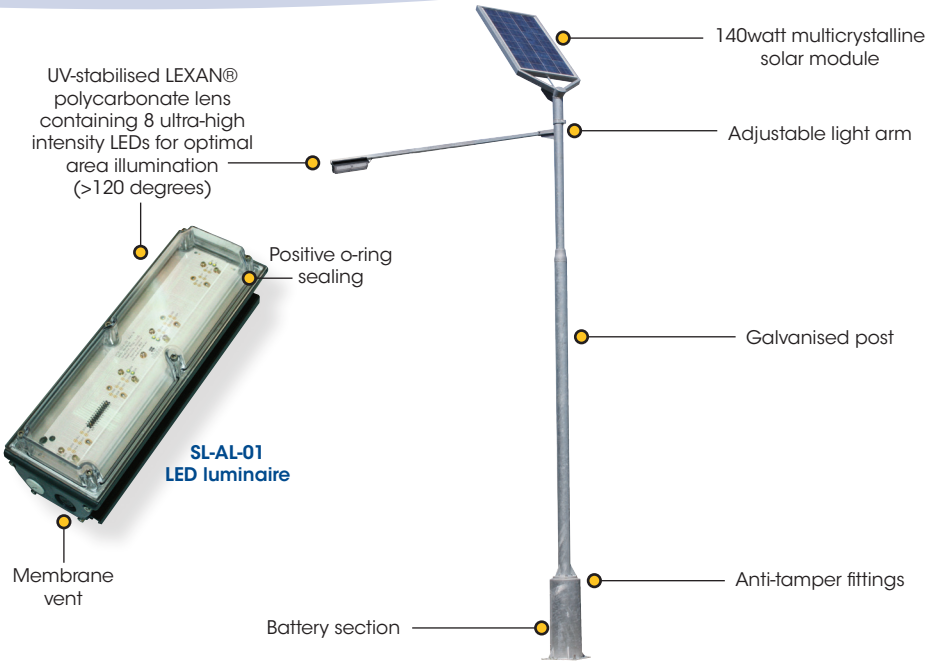
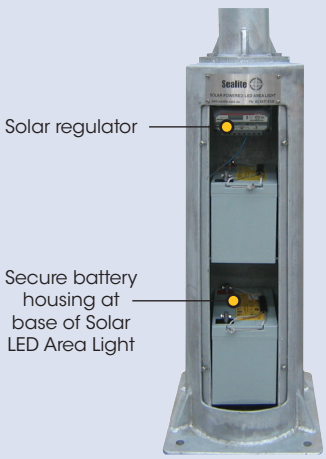
# SL-SAL-01
## Solar Area Light

V1_2014




## The Sealite Advantage

- **Solar powered**
- **Independent from mains power**
- **Uses state-of-the-art high performance power LEDs**
- **Toughened polycarbonate lens to withstand harsh environmental conditions & vandalism**
- **Designed to meet cyclonic conditions**
- **Adjustable ON time from 1 hour to dusk-till-dawn**
- **Waterproof light head, rated IP68**
- **Vandal-resistant battery enclosure**
- **50,000 hour rated LEDs**




**Sealite's state-of-the-art Solar LED Area Light provides users with the perfect solution for lighting remote locations such as boat launching ramps, shelters, car parks and maintenance areas where connection to the power grid is unfeasible.**

The SL-SAL-01 Solar LED Area Light sets a new standard in energy efficiency and light output.

Each LED bank is driven by high efficiency LED drivers maximising light output and LED life. The intensity is maintained at a constant level over various voltage shifts.

The light uses a 140watt multicrystalline solar panel, and Sealite's unique SL-AL-01 LED luminaire.

The light head body is constructed from extruded aluminium with injection-moulded UV-stabilised LEXAN® polycarbonate glass-filled end caps for superior strength and durability. The injection-moulded LEXAN® lens is fitted to the aluminium body with a marine grade o-ring ensuring a superior sealing (IP68 waterproof).

The weather resistant galvanised mounting pole securely houses the two 55Ah SLA batteries and 10Amp regulator in its base for ease of servicing after years of maintenance-free operation.

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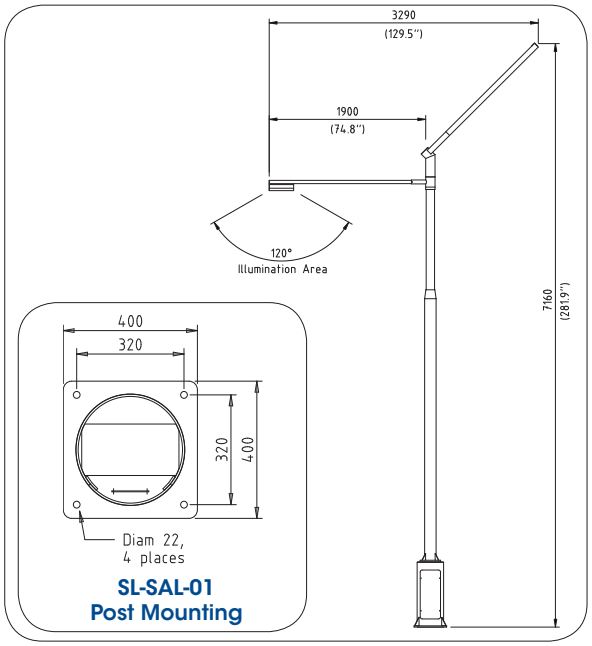
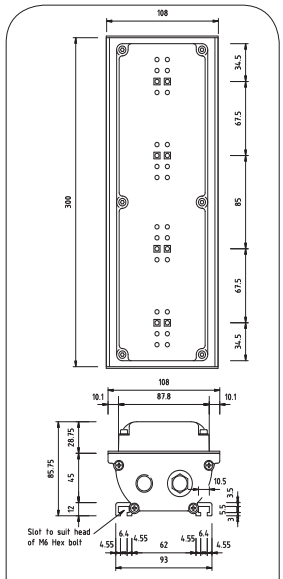



**SL-SAL-01**
**Post Mounting**




**SL-AL-01**
**Light Head**

| SPECIFICATIONS • * | SL-SAL-01 |
|---|---|
| **Light Characteristics** | |
| Light Source | 8 ultra-high intensity white (warm daylight) LEDs |
| LED Life Expectancy (hours) | >50,000 |
| **Photometry** | |
| Total Luminous Flux (lm) | 1360 |
| Luminous Efficiacy (lm/W) | 69.7 |
| **Electrical Characteristics** | |
| Voltage (V) | 12 |
| Current (A) | 1.6 |
| Power (W) | 20 |
| Circuit Protection | Integrated |
| Temperature Range | -40 to 55°C |
| **Spectral Characteristics** | |
| CIE 1931 2 deg observer (x,y) (1) | (0.312, 0.336) |
| CIE 1976 2 deg observer (u',v') (1) | (0.195, 0.472) |
| Correlated Colour Temperature(1) | 6500 K |
| Colour Rendering Index(1) | 71 |
| Colour Spatial Uniformity(2) | 0.0207 |
| **Solar Characteristics** | |
| Solar Module Type | Multicrystalline |
| Output (watts) | 140W |
| Charging Regulation | Integrated charge regulator |
| **Power Supply** | |
| Battery Type | SLA (Sealed Lead Acid) |
| Battery Capacity (Ah) | 110Ah (2 x 55Ah batteries) |
| Nominal Voltage (V) | 12 |
| Operation without sunlight (autonomy nights) | 5 nights (typical) |
| **Physical Characteristics** | |
| Body Material (light head) | Extruded aluminium chassis with LEXAN® polycarbonate glass filled end caps - UV-stabilised |
| Lens Material (light head) | LEXAN® Polycarbonate – UV stabilised |
| Mounting (light head) | Adjustable along 78mm parallel channels |
| Height (light head) (mm/inches) | 85 / 3 3/4 |
| Width (light head) (mm/inches) | 108 / 4 1/4 |
| Length (light head) (mm/inches) | 300 / 11 7/8 |
| Mass (light head) (kg/lbs) | 1.5 / 3.3 |
| Body Material (post) | Mild steel (hot-dipped galvanised) |
| Mounting (post) | 4 x 22mm holes |
| Height (complete assembly) (mm/inches) | 7160 / 281 7/8 |
| Mass (complete assembly) (kg/lbs) | 250 / 551 |
| Product Life Expectancy | Up to 12 years |
| **Certifications** | |
| CE | EN61000-6-3:1997. EN61000-6-1:1997 |
| Quality Assurance | ISO9001:2008 |
| **Intellectual Property** | |
| Trademarks | SEALITE® is a registered trademark of Sealite Pty Ltd |
| **Warranty *** | 3 year |
| **Options Available** | • Dual arm assembly |

CE

• Specifications subject to change or variation without notice
* Subject to standard terms and conditions
(1) Value is computed from the weighted average of the spatial measurements
(2) Value is the maximum deviation of the spatial u' and v' measurements from the weighted average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