Sealite’s state-of-the-art outdoor LED luminaire provides users with the perfect solution for lighting remote locations such as shelters, car parks and maintenance areas.

Sealite has created a unique luminaire housing eight state-of-the-art, high-performance, power LEDs for optimal area illumination. 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 luminaire 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 superior sealing. The SL-AL-01 outdoor LED luminaire has an ingress protection rating of IP68 ensuring that internal electronics are completely sealed and protected from water intrusion and dust when installed in the toughest environmental situations.

The custom designed aluminium extrusion is interfaced with a thermal LED substrate to reduce the build up of internal temperatures. This prevents excess heat from LED operation and external temperatures combining to create unwanted stresses on electronic and mechanical components. A membrane vent is used to equalise pressure in the light to that of atmospheric pressure, this permits improved protection of electrical components by reducing any pressure build-up on the sealing.

Tribunna, Tasmania, Australia

The Sealite Advantage

- Uses state-of-the-art high performance power LEDs
- Toughened polycarbonate lens to withstand harsh environmental conditions & vandalism
- Waterproof light head, rated IP68
- 50,000 hour rated LEDs

Sealite's state-of-the-art outdoor LED luminaire provides users with the perfect solution for lighting remote locations such as shelters, car parks and maintenance areas.
12V Outdoor Luminaire
SL-AL-01

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

SPECIFICATIONS**

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 Efficiency (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): 0.312, 0.336
- CIE 1976 2 deg observer (u’,v’): 0.195, 0.472
- Correlated Colour Temperature: 6500 K
- Colour Rendering Index: 71
- Colour Spatial Uniformity: 0.0207

Physical Characteristics
- Body Material: Extruded aluminium chassis with LEXAN® polycarbonate glass filled end caps - UV-stabilised
- Lens Material: LEXAN® Polycarbonate – UV stabilised
- Mounting: Adjustable along 78mm parallel channels
- Height (mm): 300 / 11 7/8
- Width (mm): 108 / 4 1/4
- Length (mm): 300 / 11 7/8
- Mass (kg): 1.5 / 3.3
- Product Life Expectancy: Up to 12 years
- Certifications: CE, IALA, IP68

Intellectual Property
- Trademarks: SEALITE® is a registered trademark of Sealite Pty Ltd

Warranty
- 3 year
- Setable Timer Light Control
- External ON/OFF Switch
- Momentary Button

Options Available
- Setable Timer Light Control
- External ON/OFF Switch
- Momentary Button

ZONAL LUMENS AND PERCENTAGES

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<th>Zone</th>
<th>Lumens</th>
<th>% Lamp</th>
<th>% Luminaire</th>
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Light Output Ratio = N/A