SL70
2-3nm+ Solar Marine Light

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

Available with RF comm-sync or radio control

The Sealite Advantage

- Reliable year-round operation in low sunlight conditions
- 256 IALA flash patterns, user-adjustable without the need for external devices
- User-replaceable battery in sealed battery compartment
- NiMH battery for long service life & wide temperature range
- 4 user-adjustable intensity settings
- ON/OFF storage switch
- IP68 waterproof

The Sealite SL70 is exceptional in it's unique ability to be able to 'track the sun' and operate reliably in low sunlight conditions. The SL70 has been proven to operate as a 2-3+ mile compact buoy lantern in various low-sunlight environments such as Britain, Canada, and Europe.

Made from tough, durable polycarbonate and using the latest high intensity LED's, the SL70 lantern boasts dual high-performance solar modules incorporated into Sealite's world-first Solar Collection Lens. These solar modules are angled to obtain maximum sunlight capture, allowing the unit to operate reliably in a range of low sunlight environments.

The SL70 can be installed in minutes, and requires no operator intervention. The flash-characters are easily adjusted on-site by the user, and the lantern has a permanent ON/OFF switch for easy storage.

The sealed battery compartment allows the battery to be replaced after years of service - don't throw the light away at the end of the battery service life.

Sealite's SL70 solar marine light has been awarded the prestigious Australian DesignMark® at the Australian Design Awards; a testament of Sealite's commitment to the ongoing development of state-of-the-art products.

Optional RF Communication Synchronisation (SL70-CS)

The SL70 is available with optional short-range RF communication synchronisation. Two (2) or more lights can be synchronised to flash in unison via an internal RF module - ideal for rivers, marina entrances, channel marking and aquaculture.

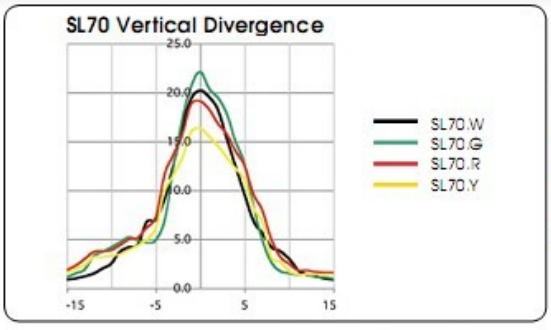
When lanterns flash in synchronisation they can be clearly distinguished from other navaids and confusing background lighting - ideal for rivers, marina entrances, channel marking and aquaculture.

Optional Remote Radio Control (SL70-RC)

Radio control may be fitted to the SL70 model enabling users to remotely modify the setup of their lantern via handheld radio controller (SL-RC-2.4).

Optional 12 LED Light Configuration (SL70-12)

In high sunlight regions the SL70 may be fitted with 12 LED's and appropriate intensity settings to provide a range of >3 nautical miles (colour dependant).



Candela (cd)	SL70
R	19.1
G	22.1
W	20.2
Y	16.3

ERC Marine Denizcilik ve Yat Malzemeleri-Bursa

www.ercmarine.com / teknik@ercmarine.com

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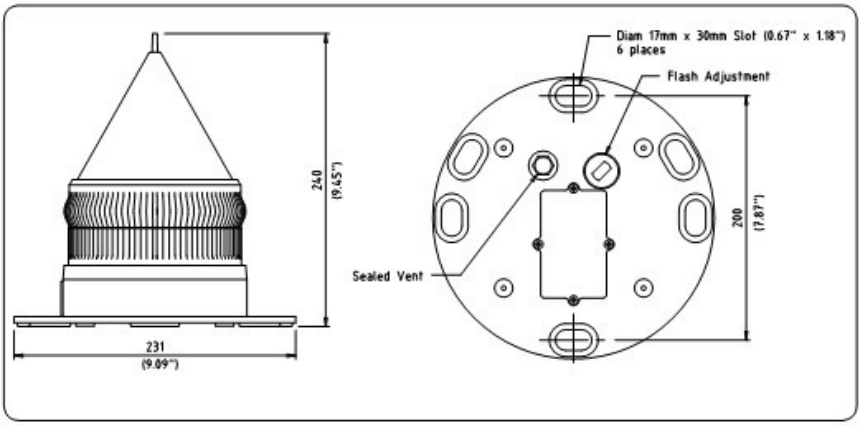
User replaceable battery



SPECIFICATIONS •

Castellon, Spain

Western Australia installations

Light Characteristics	
Light Source	6 ultra-high intensity LEDs
Available Colours	Red, Green, White, Yellow, Blue
Maximum Available Intensity (cd)[Δ]	Red - 19.1 Green - 22.1 White - 20.2 Yellow - 16.3
Visible Range (nm)	2-3+
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
Electrical Characteristics	
Current Draw (mA)	Refer to Sealite Power Calculator
Circuit Protection	Integrated
Nominal Voltage (v)	3.6
Autonomy (days)	30 (14 hour darkness, 12.5% duty cycle)
Temperature Range	-40 to 80°C
Solar Characteristics	
Solar Module Type	Multicrystalline
Output (watts)	2.5 (2 x 1.25watt)
Solar Module Efficiency (%)	14
Charging Regulation	Microprocessor controlled
Power Supply	
Battery Type	High grade NiMH - Environment friendly
Battery Capacity (Ah)	8
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 / 5⅞
Lens Design	External optics with interior flute design
Mounting	200mm OD base pattern
Height (mm/inches)	240 / 9½
Width (mm/inches)	231 / 9⅛
Mass (kg/lbs)	1.4 / 3⅛ (SL70/16Ah 1.6 / 3½)
Product Life Expectancy	Up to 12 years
Certifications	
CE	EN61000-6-3:1997. EN61000-6-1:1997
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	• 16Ah battery (SL70/16Ah) • 12 LEDs (SL70-12) • 50mm pole mount adaptor plate (MC/03) • RF communication synchronisation (SL70-CS) • Remote radio control (SL70-RC) with handheld radio controller (SL-RC-2.4)

CE

• Specifications subject to change or variation without notice

* Subject to standard terms and conditions

Δ Intensity setting subject to solar availability