

## SEALITE

### 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

Autonomy (days) >50 (14 hour darkness, 12,5% duty cycle)

Temperature range: -40 to +80°C

#### **Solar Characteristics**

Solar module type: Monocrystalline

Output (watt) 0.75

#### **Power Supply**

Battery type: High Grade NiMH

Battery capacity (Ah): 2.4

Nominal voltage (V) 3.6

#### **Physical Characteristics**

Body Material: LEXAN® Polycarbonate - UV-stabilised.

Lens Material: LEXAN® Polycarbonate - UV-stabilised.

Lens diameter (mm/inch): 98 / 3.7/8

Lens Design: Single LED optic

Mounting: 4 x 6 mm mounting holes.

Height (mm/inch): 141 / 5.1/2

Width (mm/inch): 136 / 5.3/8

Weight: 0.5 to 1.1/8 kilo

#### **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.

#### **Options available**

ON/OFF switch, custom flash patterns, 50mm pole mount adapter plate, IR remote programmer.



Repair Management Nederland B.V.  
More management less firefighting



Number	Description
904130	SL-15 Yellow
904131	SL-15 Red
904132	SL-15 Green
904133	SL-15 White
904134	SL-15 Blue Blue

**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  
 Autonomy (days) >20 (14 hour darkness, 12,5% duty cycle)  
 Temperature range: -40 to +80°C

**Solar Characteristics**

Solar module type: Multicrystalline  
 Output (watt) 1.4

**Power Supply**

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

**Physical Characteristics**

Body Material: LEXAN® Polycarbonate - UV-stabilised.  
 Lens Material: LEXAN® Polycarbonate - UV-stabilised.  
 Lens diameter (mm/inch): 150 / 5.7/8  
 Lens Design: Single LED optic  
 Mounting: 4 x 4.5 mm mounting holes.  
 Height (mm/inch): 205 / 8.1/8  
 Width (mm/inch): 177 / 7  
 Weight: Depend on type from 0.9 to 1.5 kilo

**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**

IR programmer, GPS Synchronisation, 8Ah battery, 16Ah battery, 200mm bolt pattern base, 50mm pole mount adapter plate.



Picture shows the 200mm bolt pattern base as optional.

Number	Description	Intensity (cd)*
904208	SL-60 Yellow 16Ah	18.8
904209	SL-60 Red 16Ah	24.7
904210	SL-60 Green 16Ah	26.6
904211	SL-60 White 16Ah	29.2
904212	SL-60 Blue 16Ah	

\* depend on hours sunlight per day

**Optional**



**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

**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 (watt) 2.5 (2x1.25W)

**Power Supply**

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

**Physical Characteristics**

Body Material: LEXAN® Polycarbonate - UV-stabilised.  
 Lens Material: LEXAN® Polycarbonate - UV-stabilised.  
 Lens diameter (mm/inch): 150 / 5.7/8  
 Lens Design: Single LED optic  
 Mounting: 200mm bolt pattern.  
 Height (mm/inch): 240 / 9.1/2  
 Width (mm/inch): 231 / 9.1/8  
 Weight: Depend on type from 1.4 to 1.6 kilo

**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**

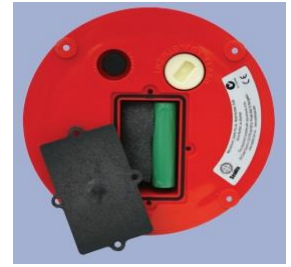
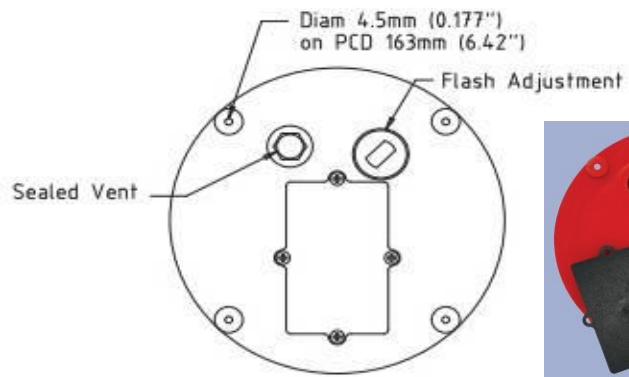
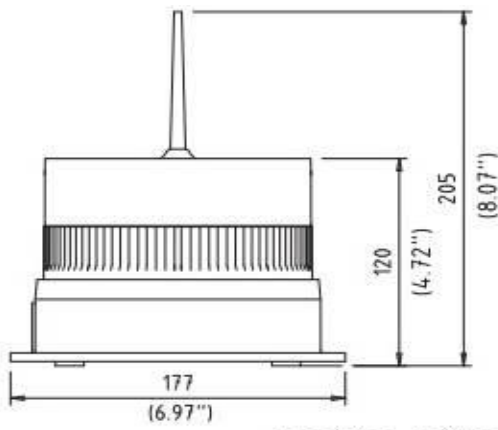
IR programmer, GPS Synchronisation, 16Ah battery, 50mm pole mount adapter plate.



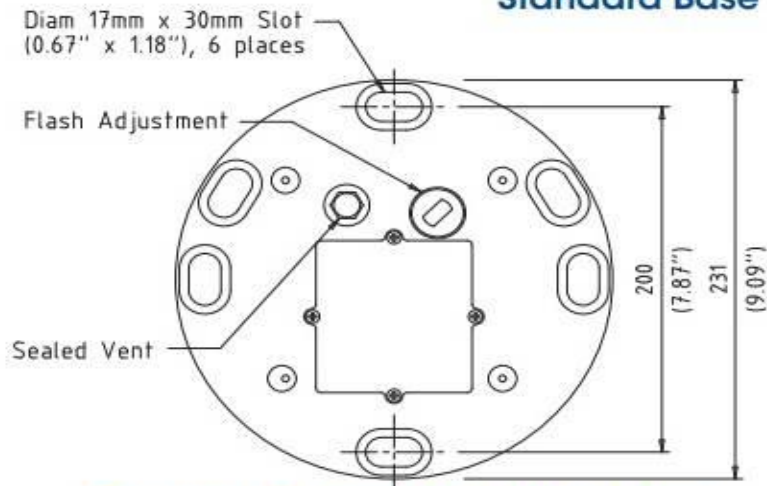
Number	Description	Intensity (cd)*
904222	SL-70 White 16Ah	29.2
904223	SL-70 Yellow 16Ah	18.8
904224	SL-70 Red 16Ah	24.7
904225	SL-70 Green 16Ah	26.6
904226	SL-70 Blue 16Ah	

\* depend on hours sunlight per day



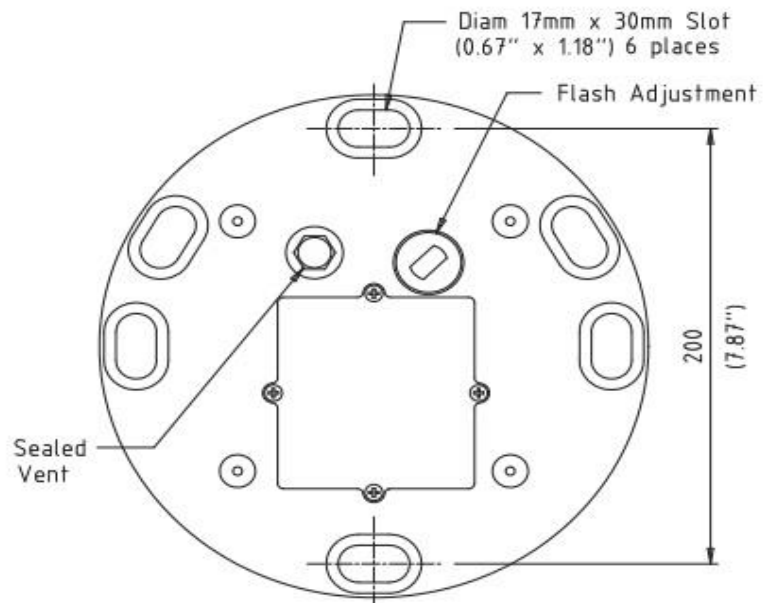
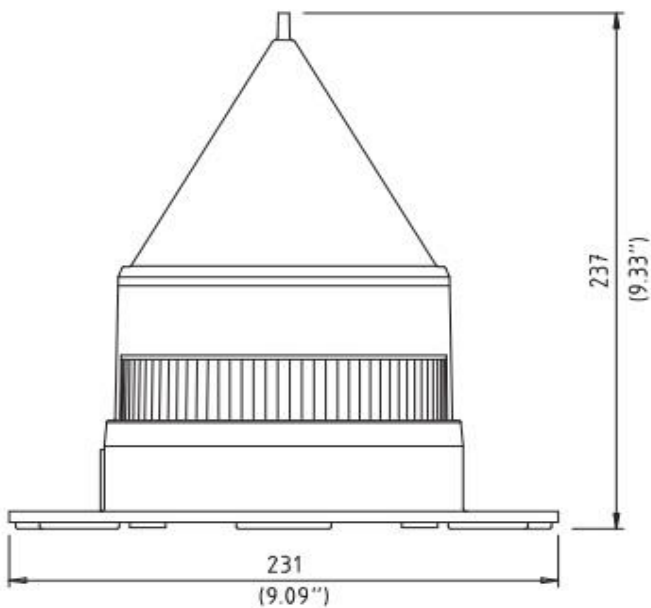


**Standard Base**



**Optional 200mm Bolt Pattern Base**

**Sealite SL-60 dimensions**



**Sealite SL-70 dimensions**



## 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

### **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

### **Power Supply**

Battery type: High Grade NiMH

Battery capacity (Ah): standard 17.2

Battery capacity (Ah) large: 21.5

Nominal voltage (V) 3.6

### **Physical Characteristics**

Body Material: LEXAN® Polycarbonate - UV-stabilised.

Lens Material: LEXAN® Polycarbonate - UV-stabilised.

Lens Design: Single LED optic

Mounting: 3 types: 3 & 4 hole 200mm bolt pattern, 3 hole 150mm bolt pattern, 4 hole 162mm bolt pattern.

Height (mm/inch): 314 / 12.3/8

Width (mm/inch): 231 / 9.1/8

Weight: 2,5 kilo

### **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.

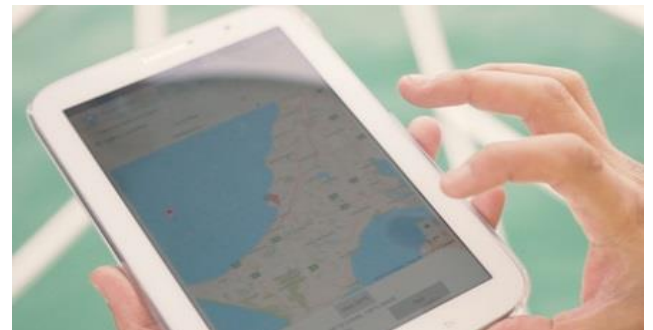
Electromagnetic field immunity.

IALA Signal colours compliant to IALA E-200-1

Quality Assurance: ISO9001:2008

Waterproof: IP68

Warranty 3 years conditions apply.



**Options available**

IR programmer, GPS synchronisation, Bird Deterrent, SL-75-5D 5 degrees divergence model, GSM monitoring and control system, Charging port.



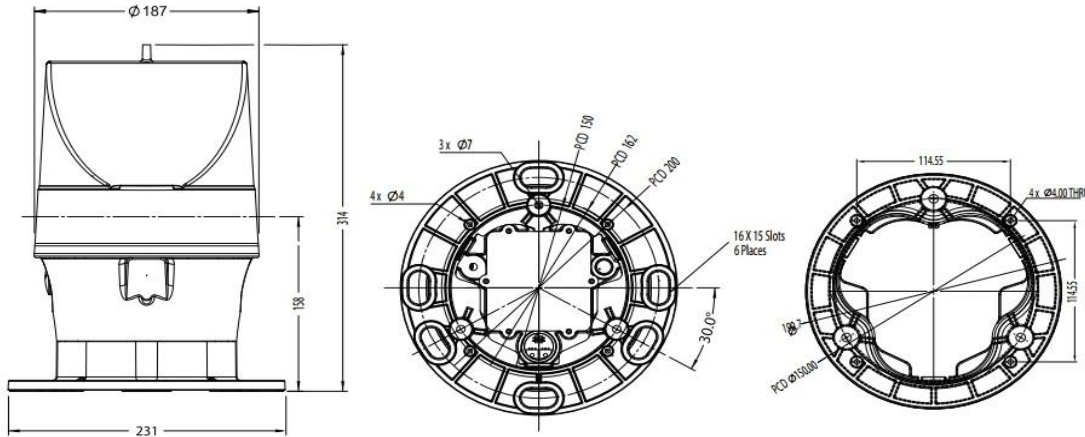
Standard



Optional



Number	Description	Typical Maximum Intensity (cd)	
		SL-75-7D	SL-75-5D
904230	SL-75 White 17Ah	131	183
904231	SL-75 Yellow 17Ah	65	87
904232	SL-75 Red 17Ah	98	143
904233	SL-75 Green 17Ah	104	109



**Sealite SL-75 dimensions**



**SL-B1250**



**SL-B1500**



**Poseidon-1750**



**Nautilus-2200**

**Sealite optional IR Remote Control**

The IR Remote Control is used to communicate with Sealite lighting products the have an IR sensor fitted.

The remote control is used for the following functions:

- \* Flash Code: read the current flash code, configure a new flash code.
- \* Lamp Intensity Level: read the current lamp intensity, configure a new intensity level.
- \* Ambient Light Thresholds: read the current light thresholds, configure new ambient light thresholds.
- \* Perform a battery health check.

Number	Description
904100	Sealite SL-IRC IR Programmer



## 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 256 IALA recommended (adjustable).

Intensity Adjustments: Multiple intensity settings.

LED Life Expectancy >100.000 hours

### **Electrical Characteristics**

Current Draw (mA) refer to Sealite power calculator

Circuit Protection Integrated.

Nominal voltage (V) 12

Autonomy (days) >60 (14 hour darkness, 12,5% duty cycle)

Temperature range: -40 to +80°C

### **Solar Characteristics**

Solar module type: Multicrystalline

Output (watt) 12 (4x3W)

Charging regulation: Microprocessor Controlled.

### **Power Supply**

Battery type: High Gel SLA

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

Nominal voltage (V) 12

### **Physical Characteristics**

Body Material: 7-stage powder-coated aluminium chassis with UV-stabilised rubber corners and gaskets.

Lens Material: LEXAN® Polycarbonate - UV-stabilised.

Lens diameter (mm/inches): 98 / 3.7/8

Lens Design: Single LED optic

Mounting: 3 & 4 holes 200mm bolt pattern.

Height (mm/inch): 433 / 17

Width (mm/inch): 233 / 9.1/5

Weight: 9.4 kilo

Product Life Expectancy: Up to 12 years.

### **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 pole mount adapter plate.

IR Programmer.

External ON/OFF switch.

External Battery Charging Port.

GPS Synchronisation: Enable / Disable.

5° Lens



Number	Description	Intensity (cd)*
904242	SL-C310 White 12Ah	156
904243	SL-C310 Yellow 12Ah	95
904244	SL-C310 Red 12Ah	121
904245	SL-C310 Green 12Ah	88
904246	SL-C310 Blue 12Ah	

Number = 12Ah + 20W Solar Base (H= 484mm) (SATCOM 504mm) with compact body (solar panels)

Number + 24S1 = 24Ah + 28W Solar Base (H=581mm) (SATCOM 601mm) with standard body (solar panels)

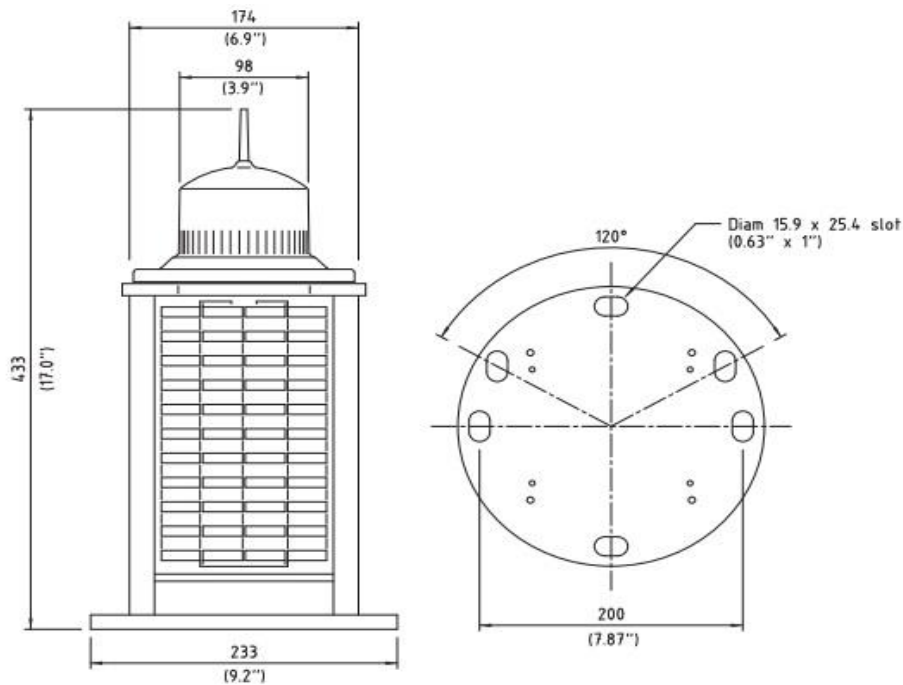
Number + 24S2 = 24Ah + 33,6W Solar Base (H=640mm SATCOM 660mm) with extended body (solar panels)



Optional ON/OFF Switch



Optional External Battery Charging Port



### Sealite SL-C310 dimensions

More possibilities on request.

Ask for the SL-C310 options for Satellite monitoring via the STAR2M Satellite system.

