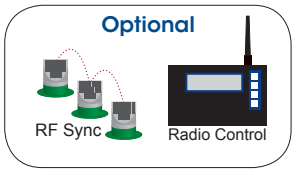
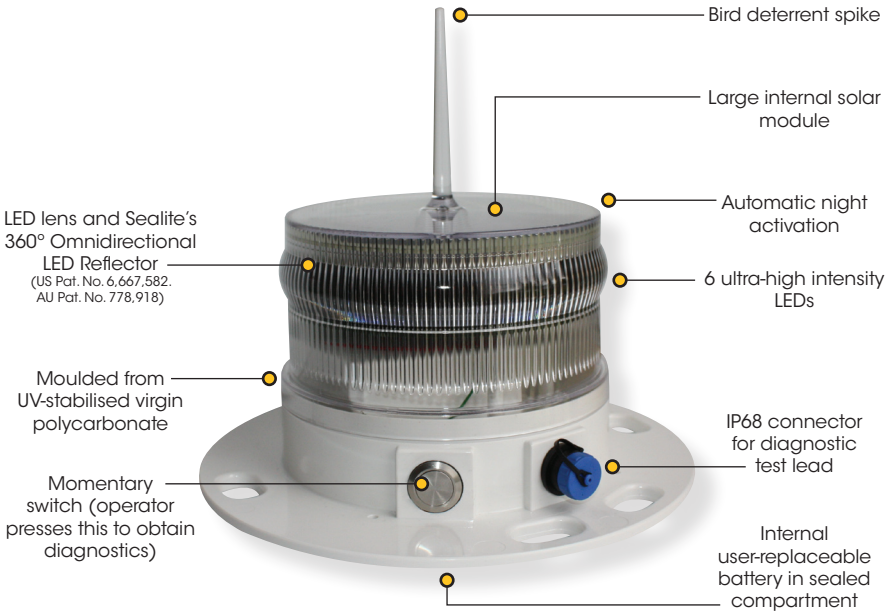
SL-CGC60-W

Class 'C' Solar Lantern

V1_2014

The most advanced USCG approved Class 'C' lantern available





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-CGC60-W 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-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.

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

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.

Optional RF Synchronisation

The Sealite SL-CGC60-W-CS is an RF synchronised version of the popular SL-CGC60-W 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-CGC60-W-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

Sealite
www.sealite.com
w: www.sealite.com
e: info@sealite.com

Sealite Pty Ltd
AUSTRALIA
t: +61 (0)3 5977 6128

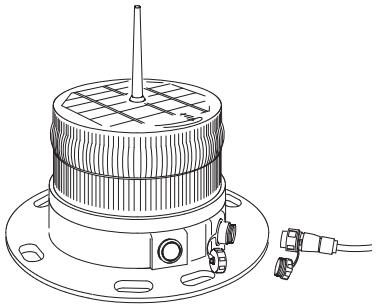
Sealite USA, LLC
USA
t: +1 (603) 737 1311

Sealite United Kingdom Ltd
United Kingdom
t: +44 (0) 1502 588026

SL-CGC60-W

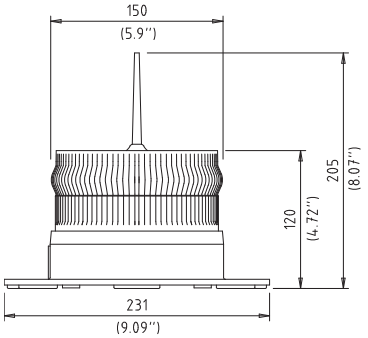
Class 'C' Solar Lantern

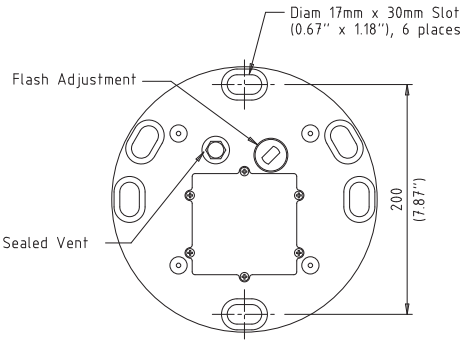
V1_2014



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

SL-CGC60-W





SPECIFICATIONS • *	SL-CGC60-W
USCG Approval	**Class C**
Light Characteristics	
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
Electrical Characteristics	
Current Draw (mA)	Minimal
Circuit Protection	Integrated
Nominal Voltage (V)	3.6
Autonomy (days)	>45 (>30 days for SL-CGC60-W-CS)
Temperature Range	-40 to 80°C
RF Synchronisation +	
Frequency	2.4GHz
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-CGC60-W-CS)
Charging Regulation	Microprocessor controlled
Power Supply	
Battery Type	High grade NiMH
Battery Capacity (Ah)	16
Nominal Voltage (V)	3.6
Battery Service Life	Average 5 years
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 bolt pattern
Height (mm/inches)	205 / $8^{1}/_{8}$ (240mm / $9^{1}/_{2}$ inches for SL-CGC60-W-CS)
Width (mm/inches)	231 / $9^{1}/_{8}$
Mass (kg/lbs)	1.5 / $3^{1}/_{3}$
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	ISO9001:2008
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 *	3 years
Options Available	• RF Synchronisation • Hard-wire Synchronisation • Radio Control System

• Specifications subject to change or variation without notice
* Subject to standard terms and conditions
+ SL-CGC60-W-CS model only

CE

Sealite® www.sealite.com

w: www.sealite.com
e: info@sealite.com

Sealite Pty Ltd
AUSTRALIA
t: +61 (0)3 5977 6128

Sealite USA, LLC
USA
t: +1 (603) 737 1311

Sealite United Kingdom Ltd
United Kingdom
t: +44 (0) 1502 588026