

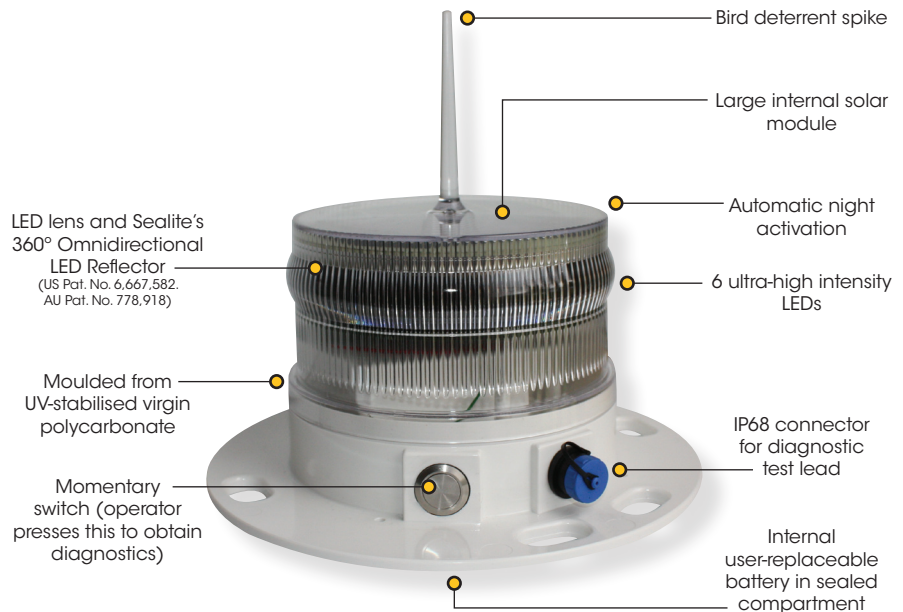
# SL-CGC 60W

## Class 'C' Solar LED Lantern

*The most advanced USCG approved Class 'C' lantern available*

### Available with Internal RF Synchronisation

- 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-CGC 60W 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 onsite 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 Synchronisation

The Sealite 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 Flash Synchronisation

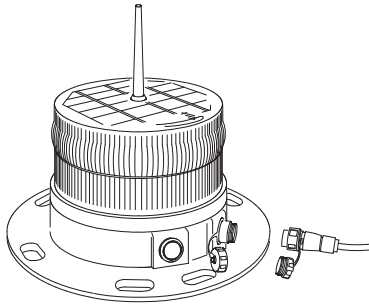
The SL-CGC 60W-S is a synchronised version of the standard lantern. The installer simply connects the lanterns using a hard-wired connection to maintain synchronised flash patterns as required on multiple lantern installations.



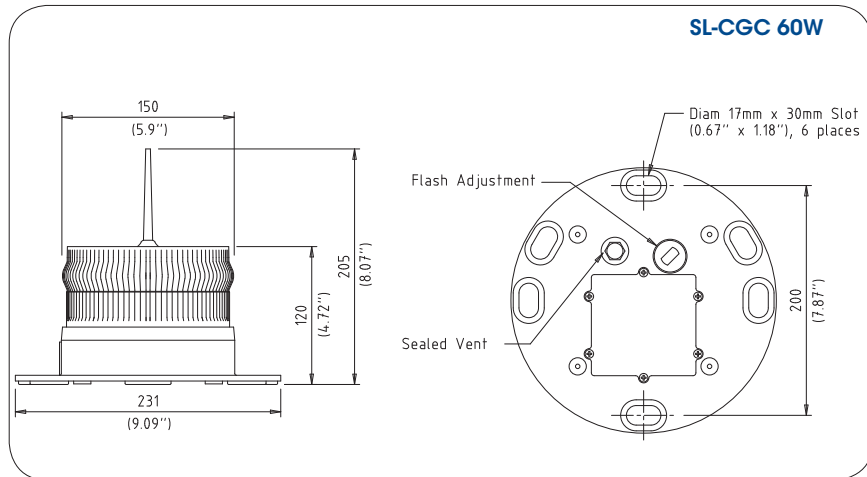
RF Synchronised Class 'C' Lanterns

# SL-CGC 60W

## Class 'C' Solar LED Lantern



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



### SPECIFICATIONS •

USCG Approval	Class C
<b>Light Characteristics</b>	
Light Source	6 ultra-high intensity LEDs
Available Colours	White
Effective Intensity (cd)	10 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
<b>Electrical Characteristics</b>	
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
<b>RF Synchronisation +</b>	
Frequency	2.4GHz
Range	1.5km between 2 lights, relayed
Expandability	Peer to peer networking
Approvals	FCC / CE
<b>Solar Characteristics</b>	
Solar Module Type	Multicrystalline
Output (watts)	1.4 (2.5watt for SL-CGC 60W-CS)
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled
<b>Power Supply</b>	
Battery Type	High grade NIMH - Environmentally friendly
Battery Capacity (Ah)	16
Nominal Voltage (v)	3.6
Battery Service Life	Average 5 years
<b>Physical Characteristics</b>	
Body Material	LEXAN® Polycarbonate - UV-stabilised
Lens Material	LEXAN® Polycarbonate - UV-stabilised
Lens Diameter (mm/inches)	150 / 5 <sup>7</sup> / <sub>8</sub>
Lens Design	External optics with interior flute design
Mounting	200mm OD base pattern
Height (mm/inches)	205 / 8 <sup>1</sup> / <sub>8</sub> (240mm / 9 <sup>1</sup> / <sub>2</sub> inches for SL-CGC 60W-CS)
Width (mm/inches)	231 / 9 <sup>1</sup> / <sub>8</sub>
Mass (kg/lbs)	1.5 / 3 <sup>1</sup> / <sub>3</sub>
Product Life Expectancy	Up to 12 years
<b>Certifications</b>	
CE	EN61000-6-3:2001 . EN61000-6-1:2001 . EN55022. EN61000-4-2:1995. EN61000-4-3:2002.
Quality Assurance	ISO9001:2008
Waterproof	IP68
<b>Intellectual Property</b>	
Patents	US Pat. No. 6,667,582. AU Pat. No. 778,918
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd
<b>Warranty *</b>	3 years
<b>Options Available</b>	<ul style="list-style-type: none"> <li>• RF Synchronisation</li> <li>• Hard-wire Synchronisation</li> <li>• Radio Control System</li> </ul>

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

