (kg/lbs)

245 / 539

Product Life Expectancy

Up to 12 years

Certifications

CE

EN61000-6-3:1997. EN61000-6-1:1997

Quality Assurance

ISO9001:2000

Intellectual Property

Trademarks

AVLITE® is a registered trademark of Avlite Systems

Warranty *

1 year

Options Available

- Remote monitoring capabilities (GSM cell-phone)
- Battery capacity
- Carbon saving data (GSM cell-phone to web data base)

CE

• Specifications subject to change or variation without notice

Area Lighting, Rye Foreshore, Australia

