

# Sealite Solar Marine Lanterns

## 1-2NM Sealite Solar Marine Lantern SL-15

High performance marine lantern for multiple applications.  
**Type SL-15 1-2NM+ solar marine lantern IP68 waterproof.**  
 Ideal for navigation, hazard lighting, aquaculture, perimeter lighting etc.  
 Ultra-High intensity LED. Optional ON/OFF storage switch..  
 Activate automatically at night. During daylight hours the solar module will charge the battery. Maintenance free for up to 5 years.  
 16 user adjustable IALA flash characters.  
 32 automatic intensity settings based on flash character.  
 User-replaceable battery in sealed battery compartment.  
 2.4Ah NiMH battery for long service life & wide temperature range.  
 Made from tough, durable polycarbonate.  
 Completely sealed & self contained, integrated and detachable bird-deterrent spike.  
**According to the regulations of the U.S. Coastguard in 33 CFR part 66 and part 88.15 for lights on dredge pipelines**

### Light Characteristics

Light Source: LED  
 Available Colours: Red, Green, White, Yellow, Blue  
 Typical Maximum Intensity (cd)\*: Red 6.2  
 Green 7.6, White 6.8, Yellow 5.9  
 Visible range @ 0.74: 1-2+ nm  
 Visible range @ 0.85: 1.1-2.3+ nm  
 Horizontal Output: 360 degrees. Vertical divergence: 7 degrees.  
 Flash Characteristics: up to 16 user-adjustable IALA  
 Intensity Adjustments: 32 automatic step-down settings based on power demand of the flash code selection.  
 LED Life Expectancy >100.000 hours

### Electrical Characteristics

Current Draw (mA) refer to Sealite power calculator  
 Circuit Protection Integrated.  
 Nominal voltage (V) 3.6 Standard supplied 2.4Ah  
 Autonomy (days) >50 (14 hour darkness, 12,5% duty cycle)  
 Temperature range: -40 to +80°C

### Certifications

CE: EN61000-6-1:2007, EN61000-6-3:2007, IALA: Signal Colours according to IALA E-200-1, Quality Assurance: ISO9001:2015  
 Waterproof: IP68, Warranty 3 years conditions apply.  
 Several options available: Bluetooth, On/Off switch, Custom flash patterns, 50mm post mount adaptor plate.

Article No.	Description
904130	Solar Marine Lantern SL-15 Yellow 3.6V 2.4Ah
904131	Solar Marine Lantern SL-15 Red 3.6V 2.4Ah
904132	Solar Marine Lantern SL-15 Green 3.6V 2.4Ah
904133	Solar Marine Lantern SL-15 White 3.6V 2.4Ah
904134	Solar Marine Lantern SL-15 Blue 3.6V 2.4Ah



Replaceable battery pack + switch for adjustment of the required flash characteristics

SL-15 optional ON/OFF switch

## 2-3 NM Sealite Solar Marine Lantern SL-60

High performance marine lantern for multiple applications.  
**Type SL-60 2-3NM+ solar marine lantern IP68 waterproof.**  
 Ideal for navigation, hazard lighting, aquaculture, perimeter lighting etc.  
 Ultra-High intensity LED. ON/OFF storage switch.  
 Activate automatically at night.  
 256 user adjustable IALA flash characters.  
 4 user adjustable intensity settings.  
 User-replaceable battery in sealed battery compartment.  
 NiMH battery for long service life & wide temperature range.  
 Made from tough, durable polycarbonate.  
 Completely sealed & self contained, detachable bird-deterrent spike.  
**According to the regulations of the U.S. Coastguard in 33 CFR part 66.**

### 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 @ 0.74: 2-3+ nm  
 Visible range @ 0.85: 2.3-3.5+ nm  
 Horizontal Output: 360 degrees. Vertical divergence: 7 degrees.  
 Flash Characteristics: up to 256 IALA recommended.  
 Intensity Adjustments: Adjustable in 25% increments.  
 LED Life Expectancy >100.000 hours

### Electrical Characteristics

Current Draw (mA) refer to Sealite power calculator.  
 Circuit Protection Integrated.  
 Nominal voltage (V) 3.6 standard battery 16Ah also available in 8Ah.  
 Autonomy (days) >20 (14 hour darkness, 12,5% duty cycle).  
 Temperature range: -40 to +80°C.

### Certifications

CE: EN61000-6-3:1997, EN61000-6-1:1997, IALA: Signal Colours according to IALA E-200-1, Quality Assurance: ISO9001:2008  
 Waterproof: IP68, Warranty 3 years conditions apply.  
 Options available: GPS Synchronisation, 8Ah battery, 200mm bolt pattern base, 50mm post mount adaptor plate, custom flash patterns, IR-programmable.

Article No.	Description	Intensity *
904208	Solar Marine Lantern SL-60 Yellow 3.6V 16Ah	18.8 cd
904209	Solar Marine Lantern SL-60 Red 3.6V 16Ah	24.7 cd
904210	Solar Marine Lantern SL-60 Green 3.6V 16Ah	26.6 cd
904211	Solar Marine Lantern SL-60 White 3.6V 16Ah	29.2 cd
904212	Solar Marine Lantern SL-60 Blue 3.6V 16Ah	-



Replaceable battery back

\* = depend on the hours of sunlight per day.

# Sealite Solar Marine Lanterns

## 2-3 NM Sealite Solar Marine Lantern SL-70

High performance marine lantern for multiple applications.  
**Type SL-70 2-3NM+ solar marine lantern IP68 waterproof.**  
 Ideal for navigation, hazard lighting, aquaculture, perimeter lighting etc.  
 Ultra-High intensity LED. ON/OFF storage switch.  
 Activate automatically at night.  
 256 user adjustable IALA flash characters.  
 Adjustable intensity settings.  
 User-replaceable battery in sealed battery compartment.  
 NiMH battery for long service life & wide temperature range.  
 Made from tough, durable polycarbonate.  
 Completely sealed & self contained, detachable bird-deterrent spike.  
 Proven to operate as a 2-3+ nautical mile compact buoy lantern in various low sunlight environments such as Britain, Canada and Europe.

**According to the regulations of the U.S. Coastguard in 33 CFR part 66 and 33 CFR Part 6 for class C structures**

### 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 @ 0.74: 2-3+ nm  
 Visible range @ 0.85: 2.3-3.5+ nm  
 Horizontal Output: 360 degrees. Vertical divergence: 7 degrees.  
 Flash Characteristics: up to 256 IALA recommended  
 Intensity Adjustments: Multiple intensity settings.  
 LED Life Expectancy >100.000 hours

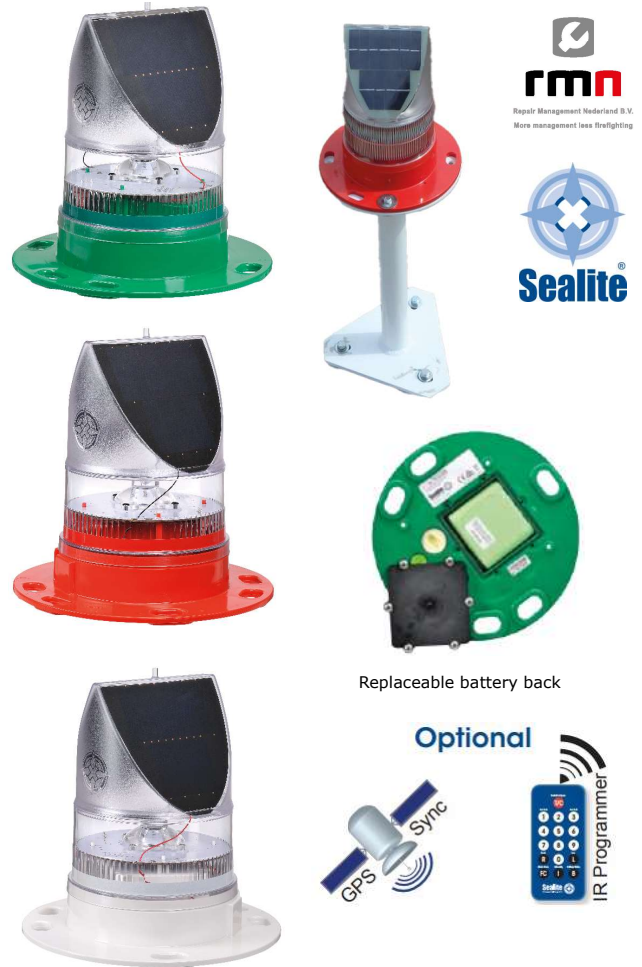
### Power Supply

Battery type: High Grade NiMH  
 Battery capacity (Ah): 16 also available in 8Ah. Nominal voltage (V) 3.6

### Certifications

ANSI C63.4-2009 EN61000-6-3:2007 EN61000-6-1:2007  
 IEC61000-4-6:2008 IEC61000-4-3:2010 IEC61000-4-6:2008  
 IEC61000-4-2:2008 MIL-STD-810F MIL-STD-202G  
 IALA: Signal Colours according to IALA E-200-1  
 Quality Assurance: ISO9001:2008  
 Waterproof: IP68  
 Warranty 3 years conditions apply.  
 Options available GPS Synchronisation, 8Ah battery, 50mm post mount adaptor plate, IR-programmable, external On/Off switch.

Article No.	Description	Intensity *
904222	Solar Marine Lantern SL-70 Yellow 3.6V 16Ah	29.2 cd
904223	Solar Marine Lantern SL-70 Red 3.6V 16Ah	18.8 cd
904224	Solar Marine Lantern SL-70 Green 3.6V 16Ah	24.7 cd
904225	Solar Marine Lantern SL-70 White 3.6V 16Ah	26.6 cd
904226	Solar Marine Lantern SL-70 Blue 3.6V 16Ah	-



\* = depend on hours of sunlight per day

## 5 NM Sealite Solar Marine Lantern SL-75

High performance marine lantern for multiple applications.  
**Type SL-75 5NM+ solar marine lantern IP68 waterproof.**  
 The brightest, smallest, lightest up to 5NM lantern on the market.  
 Based on the SL-70 but with Bluetooth® Connectivity for easy programmable and maintenance on a distance via a mobile phone or a tablet using the SealitePro™ mobile application. Dual High Performance solar panels for maximum sunlight capture up to 40% more solar collection than horizontal solar panels. Reduced risk and improved time efficiency by negating the need to climb buoys / structures. Reliable year-round operation in low sunlight conditions. Optional GSM monitoring & control system.  
 Optional GPS Synchronisation. Optional larger battery pack for increased autonomy.  
 SealitePro™ App. The new SealitePro™ App available via Google Play Store and the App\* Store for complete programming via Bluetooth of the set-up configuration of the SL-75 marine lantern. Can be monitored from a distance up to 50 meter via tablet or phone. Plus using the in-built Sealite Solar Calculator, you can verify the lantern's ability to operate in a set location using the device GPS coordinates or manually select a global location from anywhere in the world. The solar calculator will determine the average sunlight hours for the given location, power requirements based on the flash code and intensity settings and provide a result to the user on suitability.

### Light Characteristics

Light Source: LED. Available Colours: Red, Green, White, Yellow, Blue  
 Visible range NM/km: 3-5 / 5.5-9. Horizontal Output: 360 degrees.  
 Vertical divergence: 7.5 degrees (standard) / 5 degrees (optional).  
 Flash Characteristics: 310 plus custom character. Intensity Adjustments: Multiple intensity settings.  
 LED Life Expectancy >100.000 hours

### Power Supply

Battery type: High Grade NiMH  
 Battery capacity (Ah): standard 17.2 Optional Battery capacity (Ah) large: 21.5 Nominal voltage (V) 3.6

### Certifications

FCC Part 15 Rules & ANSI C63.4:2014  
 EN61000-6-2:2005 (IEC 61000-6-2:2005) Part 6-2 Immunity. EN 61000-6-4:2007 (IEC 61000-6-4:2006)  
 Electromagnetic compatibility (EMC)-Part 6-4 Emission. IEC 61000-4-2:2008 Ed 2 Part 4-2 Electrostatic discharge immunity test. IEC 61000-4-3:2006 Ed 3 Part 4-3 Radiated, radio-frequency. Electromagnetic field immunity. IALA Signal colours compliant to IALA E-200-1 Quality Assurance: ISO9001:2008  
 Waterproof: IP68 Warranty 3 years conditions apply.  
 Options available: Selite Connectivity, GPS Synchronisation, GSM Monitoring, Charge port, 21Ah and 29Ah battery, Bird deterrent spike, IR-programmable.

Article No.	Description	Intensity *
904230-07	Solar Marine Lantern SL-75 7D White 17.2Ah	131 cd
904231-07	Solar Marine Lantern SL-75 7D Yellow 17.2Ah	65 cd
904232-07	Solar Marine Lantern SL-75 7D Red 17.2Ah	98 cd
904233-07	Solar Marine Lantern SL-75 7D Green 17.2Ah	104 cd
904230-05	Solar Marine Lantern SL-75 5D White 17.2Ah	183 cd
904231-05	Solar Marine Lantern SL-75 5D Yellow 17.2Ah	87 cd
904232-05	Solar Marine Lantern SL-75 5D Red 17.2Ah	143 cd
904233-05	Solar Marine Lantern SL-75 5D Green 17.2Ah	109 cd



# Sealite Solar Marine Lanterns

## 5 NM+ Sealite Solar Marine Lantern SL-C310

High performance marine lantern for multiple applications.

### Type SL-C310 3-5NM+ solar marine lantern IP68 waterproof.

Robust, completely self-contained 3-5NM+ Solar LED lantern specifically designed to withstand the tough marine environment with low maintenance. The 3 & 4 hole bolt pattern fits directly onto existing 200mm bolt pattern industry standard mounts for easy installation. Base and Top made from cast aluminium, subject to 7-stage powder-coating in high visibility IALA colours for daytime recognition, with UV-stabilised corners and gaskets providing a superior IP68 waterproof rating-the best in the industry. Four (4) premium-grade solar modules are integrated into the assembly, and mounted to collect sunlight at all angles. Tough polycarbonate lens specifically designed for LEDs and incorporates an environment-friendly spike - deterring unwelcome bird life. The lens design also ensures that vessel operators clearly see the light from above when passing the AtoN. The lantern 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 and lux adjustment.



### Light Characteristics

Light Source: LED

Available Colours: Red, Green, White, Yellow, Blue

Typical maximum flash intensity: Red-121, Green-88, White-156 and Yellow-95.

Visible range @ 0.74: 3-5+ nm

Visible range @ 0.85: 3.5-6.3+ nm

Horizontal Output: 360 degrees.

Vertical divergence: >7 degrees.

Flash Characteristics: up to 310 IALA recommended (adjustable).

Intensity Adjustments: Multiple intensity settings.

LED Life Expectancy >100.000 hours

### Power Supply

Battery type: High Gel SLA

Battery capacity (Ah): 12 also available in 24Ah

Nominal voltage (V) 12

### Certifications

EN61000-6-3:1997 EN61000-6-1:1997 IALA: Signal Colours according to IALA E-200-1

Quality Assurance: ISO9001:2008

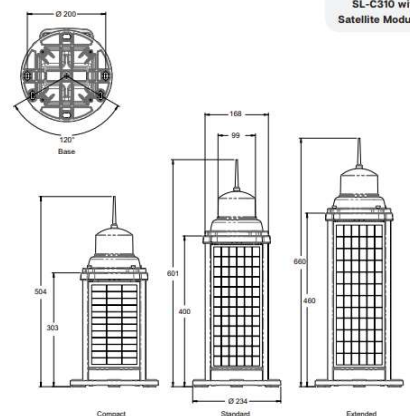
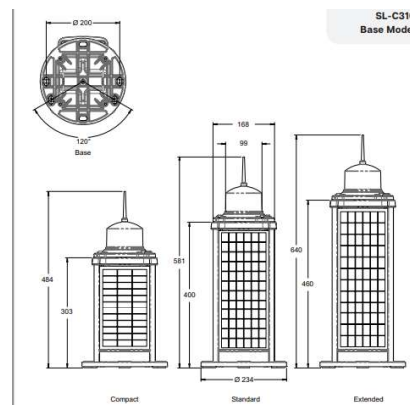
Waterproof: IP68, Warranty 3 years conditions apply.

Options available: 50mm post mount adaptor plate, Satellite connectivity, GSM Monitoring, external charge port, external On/Off switch, IR-programmable.

The \*SATCOM version is a special type with an extra module to be able to communicate with the Star2M Satellite system.

Star2M requires also an annual license for each lantern and an annual license for the satellite platform for communication via the Satellite.

Contact our product specialists for more info.



Article No.	Description	Intensity *
904242	Solar Marine Lantern SL-C310 White 12V 12Ah 20W	156 cd
904242-24S1	Solar Marine Lantern SL-C310 White 12V 24Ah 28W	156 cd
904242-24S2	Solar Marine Lantern SL-C310 White 12V 24Ah 33,6W	156 cd
904243	Solar Marine Lantern SL-C310 Yellow 12V 12Ah 20W	95 cd
904243-24S1	Solar Marine Lantern SL-C310 Yellow 12V 24Ah 28W	95 cd
904243-24S2	Solar Marine Lantern SL-C310 Yellow 12V 24Ah 33,6W	95 cd
904244	Solar Marine Lantern SL-C310 Red 12V 12Ah 20W	121 cd
904244-24S1	Solar Marine Lantern SL-C310 Red 12V 24Ah 28W	121 cd
904242-24S2	Solar Marine Lantern SL-C310 Red 12V 24Ah 33,6W	121 cd
904245	Solar Marine Lantern SL-C310 Green 12V 12Ah 20W	88 cd
904245-24S1	Solar Marine Lantern SL-C310 Green 12V 24Ah 28W	88 cd
904245-24S2	Solar Marine Lantern SL-C310 Green 12V 24Ah 33,6W	88 cd
904246	Solar Marine Lantern SL-C310 Blue 12V 12Ah 20W	-
904246-24S1	Solar Marine Lantern SL-C310 Blue 12V 24Ah 28W	-
904246-24S2	Solar Marine Lantern SL-C310 Blue 12V 24Ah 33,6W	-

Number =  
12Ah battery + 20W Solar, base (H=484mm) (\*SATCOM=504mm) with a compact body (solar panels).  
\* = only on request

Number + code 24S1 =  
24Ah battery + 28W Solar, base (H=581mm) (\*SATCOM=601mm) with a standard body (solar panels).  
\* = only on request

Number + code 24S2 =  
24Ah battery + 33,6W Solar, base (H=640mm) (\*SATCOM=660mm) with an extended body (solar panels).  
\* = only on request

### Optional IR Remote controller

Is used to communicate with Sealite lanterns that have an IR-Sensor fitted.

For reading the current flash code and to configure a new flash code.

For reading the current lamp intensity and to configure a new lamp intensity level.

For reading the current light thresholds and to configure a new ambient light threshold.

To perform a battery health check.

Article No.	Description
904100	Sealite SL-IRC IR Programmer, for flashcode, lamp intensity, ambient level, battery health check. Communicate with all Sealite Marine Lanterns that have an IR Sensor fitted.



\* = depend on the hours of sunlight per day.