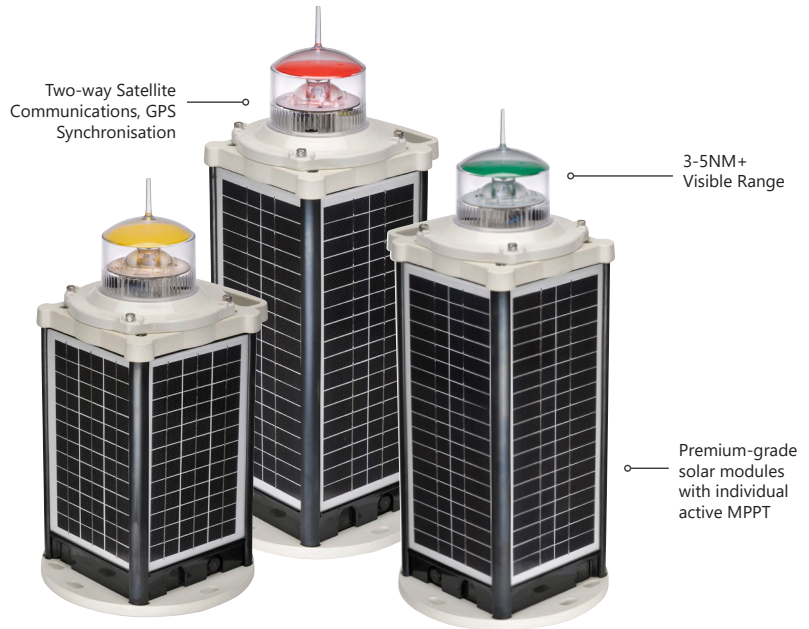


The **SL-C310** is a robust, self-contained range of 3-5NM+ Solar LED marine lanterns. The range is available in three chassis sizes with satellite connectivity offered as an option.

### Key Features:

- Intensity Range of 3-5NM+
- Enhanced Optics
- GPS synchronisation
- High performance, premium-grade solar modules with active MPPT
- Satellite Communications Enabling Two-Way Monitoring

Standard	Optional
GPS Sync	SATCOM
	IR Programmer



### Intensity Range

The SL-C310 lantern range utilise leading technology LEDs for a visible range of 3-5NM+.

### Enhanced Optics

The optics and lens design ensures that vessel operators can clearly see the light from above when passing the AtoN.

### Solar Efficiency

Designed with next generation solar technology including individual active MPPT (maximum power point tracking), maximising the power extracted from the solar panels for improved performance and efficiency.

### Three Size Options

The SL-C310 range is available in three chassis sizes (compact, standard and extended) to accommodate larger battery capacity and additional solar charging capability.

### Satellite Communications

The SL-C310 range is available with an optional integrated Iridium® Satellite module enabling two-way monitoring and control using the Iridium® Low Earth Orbit satellite network.

Control and monitoring is accessible through the proprietary Star2M® portal.



SL-C310 Range\_DATA\_EN\_V3.3

## SL-C310

## Compact

## Standard

## Extended

## Light Characteristics

Light Source	LED		
Available Colours	Red, Green, White, Yellow, Blue		
Typical Maximum Intensity	Red - 121, Green - 88, White - 156, Yellow - 95		
Visible Range (NM)	AT @ 0.74: 3-5		
Horizontal Output (degrees)	360		
Vertical Divergence (degrees)	>7		
Available Flash Characteristics	Up to 310 IALA recommended (user adjustable)		
Intensity Adjustments	Multiple intensity settings		
LED Life Expectancy (hours)	> 100,000		

## Electrical Characteristics

Current Draw (mA)	Refer to Sealite Solar Calculator		
Circuit Protection	Integrated		
Nominal Voltage (V)	12		
Autonomy (nights)	>60 (14 hour darkness, 12.5% duty cycle)		>110 (14 hour darkness, 12.5% duty cycle)

## Solar Characteristics

Solar Module Type	Monocrystalline		
Output (watts)	20 (4 x 5watt)	28 (4 x 7watt)	33.6 (4 x 8.4watt)
Charging Regulation	MPPT		

## Power Supply

Battery Type	SLA (Sealed Lead Acid)		
Battery Capacity (Ah)	12		24

## Physical Characteristics

Body Material	Aluminium chassis with UV-stabilised rubber corners & gaskets. Polymer composite-moulded top and base		
Lens Material	LEXAN® Polycarbonate – UV stabilised		
Lens Diameter (mm/inches)	99 / 3 7/8		
Lens Design	Single LED Optic		
Mounting	3 and 4 hole 200mm bolt pattern		
Height - Base Model (mm/inches)	484 / 19 1/16	581 / 22 7/8	640 / 25 13/64
Height - SATCOM Model (mm/inches)	504 / 19 27/32	601 / 23 21/32	660 / 25 63/64
Width (mm/inches)	234 / 9 1/4	234 / 9 1/4	234 / 9 1/4
Mass (kg/lbs)	9.1 / 20	13.9 / 30 1/2	14.6 / 32 1/4
Service Life	15 years ^		

## Environmental Standards

Shock	MIL-STD-202G Test Condition H, Method 213B 30G vertical and 35G horizontal shock		
Vibration	MIL-STD-202G, Test Condition B, Method 204D 5G in all axes		
Ice Loading	Rated to withstand 22kg/m <sup>2</sup>		
Salt Fog	MIL-STD-810F Method 509.4		
Rain Test	MIL-STD-810F Method 506.4 procedure 1		
Wind Exposure	Rated to withstand 140 knots		
Humidity	MIL-STD-810F method 507.4 (0 – 100%, condensing)		
Temperature Range	-30 to 50°C		

## Compliance

CE	EN61000-6-2:2005, IEC61000-4-2:2008, IEC61000-4-3:2010, IEC61000-6-1:2016		
IALA	Signal colors compliant to IALAE-200-1		
Ingress Protection	IP68		

## Intellectual Property

Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd		
Warranty *	3 years		
Options Available	• 50mm pole mount adapterplate • Satellite Communications	• External Battery Charging Port	• External ON/OFF Switch

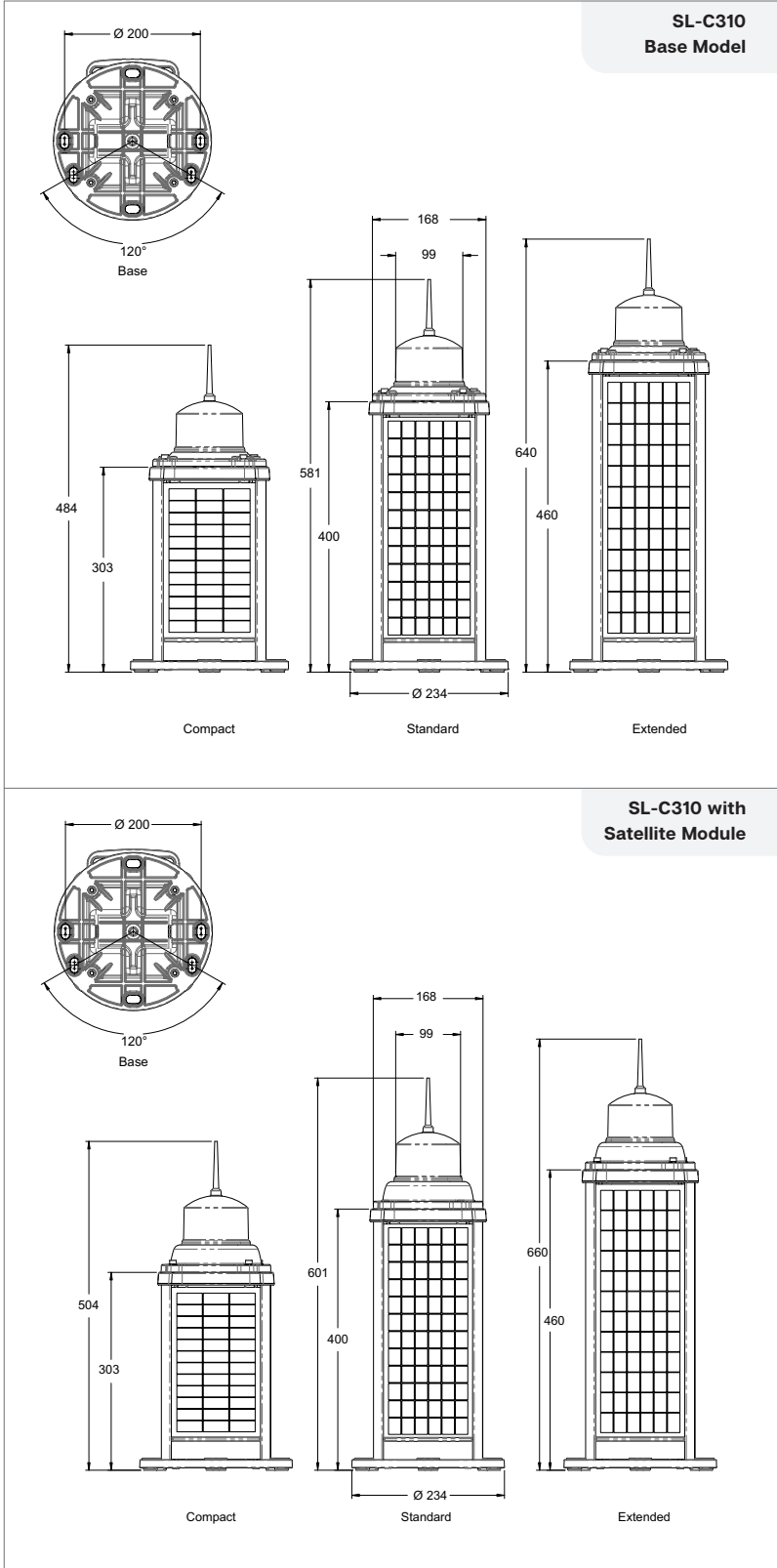


• Specifications subject to change or variation without notice  
† Intensity setting subject to solar availability

\* Subject to standard terms and conditions  
^ Refer to the Sealite website under the warranty section

SL-C310 Range\_DATA\_EN\_V3.3

## Technical Illustrations



## Ordering This Product

SL-C310-07D-[XXXX]-[X]-[XX]



- 1 Product Number**
- 2 Lens Type**  
07D (7 Degree)
- 3 Chassis Configuration**  
S2C0 (Compact)  
S2C1 (Standard)  
S2C2 (Extended)
- 4 LED Option:**  
W White  
Y Yellow  
G Green  
R Red  
B Blue
- 5 Option Configuration**  
00 No Options  
01 Switch  
02 Charge Port  
03 Charge Port and Switch  
04 SAT Only  
05 SAT with Switch  
06 SAT with Charge Port  
07 SAT with Charge Port and Switch