

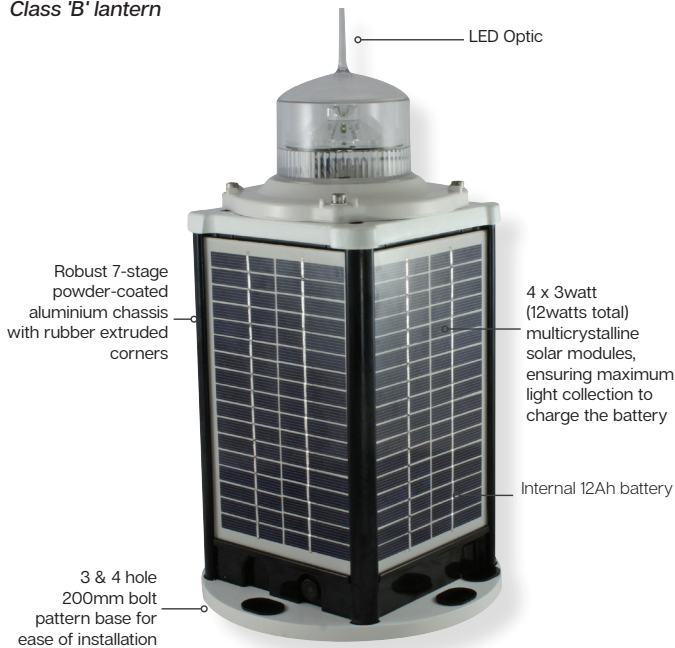
Class 'B' & 'C' Solar Lantern

SL-CGB310-W & SL-CGC60-W



SL-CGB310-W

US Coast Guard approved Class 'B' lantern



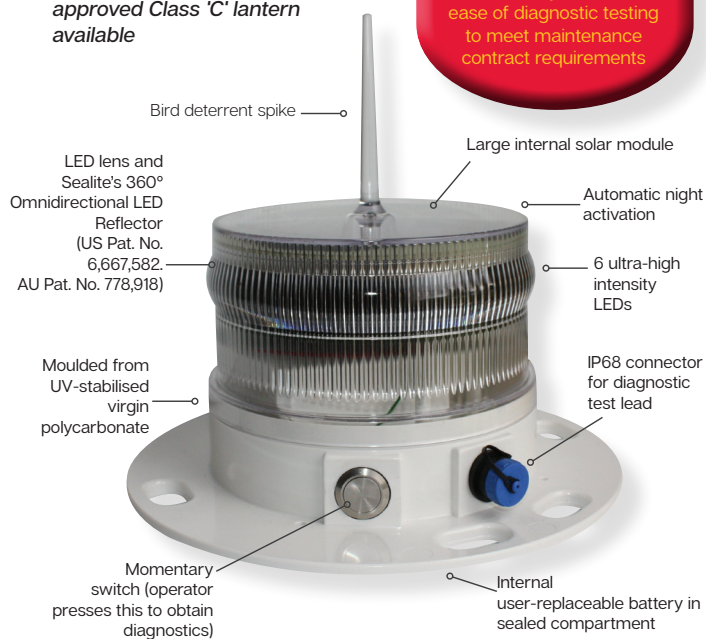
The SL-CGB310-W is a self-contained solar marine lantern designed to meet the United States Coast Guard requirements for Class 'B' and Class 'C' structures.

The lantern incorporates (4) premium grade solar modules and large 12Ah battery integrated into the assembly, and is available with GPS synchronisation. Using overhead satellites, lights set to the same flash pattern will flash in unison.

The larger SL-CGB415-W model may also be fitted with GSM Cell-Phone Monitoring and Control – enabling users to access real-time diagnostics data 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.

SL-CGC60-W

The most advanced USCG approved Class 'C' lantern available



External connector & momentary switch for ease of diagnostic testing to meet maintenance contract requirements

The SL-CGC60-W is a United States Coast Guard approved Class 'C' structure lantern specifically designed to meet the needs of Class 'C' structures in the Gulf of Mexico.

The unit is completely self-contained with an integrated solar/battery system, and can be easily installed in minutes. The flash characters are adjustable onsite by the user, and the lantern has a permanent ON/OFF storage switch.

The SL-CGC60-W's large 16Ah battery enables greater than 45 days autonomy. The battery is housed in a sealed compartment (IP68 waterproof) allowing for replacement after years of maintenance-free service.

The IP68 waterproof sealed connector and momentary switch on the lantern enable maintenance personnel to simply connect a test lead to diagnose the battery voltage and solar charging rate, in accordance to maintenance contracts.

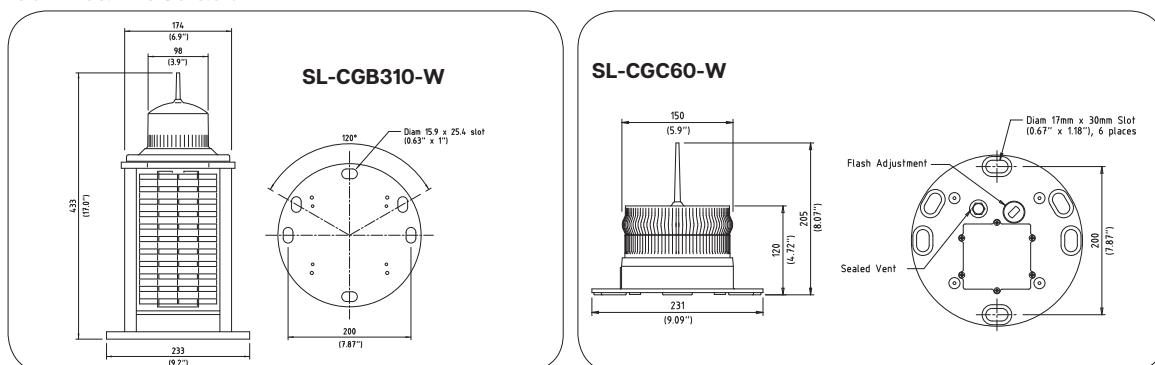
Advantage

- U.S. Coast Guard Approved
- User-replaceable battery in sealed battery compartment
- >45 day autonomy
- 200mm bolt pattern for immediate installation on existing structures
- IP68 waterproof

Technical Specifications*

| | SL-CGB310-W | SL-CGC60-W |
|--|--|--|
| USCG Approval | Class B & C | Class C |
| Light Characteristics | | |
| Light Source | LED | 6 ultra-high intensity LEDs |
| Available Colours | White | White |
| Effective Intensity (cd) † | White - >25 | 10 Candela (@ QF 0.3sec ON) |
| Visible Range (NM) | AT @ 0.74: >3 AT @ 0.85: >3.5 | AT @ 0.74: >1 AT @ 0.85: >1.1 |
| Horizontal Output (degrees) | 360 | 360 |
| Vertical Divergence (degrees) | >7 | 9 |
| Available Flash Characteristics | Up to 310 IALA recommended (user adjustable) | Up to 310 IALA recommended (user adjustable) |
| Intensity Adjustments | Multiple intensity settings | Adjustable in 25% increments |
| LED Life Expectancy (hours) | >100,000 | >100,000 |
| Synchronisation | Standard via GPS module | Optional via GPS module or hard-wire |
| Electrical Characteristics | | |
| Current Draw (mA) | Refer to Sealite Power Calculator | Minimal |
| Circuit Protection | Integrated | Integrated |
| Nominal Voltage (V) | 12 | 3.6 |
| Autonomy (days) | >60 (14 hour darkness, 12.5% duty cycle) | >45 (>30 days for SL-CGC60-W-CS) |
| Temperature Range | -40 to 80°C | -40 to 80°C |
| Solar Characteristics | | |
| Solar Module Type | Multicrystalline | Multicrystalline |
| Output (watts) | 12 (4 x 3watt) | 1.4 (2.5watt for SL-CGC60-W-CS) |
| Charging Regulation | Microprocessor controlled | Microprocessor controlled |
| Power Supply | | |
| Battery Type | Gel SLA | High grade NiMH |
| Battery Capacity (Ah) | 12 | 16 |
| Nominal Voltage (V) | 12 | 3.6 |
| Physical Characteristics | | |
| Body Material | 7-stage powder-coated aluminium chassis with UV-stabilised rubber corners & gaskets | LEXAN® Polycarbonate – UV-stabilised |
| Lens Material | LEXAN® Polycarbonate – UV-stabilised | LEXAN® Polycarbonate – UV-stabilised |
| Lens Diameter (mm/inches) | 98 / 3 7/8 | 150 / 5 7/8 |
| Lens Design | Single LED Optic | External optics with interior flute design |
| Mounting | 3 & 4 hole 200mm bolt pattern | 200mm bolt pattern |
| Height (mm/inches) | 433 / 17 | 205 / 8 1/8 (240mm / 9 1/2 inches for SL-CGC60-W-CS) |
| Width (mm/inches) | 233 / 9 1/8 | 231 / 9 1/8 |
| Mass (kg/lbs) | 9.4 / 20 3/4 | 1.5 / 3 1/2 |
| Product Life Expectancy | Up to 12 years ^ | Up to 12 years ^ |
| Certifications | | |
| CE | EN61000-6-3:1997. EN61000-6-1:1997 | EN61000-6-3:2001. EN61000-6-1:2001. EN55022. EN61000-4-2:1995. EN61000-4-3:2002. |
| IALA | Signal colours compliant to IALA E-200-1 | Signal colours compliant to IALA E-200-1 |
| Quality Assurance | ISO 9001:2015 | ISO 9001:2015 |
| Waterproof | IP68 | IP68 |
| Intellectual Property | | |
| Patents | | US Pat. No. 6,667,582. AU Pat. No. 778,918 |
| Trademarks | SEALITE® is a registered trademark of Sealite Pty Ltd | SEALITE® is a registered trademark of Sealite Pty Ltd |
| Warranty * | 3 years | 3 years |
| Options Available | <ul style="list-style-type: none"> • 50mm pole mount adapter plate • IR Programmer • External ON/OFF Switch • External Battery Charging Port • GPS Synchronisation: enable/disable • 5° Lens | <ul style="list-style-type: none"> • GPS Synchronisation • RF Synchronisation • Hard-wire Synchronisation • Radio Control System |

Technical Illustration



We believe technology improves navigation™