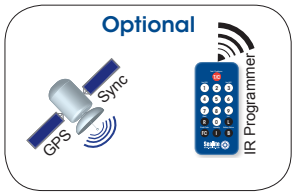
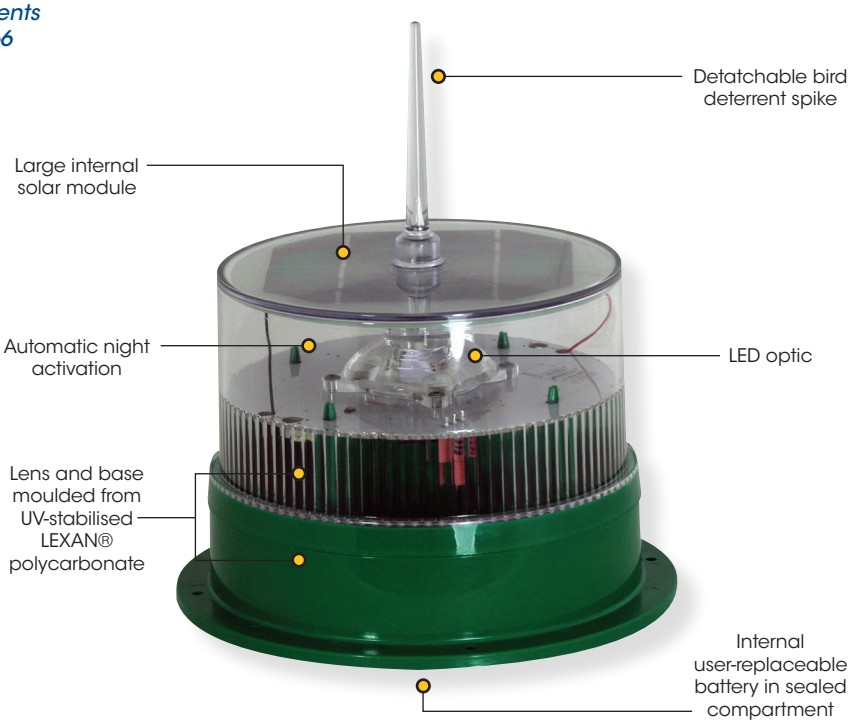
2–3NM+ Solar Marine Lantern

SL-60

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



Shown with optional 200mm bolt pattern base



The Sealite Advantage

- **IR programmable**
- **256 IALA flash patterns**
- **User-replaceable battery in sealed battery compartment**
- **NiMH battery for long service life & wide temperature range**
- **Multiple intensity settings**
- **ON/OFF storage switch**
- **IP68 waterproof**

The Sealite SL-60 is the world's most popular and versatile 2–3NM+ solar marine light.

The SL-60 can be installed in minutes and requires no operator intervention. The flash characters are easily adjusted onsite by the user, and the lantern has a permanent ON/OFF switch for easy storage.

The SL-60 comes with standard rotary switches for convenient in-field changes of flash characters and intensity selection. In addition, the unit may be provided with an IR programmer for added functionality.

Programmable features include; flash code adjustment, battery diagnostics, lux adjustment, ON/OFF and hibernation mode.

Optional GPS Synchronisation

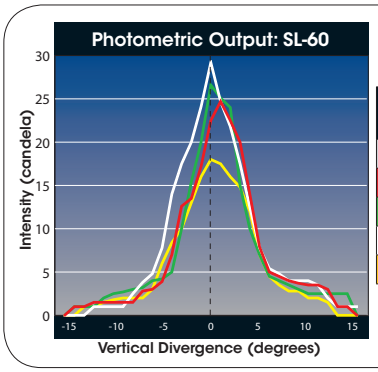
The SL-60 is available with optional GPS Synchronisation. Two (2) or more lights can be synchronised to flash in unison via an internal GPS module. When lanterns flash in synchronisation they can be clearly distinguished from other navaids and confusing background lighting – ideal for rivers, marina entrances, channel marking and aquaculture.

Optional 200mm Bolt Pattern Base

The SL-60 is available with optional large 200mm bolt pattern to suit installation requirements.

Optional Larger Battery Pack

In regions where additional autonomy is required, the SL-60 can be supplied with a larger 8Ah or16Ah battery pack - this greatly extends the operational autonomy.



Typical Maximum Intensity (cd)	
	SL-60
RED	24.7
GREEN	26.6
WHITE	29.2
YELLOW	18.8

Premier Materials Technology, Inc.
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Phone 763-785-1411 • Fax 763-785-1509

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Delivering quality marine products since 1992

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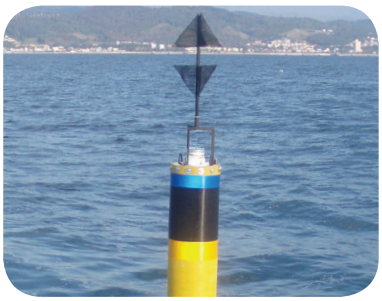
2–3NM+ Solar Marine Lantern

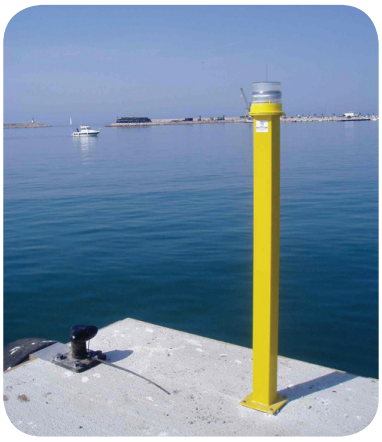
SL-60

User-replaceable battery

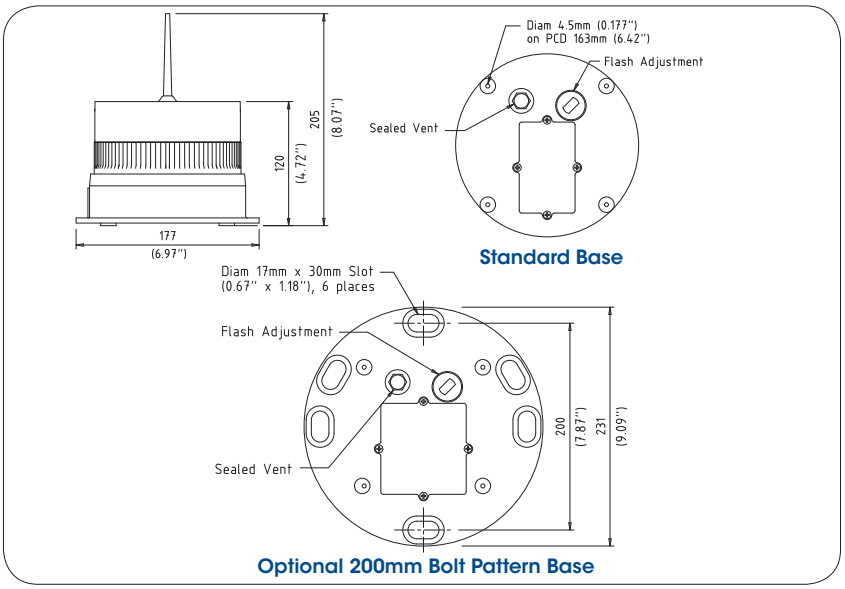


Sochi, Russia

Cadiz, South of Spain



Barcelona, Spain



SPECIFICATIONS • *	SL-60
Light Characteristics	
Light Source	LED
Available Colours	Red, Green, White, Yellow, Blue
Typical Maximum Intensity (cd)†	Red - 24.7 Green - 26.6 White - 29.2 Yellow - 18.8
Visible Range (nm)	AT @ 0.74: 2–3+ AT @ 0.85: 2.3–3.5+
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	7
Available Flash Characteristics	Up to 256 IALA recommended (user adjustable)
Intensity Adjustments	Adjustable in 25% increments
LED Life Expectancy (hours)	>100,000
Electrical Characteristics	
Current Draw (mA)	Refer to Sealite Power Calculator
Circuit Protection	Integrated
Nominal Voltage (V)	3.6
Autonomy (days)	>20 (14 hour darkness, 12.5% duty cycle)
Temperature Range	-40 to 80°C
Solar Characteristics	
Solar Module Type	Multicrystalline
Output (watts)	1.4
Power Supply	
Battery Type	High grade NiMH
Battery Capacity (Ah)	4
Nominal Voltage (V)	3.6
Physical Characteristics	
Body Material	LEXAN® Polycarbonate – UV-stabilised
Lens Material	LEXAN® Polycarbonate – UV-stabilised
Lens Diameter (mm/inches)	150 / 5 7/8
Lens Design	Single LED optic
Mounting	4 x 4.5mm mounting holes
Height (mm/inches)	205 / 8 1/8
Width (mm/inches)	177 / 7
Mass (kg/lbs)	0.9 / 2 1/8 (SL-60LB 1 / 2 1/4. SL-60-8AH 1 / 2 1/4. SL-60LB-8AH 1.1 / 2 1/2. SL-60LB-16AH 1.5 / 3 1/3)
Product Life Expectancy	Up to 12 years
Certifications	
CE	EN61000-6-3:1997. EN61000-6-1:1997
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO9001:2008
Waterproof	IP68
Intellectual Property	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd
Warranty *	3 years
Options Available	• IR Programmer • GPS Synchronisation • 8Ah battery • 16Ah battery • 200mm bolt pattern base • 50mm pole mount adapter plate

CE

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

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