

SLC500

5-7nm+ Solar Marine Lantern

This equipment complies with requirements of the U.S. Coast Guard in 33 CFR part 66



Available with
GPS Synchronisation,
RF Synchronisation, Radio Control
or GSM Monitoring & Control

SL125-2 light-head
(72 ultra-high intensity
LEDs. IP68 rating)

High visibility
IALA colours for
daytime recognition

Rotationally-moulded,
UV-stabilised, virgin
polyethylene body

LED lens and Sealite's
360° Omnidirectional
LED Reflector
(US Pat. No. 6,667,582.
AU Pat. No. 778,918)

4 x 10watt
(40watts total)
multicrystalline solar
modules, ensuring
maximum light
collection to charge
the battery

Internal 55Ah battery

The Sealite Advantage

- Complete unit - ready for immediate installation
- Impact & weather resistant polyethylene
- 256 IALA flash patterns, user-adjustable without the need for external devices
- Tempered glass solar modules for peak efficiency
- Vertical light emissions to maintain visibility when passing adjacent to light

The SLC500 is a completely self-contained 5-7nm+ Solar LED Marine Lantern designed for a range of low-maintenance applications.

The light boasts a large internal battery compartment, a multiple tiered SL125 LED light-head and 4 premium-grade 10watt solar modules mounted to collect sunlight at all angles.

The SLC500 is moulded from UV-stabilised, virgin polyethylene, providing enormous impact and weather resistance, in addition to high visibility IALA colours.

The tough polycarbonate lens is specifically designed for use with LEDs, and incorporates an environment-friendly spike - deterring unwelcome bird life. The lens design also ensures that vessel operators clearly see the light from above, when passing the AtoN.

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.

Optional RF Synchronisation or GPS Synchronisation

The SLC500 may be fitted with an optional RF Synchronisation module for short range flash synchronisation. For flash synchronisation of lanterns installed over longer ranges, a GPS module may be fitted.

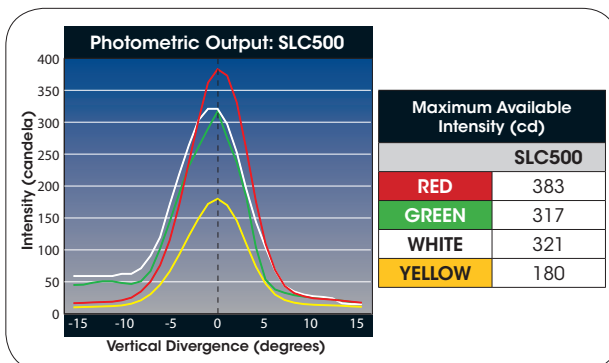
When lanterns flash in synchronisation they can be clearly distinguished from other nav aids and confusing background lighting - ideal for rivers, marina entrances, channel marking and aquaculture.

Optional GSM Monitoring & Control System

The SLC500 may also be fitted with GSM Remote Monitoring and Control - enabling users to access real-time diagnostics data and change lantern settings via cell-phone or PC interface.

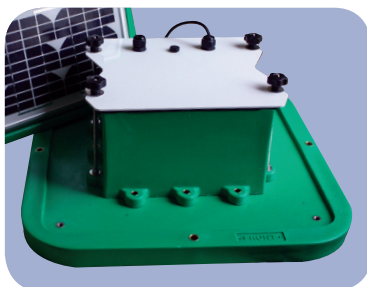
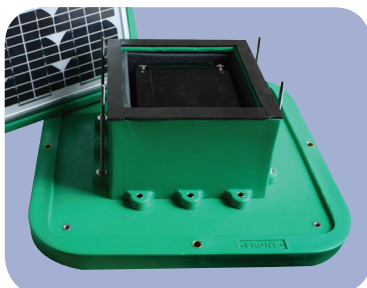
Optional Radio Control System

Radio Control may be fitted to the SLC500 model enabling users to remotely modify the setup of their lantern via handheld radio controller.

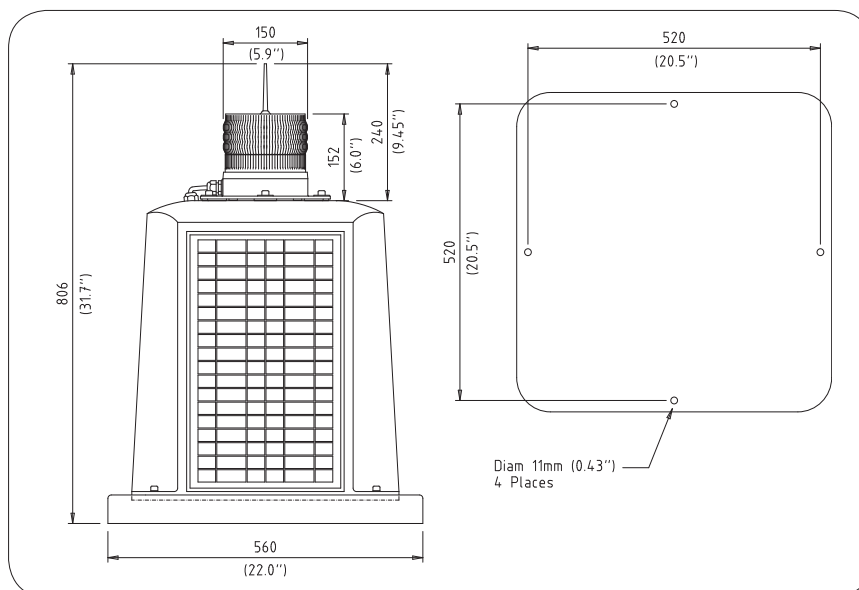


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5-7nm+ Solar Marine Lantern



Convenient battery replacement



SPECIFICATIONS •

Light Characteristics

Light Source
Available Colours
Maximum Available Intensity (cd)†
Visible Range (nm)
Horizontal Output (degrees)
Vertical Divergence (degrees)
Reflector Type

Available Flash Characteristics
Intensity Adjustments
LED Life Expectancy (hours)

Electrical Characteristics

Current Draw (mA)
Circuit Protection
Nominal Voltage (v)
Autonomy (days)
Temperature Range

Solar Characteristics

Solar Module Type
Output (watts)
Solar Module Efficiency (%)
Charging Regulation

Power Supply

Battery Type
Battery Capacity (Ah)
Nominal Voltage (v)
Battery Service Life

Physical Characteristics

Body Material
Lens Material
Lens Diameter (mm/inches)
Lens Design
Mounting
Height (mm/inches)
Width (mm/inches)
Mass (kg/lbs)
Product Life Expectancy

Certifications

CE
Quality Assurance
Waterproof

Intellectual Property

Patents
Trademarks

Warranty *

Options Available

SL125-2 (72 LED lantern as standard)
Red, Green, White, Yellow, Blue
Red - 383 Green - 317 White - 321 Yellow - 180
5-7+
360
9
Omnidirectional 360° LED Reflector
(US Pat. No. 6,667,582. AU Pat. No. 778,918)
Up to 256 IALA recommended (user adjustable)
Adjustable in 25% increments
>100,000

Refer to Sealite Power Calculator
Integrated
12
>30 (14 hour darkness, 12.5% duty cycle)
-40 to 80°C

Multicrystalline
40 (4 x 10watt)
14
Microprocessor controlled

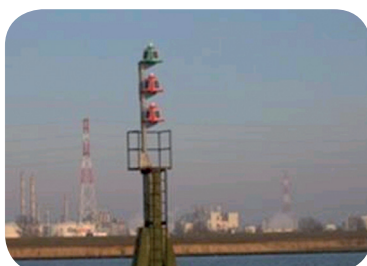
SLA (Sealed Lead Acid)
55
12
Average 5 years

Rotationally-moulded UV-stabilised virgin polyethylene
LEXAN® Polycarbonate - UV-stabilised
150 / 5 7/8
External optics with interior flute design
4 x 11mm mounting holes
806 / 31 3/4
560 / 22
35 / 77 1/8
Up to 12 years

EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2008
IP68 light-head

US Pat. No. 6,667,582. AU Pat. No. 778,918
SEALITE® is a registered trademark of Sealite Pty Ltd
3 years

- 200mm OD mounting plate
- GPS Synchronisation
- RF Synchronisation
- GSM Monitoring & Control System
- Radio Control System
- Note - remote monitoring/control will reduce visible range of lantern due to increased power consumption



Hard-wire Synchronised SLC500 lanterns, Monsanto, Belgium



SLC500 installed at Gladstone, Australia

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

