

SL-CGC 60W

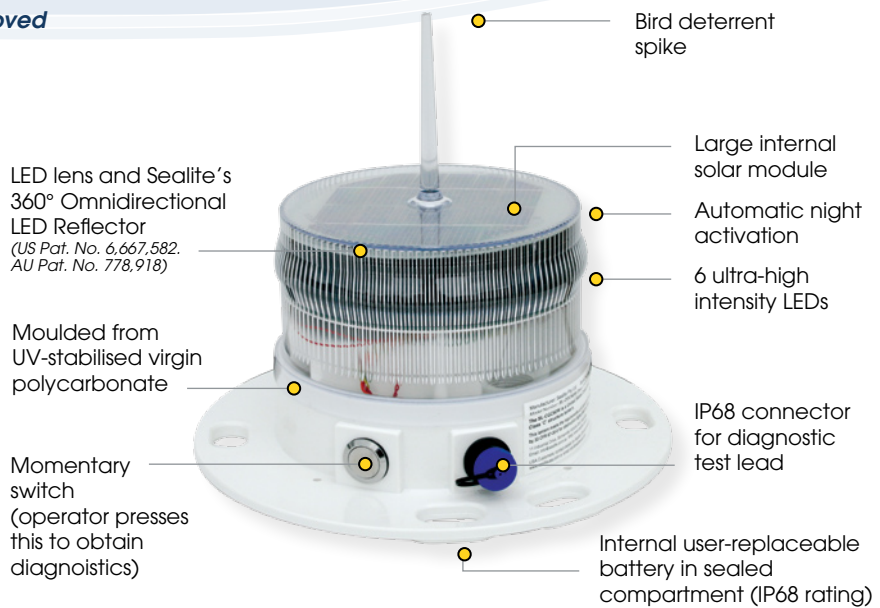
Class 'C' Solar LED Lantern

The most advanced USCG approved Class C lantern available



Now available with internal RF Comm-Synch

- No cabling
- Wireless synchronisation of flashing lights



The Sealite Advantage

- U.S. Coast Guard Approved
- Low maintenance (LED technology)
- User-replaceable battery in sealed battery compartment
- >45 day autonomy
- External connector & momentary switch for ease of diagnostic testing to meet maintenance contract requirements
- IP68 waterproof

The SL-CGC60W Solar LED Lantern is by far the most affordable and user-friendly USCG Approved Class C light available in the Gulf of Mexico.

The SL-CGC 60W 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 on-site by the user, and the lantern has a permanent ON/OFF storage switch.

During daylight hours the solar module charges the battery, and the lantern will automatically begin operation at dusk.

The SL-CGC 60W'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.

Optional RF Communication Synchronisation (SL-CGC 60W-CS)

The SL-CGC 60W-CS is an RF synchronised version of the popular SL-CGC 60W U.S. Coast Guard Approved Class C lantern.

The large internal dual solar modules and battery ensure reliable operation, with the internal RF module ensuring all RF lanterns set to the same flashing characteristic flash in synchronisation for clear recognition.

Optional Hard-Wire Synchronisation (SL-CGC 60W-S)

The SL-CGC 60W-S is a synchronised version of the standard lantern. The installer simply connects the lanterns using a hard-wired connection to maintain synchronised flash patterns as required on multiple lantern installations.



Head Office:
Sealite Pty Ltd
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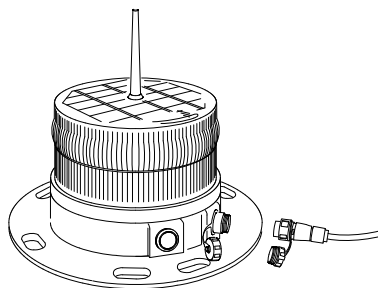
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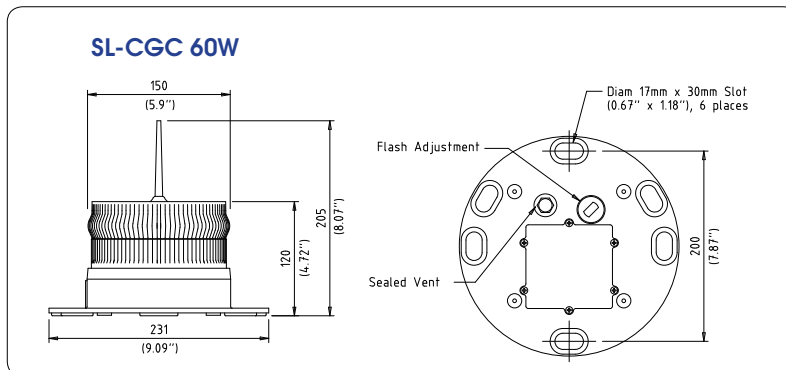
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SL-CGC 60W

Class 'C' Solar LED Lantern



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



SPECIFICATIONS •

SL-CGC 60W

USCG Approval

Class C

Light Characteristics

Light Source	6 ultra-high intensity LEDs
Available Colours	White
Effective Intensity (cd)	8 Candela (@ QF 0.3sec ON)
Visible Range (nm)	>1
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	9
Reflector Type	Omnidirectional 360° LED Reflector (US Pat. No. 6,667,582. AU Pat. No. 778,918)
Available Flash Characteristics	Up to 256 IALA recommended (user adjustable)
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000
Synchronisation	Optional via hard-wire or internal RF module
Test Facility	Battery voltage, charging current

Electrical Characteristics

Current Draw (mA)	Minimal
Circuit Protection	Integrated
Nominal Voltage (v)	3.6
Autonomy (days)	>45 (>30 days for SL-CGC 60W-CS)
Temperature Range	-40 to 80°C

RF Synchronisation *

Frequency	2.5GHz
Range	1.5km between 2 lights, relayed
Expandability	Peer to peer networking
Approvals	FCC / CE

Solar Characteristics

Solar Module Type	Multicrystalline
Output (watts)	1.4 (2.5watt for SL-CGC 60W-CS)
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled

Power Supply

Battery Type	High grade NIMH – Environment friendly
Battery Capacity (Ah)	16
Nominal Voltage	3.6
Battery Service Life	Average 5 years
Battery Replacement	Via waterproof compartment (user replaceable)

Physical Characteristics

Body Material	LEXAN® Polycarbonate – UV-stabilised
Lens Material	LEXAN® Polycarbonate – UV-stabilised
Lens Diameter (mm/inches)	150 / 5 ⁷ / ₈
Lens Design	External optics with interior flute design
Mounting	200mm OD base pattern
Height (mm/inches)	205 / 8 ¹ / ₈ (240mm / 9 ¹ / ₂ inches for SL-CGC 60W-CS)
Width (mm/inches)	231 / 9 ¹ / ₈
Mass (kg/lbs)	1.2 / 2 ² / ₃
Product Life Expectancy	Up to 12 years

Certifications

CE	EN61000-6-3:2001. EN61000-6-1:2001. EN55022. EN61000-4-2:1995. EN61000-4-3:2002.
Quality Assurance	ISO9001:2000
Waterproof	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

Warranty *

Full 3 years

Options Available

- RF comm-synch (SL-CGC 60W-CS)

CE

• Specifications subject to change or variation without notice

+ SL-CGC 60W-CS model only

* Subject to standard terms and conditions



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United States
Coast Guard



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16500

MAY 4 2006

Mr. Paul Goodwin
Watermark Navigation Systems, LLC
29 Gilford East Drive
Gilford, NH 03249

Dear Mr. Goodwin:

The letter is in response to your email of January 26, 2006 requesting approval of your Sealite lanterns for use on Class A, B and C structures.

You are authorized to identify the white SL-CGA1252W as being "U. S. Coast Guard Approved" for Class "A" structures, the SL-CGB1251W as being approved for class "B" structures and the SL-CGC60W as being approved for class "C" structures when operated under the jurisdiction of the 8th Coast Guard District. This approval is based on test data provided in your reports from Light Lab International as well as the discussion below:

The white SL-CGA1252W lantern operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 148 candela satisfying the requirements of 125 candela for class "A" structures. The white SL-CGB1251W operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 79 candela satisfying the requirements of 25 candela for class "B" structures. The white SL-CGC60W lantern operating with a Quick flash rhythm (0.3 seconds ON) will provide a minimum effective intensity of 10 candela satisfying the requirements of 1 candela for use on class "C" structures.

Sincerely,

J.J. ARENSTAM
Commander, U. S. Coast Guard
By direction



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