

5–12NM Solar Marine Lantern

SL-C500



The SL-C500 is a completely self-contained 5–12NM Solar LED Marine Lantern designed for a range of low-maintenance applications.

The light boasts a large internal battery compartment, a SL-155 Series LED light-head and 4 premium-grade 10 watt solar modules mounted to collect sunlight at all angles.

The SL-C500 is moulded from UV-stabilised, virgin polyethylene, providing enormous impact and weather resistance, in addition to high visibility IALA colours.

The user-friendly, 2-piece design allows the lantern to be opened for convenient battery inspection or replacement whilst the base remains fixed to the supporting structure.

Advanced PC or IR Programming

Sealite's convenient PC Configuration Tool or IR programmer allows a host of features to be user set including;

- Multiple intensity settings
- 310 flash settings including custom character
- Automatic effective intensity adjustment
- Adjustable on/off lux levels
- Low battery threshold
- GPS synchronisation offset
- Alarm conditions

Optional GPS Synchronisation

The SL-C500 may be fitted with an optional GPS module for flash synchronisation.

Optional GSM Monitoring & Control System

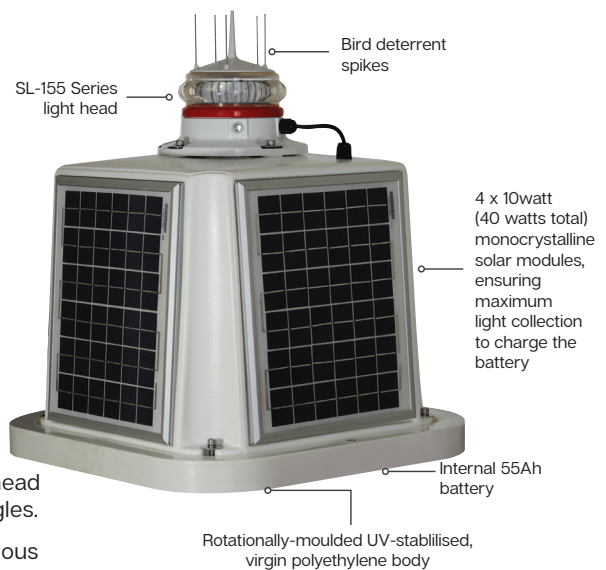
The SL-C500 lanterns may also be fitted with a GSM Cell-Phone Monitoring and Control System – enabling users to access real-time diagnostics data and change lantern settings via cell-phone. The system can also be configured to send out alarm SMS text messages to designated cellular telephone numbers. Users can also have alarms and reports sent to designated email addresses.

Optional Type 1 or Type 3 AIS

The SL-C500 lanterns are available with a class-leading integrated, low-powered Type 1 or Type 3 AIS.

When fitted, the AIS is encapsulated within the body of the SL-155 to maintain the weatherproof integrity.

Note: With integrated AIS, the lanterns visible range may be reduced. Please check the Sealite Solar Calculator for performance characteristics.



Reliable

- Up to 12NM visible range
- Multiple lens divergences for fixed or floating applications
- Complete unit – ready for immediate installation
- Impact & weather resistant polyethylene
- PC or IR Programmer for setup, diagnostic & testing

Technical Specifications*

SL-C500

Light Characteristics

| | |
|---|---|
| Light Source | SL-155-2.5D/5D/10D lantern |
| Available Colours | Red, Green, White, Yellow |
| Typical Maximum Intensity (cd) [†] | Refer to Typical Maximum Intensity Table for SL-155 Series Lanterns |
| Visible Range (NM) | AT @ 0.74: 5–12 AT @ 0.85: 6.3–17.4 |
| Vertical Divergence (degrees) | 2.5, 5 or 10 |
| Horizontal Output (degrees) | 360 |
| Available Flash Characteristics | Up to 310 including 256 IALA recommended, & 1 custom |
| Intensity Adjustments | User adjustable |
| LED Life Expectancy (hours) | >100,000 |

Electrical Characteristics

| | |
|-----------------------|--|
| Current Draw (mA) | Refer to Sealite Power Calculator |
| Power (W) | Refer to Sealite Power Calculator |
| Circuit Protection | Polarity protected |
| Nominal Voltage (VDC) | 12 |
| Autonomy (days) | >20 (14 hour darkness, 12.5% duty cycle) |
| Temperature Range | -40 to 80°C |

Solar Characteristics

| | |
|---------------------|---------------------------|
| Solar Module Type | Monocrystalline |
| Output (watts) | 40 (4 x 10watt) |
| Charging Regulation | Microprocessor controlled |

Power Supply

| | |
|-----------------------|---------|
| Battery Type | Gel SLA |
| Battery Capacity (Ah) | 55 |
| Nominal Voltage (V) | 12 |

Physical Characteristics

| | |
|---------------------------|--|
| Body Material | Rotationally-moulded UV-stabilised virgin polyethylene |
| Lens Material | UV-stabilised acrylic |
| Lens Diameter (mm/inches) | From 171 / 6 3/4 |
| Lens Design | Multi LED Optic |
| Mounting | 4 x 11mm mounting holes |
| Height (mm/inches) | From 675 / 26 1/2 |
| Width (mm/inches) | 560 / 22 |
| Mass (kg/lbs) | From 23 / 50.7 |
| Product Life Expectancy | Up to 12 years |

Certifications

| | |
|-------------------|--|
| CE | EN61000-6-3:1997. EN61000-6-1:1997 |
| IALA | Signal colours compliant to IALA E-200-1 |
| Quality Assurance | ISO9001:2015 |
| Waterproof | IP68 light-head |

Intellectual Property

| | |
|------------|---|
| Trademarks | SEALITE® is a registered trademark of Sealite Pty Ltd |
|------------|---|

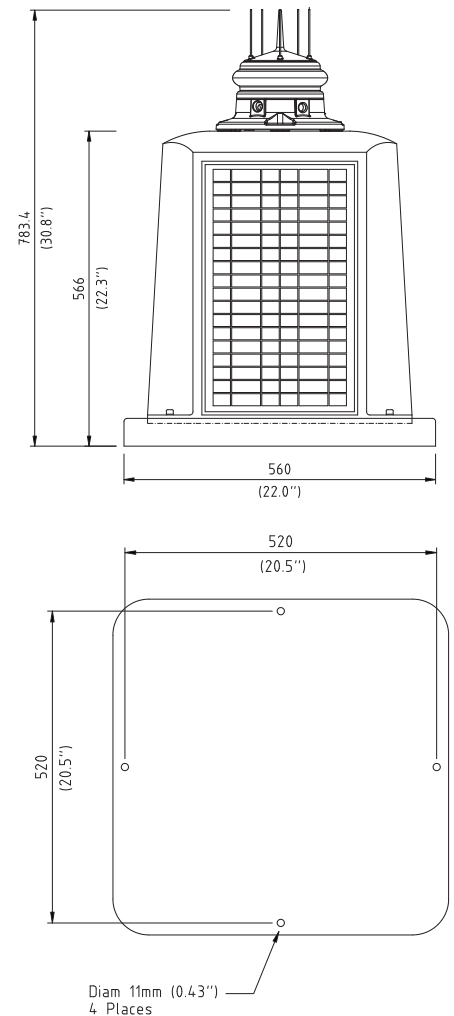
Warranty*

3-year warranty

Options Available

- SL-125 Series Lantern
- 200mm bolt pattern mounting plate
- GPS Synchronisation
- AIS Remote Monitoring
- GSM Monitoring & Control System
- RS232/422/485 Port
- General purpose inputs (2) & outputs (2)

Technical Illustration



We believe technology improves navigation™



Sealite Pty Ltd
Australia
☎ +61 (0)3 5977 6128

Sealite Asia Pte Ltd
Singapore
☎ +65 6829 2243

Sealite United Kingdom Ltd
UK
☎ +44 (0) 1502 588026

Sealite USA LLC
USA
☎ +1 (603) 737 1311

