The SL-96 is a 4ft LED leading light offering greater visibility to the smaller SL-48 series.

The unit is available in 3 configurations utilising either single, dual, or triple row LED circuits as a light source.

The advanced circuitry of the SL-96 series comprise of a DC/DC converter, current control and automatic night activation.

The innovative, robust design of the SL-96 leading light ensures years of reliable, maintenance-free service. The unit is completely water, dust & rust proof, and vandal resistant.

The SL-96 body is made from extruded aluminium with injection-moulded UV-stabilised LEXAN® polycarbonate glass-filled end caps for superior strength and durability. Single, dual and triple row versions have the same body width.

Individual injection-moulded LEXAN® polycarbonate lenses are fitted to the aluminium body with a marine grade gasket ensuring a superior sealing (IP68 waterproof).

The aluminium housing features 2x channels/slots which run along the entire length of the base of the SL-96. This multi-mount design allows the 2x mounting brackets/feet to be positioned as required for complete installation flexibility.

The unit operates from a standard 8 – 20 volt power supply, and may be run from a mains powered system or with solar and battery backup in the event of power failure.

The SL-96 leading light is also available with hard-wire or GPS Synchronisation and GSM Remote Monitoring and Control capabilities. When leading lights flash in synchronisation, they can be clearly distinguished from other navails and confusing background lighting.

**The Sealite Advantage**

- Directional 4ft LED leading light
- 8 - 14.5+ nautical mile range
- Robust design ensures a complete seal suitable for extreme weather conditions
- 256 user-adjustable flash characteristics
- Adjustable intensity settings
- Operates in conjunction with existing or purpose-built power supplies
- Optional GPS Synchronisation & GSM Remote Monitoring
- IP68 waterproof
### SPECIFICATIONS

#### Light Characteristics

<table>
<thead>
<tr>
<th></th>
<th>SL-96-1</th>
<th>SL-96-2</th>
<th>SL-96-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Light Source</strong></td>
<td>100 ultra-high intensity LEDs</td>
<td>200 ultra-high intensity LEDs</td>
<td>300 ultra-high intensity LEDs</td>
</tr>
<tr>
<td><strong>Available Colours</strong></td>
<td>Red, Green, White, Yellow, Blue</td>
<td>Red, Green, White, Yellow, Blue</td>
<td>Red, Green, White, Yellow, Blue</td>
</tr>
<tr>
<td><strong>Typical Maximum Intensity (cd)</strong>†</td>
<td>Red - 8560 Green - 8050 White - 7950 Yellow - 7580 Blue - 1200</td>
<td>Red - 5680 Green - 8050 White - 7950 Yellow - 5080 Blue - 1200</td>
<td>Red - 8580 Green - 12050 White - 11900 Yellow - 7500 Blue - 1790</td>
</tr>
<tr>
<td><strong>Visible Range (NM)</strong></td>
<td>8-12+</td>
<td>9.5-13+</td>
<td>10.5-14.5+</td>
</tr>
<tr>
<td><strong>Horizontal Output (degrees)</strong></td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td><strong>Vertical Divergence (degrees)</strong></td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td><strong>Available Flash Characteristics</strong></td>
<td>Up to 256 IALA recommended (user adjustable)</td>
<td>Up to 256 IALA recommended (user adjustable)</td>
<td>Up to 256 IALA recommended (user adjustable)</td>
</tr>
<tr>
<td><strong>Intensity Adjustments</strong></td>
<td>User adjustable</td>
<td>User adjustable</td>
<td>User adjustable</td>
</tr>
<tr>
<td><strong>LED Life Expectancy (hours)</strong></td>
<td>&gt;100,000</td>
<td>&gt;100,000</td>
<td>&gt;100,000</td>
</tr>
</tbody>
</table>

#### Electrical Characteristics

<table>
<thead>
<tr>
<th></th>
<th>SL-96-1</th>
<th>SL-96-2</th>
<th>SL-96-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current Draw (mA)</strong></td>
<td>Red, Yellow - 1020 Blue, Green, White - 860</td>
<td>Red, Yellow - 2040 Blue, Green, White - 1720</td>
<td>Red, Yellow - 3060 Blue, Green, White - 2580</td>
</tr>
<tr>
<td><strong>Polarity protected</strong></td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td><strong>Nominal Voltage (V)</strong></td>
<td>12</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td><strong>Temperature Range</strong></td>
<td>-40 to 80°C</td>
<td>-40 to 80°C</td>
<td>-40 to 80°C</td>
</tr>
</tbody>
</table>

#### Physical Characteristics

<table>
<thead>
<tr>
<th></th>
<th>SL-96-1</th>
<th>SL-96-2</th>
<th>SL-96-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height (mm/inches)</strong></td>
<td>86 / 3.4</td>
<td>86 / 3.4</td>
<td>86 / 3.4</td>
</tr>
<tr>
<td><strong>Width (mm/inches)</strong></td>
<td>200 / 7.9 (including feet)</td>
<td>200 / 7.9 (including feet)</td>
<td>200 / 7.9 (including feet)</td>
</tr>
<tr>
<td><strong>Length (mm/inches)</strong></td>
<td>1260 / 49.6</td>
<td>1260 / 49.6</td>
<td>1260 / 49.6</td>
</tr>
<tr>
<td><strong>Mass (kg/lbs)</strong></td>
<td>7.4 / 16.1</td>
<td>7.6 / 16.3</td>
<td>7.8 / 17.1</td>
</tr>
</tbody>
</table>

#### Certifications

<table>
<thead>
<tr>
<th></th>
<th>SL-96-1</th>
<th>SL-96-2</th>
<th>SL-96-3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Quality Assurance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Waterproof</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Trademarks

- SEALITE® is a registered trademark of Sealite Pty Ltd
- SEALITE® is a registered trademark of Sealite USA, LLC
- SEALITE® is a registered trademark of Sealite United Kingdom Ltd

#### Warranty *

- 3 years
  - Power supplies/systems
  - Hardwire Synchronisation
  - GPS Synchronisation
  - GSM Remote Monitoring & Control Capabilities
  - AIS Remote Monitoring
  - Additional cable

#### Options Available

- Power supplies/systems
- Hardwire Synchronisation
- GPS Synchronisation
- GSM Remote Monitoring & Control Capabilities
- AIS Remote Monitoring
- Additional cable

---

*Specifications subject to change or variation without notice
*Subject to standard terms and conditions
†Intensity setting subject to solar availability

---

**Note:** addition of GSM monitoring increases the unit’s overall dimensions. Refer to installation manual for technical drawings

---

**Port Kembla, Australia**

**Rigby Island, Australia**

**Jervis Bay, NSW, Australia**
Sealite can provide a number of power supplies and accessories to suit their range of Leading Lights including:

**SL-LD-PS-40**
40watt Power Supply to suit leading light, includes:
- 1 x 40watt solar panel
- 1 x 55Ah battery
- Solar charge controller
- Weatherproof battery housing
- Lockable powder-coated battery box c/w 200mm bolt pattern mount - Type 2 series
- 16mm cable gland access

**SL-LD-PS-60**
60watt Power Supply to suit leading light, includes:
- 1 x 60watt solar panel
- 1 x 55Ah battery
- Solar charge controller
- Weatherproof battery housing
- Lockable powder-coated battery box c/w 200mm bolt pattern mount - Type 2 series

**SL-LD-PS-85**
85watt Power Supply to suit leading light, includes:
- 1 x 85watt solar panel c/w wall mounting bracket
- 1 x 55Ah batteries
- Solar charge controller
- Weatherproof battery housing
- Lockable powder-coated battery box c/w 200mm bolt pattern mount - Type 2 series
- 3mt cabling to solar module and fixtures

**SL-LD-PS-140**
140watt Power Supply to suit leading light, includes:
- 1 x 140watt solar panel c/w wall mounting bracket
- 1 x 100Ah battery
- Solar charge controller
- Weatherproof battery housing
- Lockable powder-coated battery box c/w 200mm bolt pattern mount - Type 2 series
- 3mt cabling to solar module and fixtures

Please Note:
System suitability will be affected by available solar levels and power settings of the Lead Lights. Refer to Sealite Power Calculator for details.