SL-C500 Model

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.

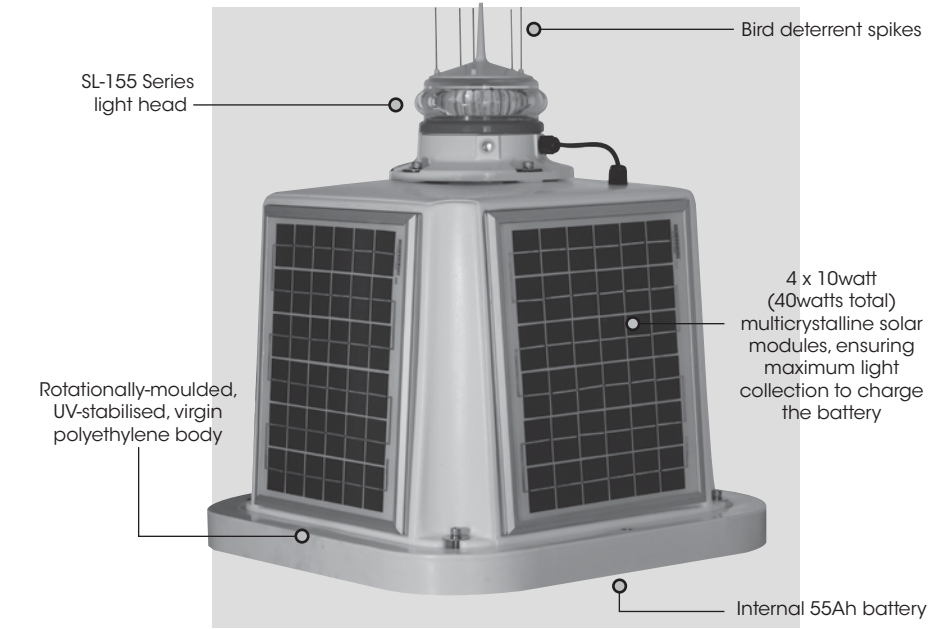
The SL-C500 is moulded from UV-stabilised, virgin polyethylene, providing enormous impact and weather resistance, in addition to high visibility IALA colours.

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



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
Horizontal Output (degrees)	0° - 360°
Vertical Divergence (degrees)	2.5°, 5° or 10°
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	Multicrystalline
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 / 6¾
Lens Design	Multiple LED optic
Mounting	4 x 11mm mounting holes
Height (mm/inches)	From 675 / 26½
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	ISO9001:2008
Waterproof	IP68 light-head
Intellectual Property	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd
Warranty *	3 years
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)

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

CE

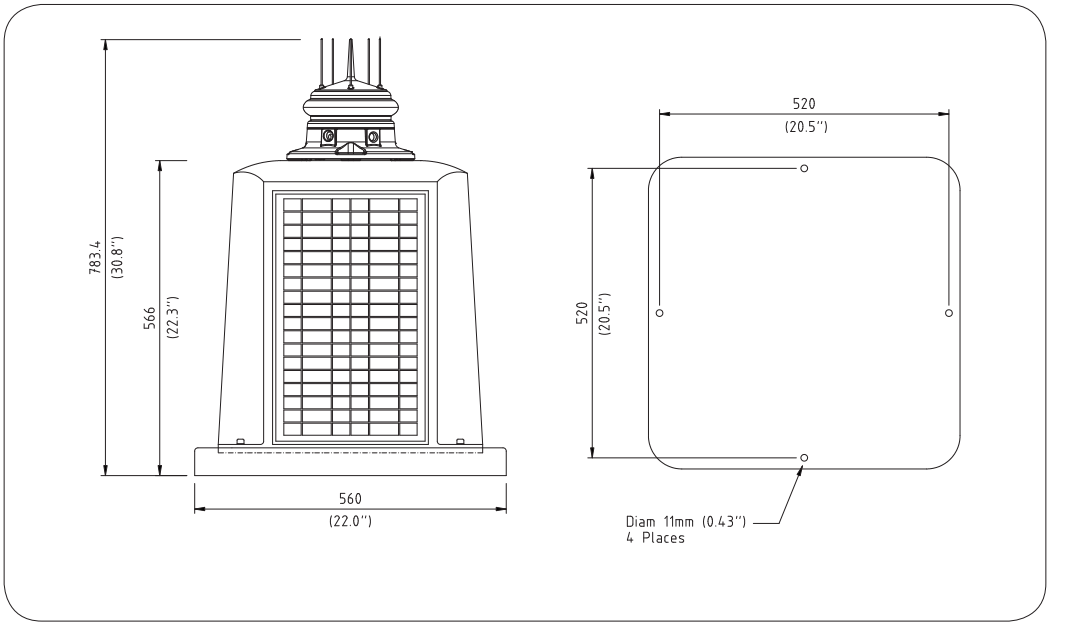


Figure 1. SL-C500