

SLC500

Compact 5-7nm+ Solar Marine Lantern

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



Available with GPS sync, RF comm-sync, radio control or GSM control

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

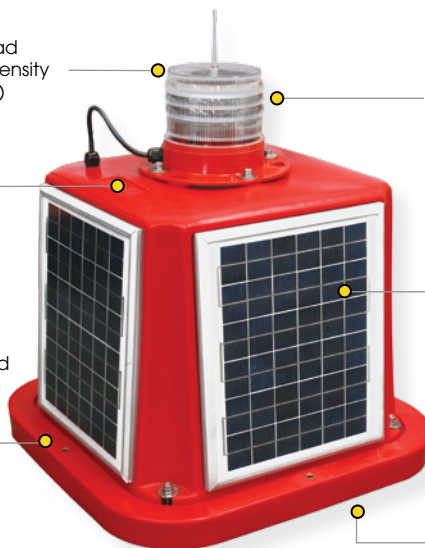
LED lens and Sealite's 360° Omnidirectional LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)

High visibility IALA colours

Rotationally-moulded UV-stabilised virgin polyethylene body

4x 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 Flash Synchronisation via RF Comm Sync (SLC500-CS) or GPS (SLC500-GPS)

The SLC500 may be fitted with optional comm sync RF module for short range flash synchronisation (SLC500-CS). For flash synchronisation of lanterns installed over longer ranges, a GPS module may be fitted (SLC500-GPS).

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.

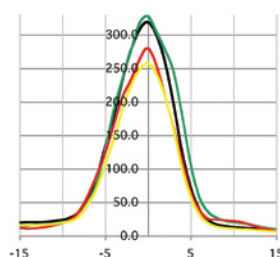
Optional GSM Remote Monitoring & Control (SLC500-GSM)

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

Optional Remote Radio Control (SLC500-RC)

Radio control may be fitted to the SLC500 model enabling users to remotely modify the setup of their lantern via handheld radio controller (SL-RC-2.4).

SLC500 Vertical Divergence



— SLC500.W
— SLC500.G
— SLC500.R
— SLC500.Y

Candela (cd)

SLC500	
R	280
G	328
W	319
Y	257



Head Office:
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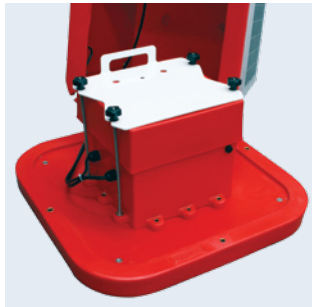
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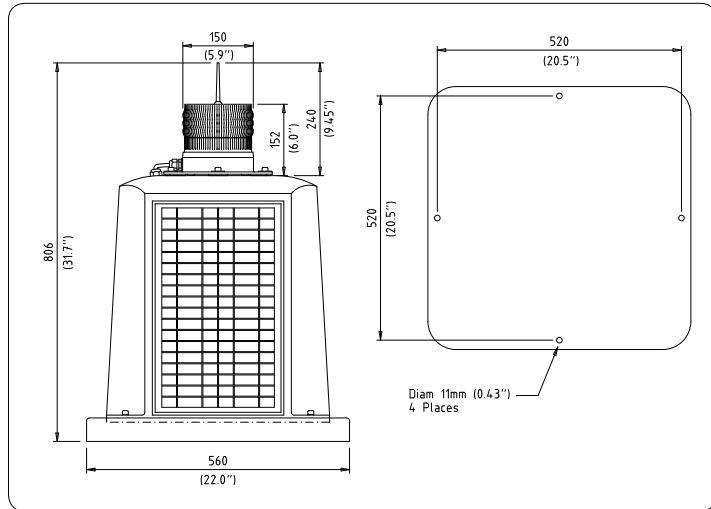
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SLC500

Compact 5-7nm+ Solar Marine Lantern



Convenient battery replacement



SPECIFICATIONS •



SLC600 installed at Gladstone, Queensland

Light Characteristics

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

SL125-2 (72 LED lantern as standard)
Red, Green, White, Yellow, Blue
Red - 280 Green - 328 White - 319 Yellow - 257
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

Available Flash Characteristics
Intensity Adjustments
LED Life Expectancy (hours)

Electrical Characteristics

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

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

Solar Characteristics

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

Multicrystalline
40 (4 x 10watt)
14
Microprocessor controlled

Power Supply

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

SLA (Sealed Lead Acid)
55
12
Average 5 years

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

Rotationally-moulded UV-stabilised virgin polyethylene
LEXAN® Polycarbonate - UV-stabilised
150 / 5⁷/₈
External optics with interior flute design
4 x 11mm mounting holes
806 / 31³/₄
560 / 22
35 / 77¹/₈
Up to 12 years

Certifications

CE
Quality Assurance
Waterproof

EN61000-6-3:1997. EN61000-6-1:1997
ISO9001:2000
IP68 light-head

Intellectual Property

Patents
Trademarks

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

Warranty*

Options Available

- 200mm OD mounting plate (MC/07)
- GPS (SLC500-GPS) or RF communication (SLC500-CS) synchronisation
- GSM (SLC500-GSM) or RF Radio (SLC500-RC) monitoring & control capabilities
- Note - remote monitoring will reduce visible range of lantern due to increased power consumption

CE

• Specifications subject to change or variation without notice

* Subject to standard terms and conditions

Δ Intensity setting subject to solar availability



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