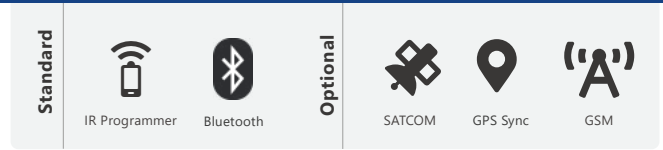




The SL-75 lantern is a next-generation solar marine lantern with up to 5NM visible range. Its dual panel design is unique in its ability to 'track the sun' and operate reliably in low sunlight environments such as the UK, Canada and Europe.

### Key Features:

- Intensity range of up to 5NM
- Dual high performance solar modules, angled for maximum sunlight capture
- Enhanced optics
- Bluetooth programming and maintenance
- GPS synchronisation, GSM monitoring and control, and Satellite Connectivity as options



### Bluetooth Programming and Maintenance

Completely programmable via the SealitePro® App, configure and monitor the SL-75 from a distance up to 50 metres. An inbuilt solar calculator confirms the lanterns optimal operating performance, at the set location.

### Dual High Performance Solar Modules

Angled solar modules obtain maximum sunlight capture, allowing the unit to operate reliably in a range of low sunlight environments. Tilted solar modules are less susceptible to fouling or snow cover.

### GPS Synchronisation (optional)

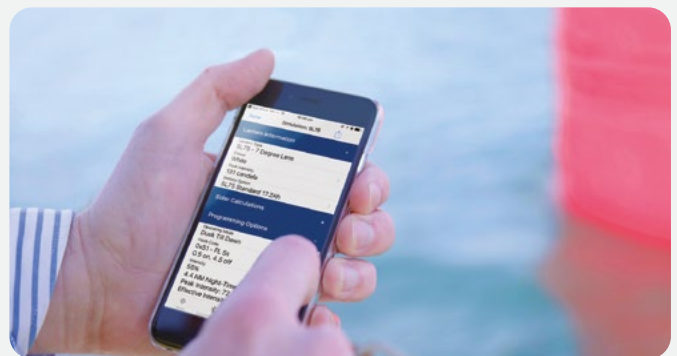
Synchronise two or more lanterns to flash in unison via an internal GPS module. Synchronised flash helps to clearly distinguish from other aids to navigation and background lighting - ideal for rivers, marina entrances, channel marking and aquaculture applications.

### GSM Monitoring & Control System (optional)

Access real-time diagnostic data and adjust lantern settings via cell-phone. Lantern can be configured to send alarms via SMS text messages or email including lantern reporting.

### Accessible Via Star2M

The SL-75 is available with an optional integrated Iridium® Satellite module enabling two-way monitoring and control using the Iridium® Low Earth Orbit satellite network.



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**SL75**

**Light Characteristics**

Light Source	High Efficiency LED
Available Colours	Red, Green, White, Yellow, Blue
Typical Maximum Intensity (cd) <sup>†</sup>	Red - 76 Green - 104 White - 131 Yellow - 65
SL-75-7D	Red - 111 Green - 129 White - 183 Yellow - 87
SL-75-5D	
Visible Range (NM)	3-5
Horizontal Output (degrees)	360
Vertical Divergence (degrees)	7 (standard) / 5 (optional)
Available Flash Characteristics	310 plus custom characters
Intensity Adjustments	Multiple intensity settings
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	Monocrystalline
Output (watts)	5 (2 x 2.5 watt)

**Power Supply**

Battery Type	High grade NiMH
Battery Capacity (Ah) - Standard	17.2
- Large	21.5
- X Large	28.8
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/inches)	Standard: 314 / 12 3/8 SATCOM: 361 / 14 1/2
Width (mm/inches)	231 / 9 1/8
Mass (kg/lbs)	2.5 / 5 1/2 (standard model)
Product Life Expectancy	Up to 12 years ^

**Compliance**

CE	IFCC Part 15 Rules & ICES-003 EN61000-6-1:2007, IEC61000-6-1:2005, EN61000-6-3:2007, IEC61000-6-3:2006
IALA	Signal colors compliant to IALAE-200-1
Ingress Protection	IP68

**Intellectual Property**

Trademarks	SEALITE® and Star2M® are registered trademarks of Sealite Pty Ltd
Warranty *	3 years
Options Available	<ul style="list-style-type: none"> <li>• Satellite Connectivity</li> <li>• GPS Synchronisation</li> <li>• GSM Monitoring &amp; Control System</li> <li>• SL-75-5D (5 Degree divergence model)</li> <li>• Charging Port</li> <li>• 21Ah and 29Ah larger battery capacity options</li> <li>• Bird Deterrent</li> </ul>

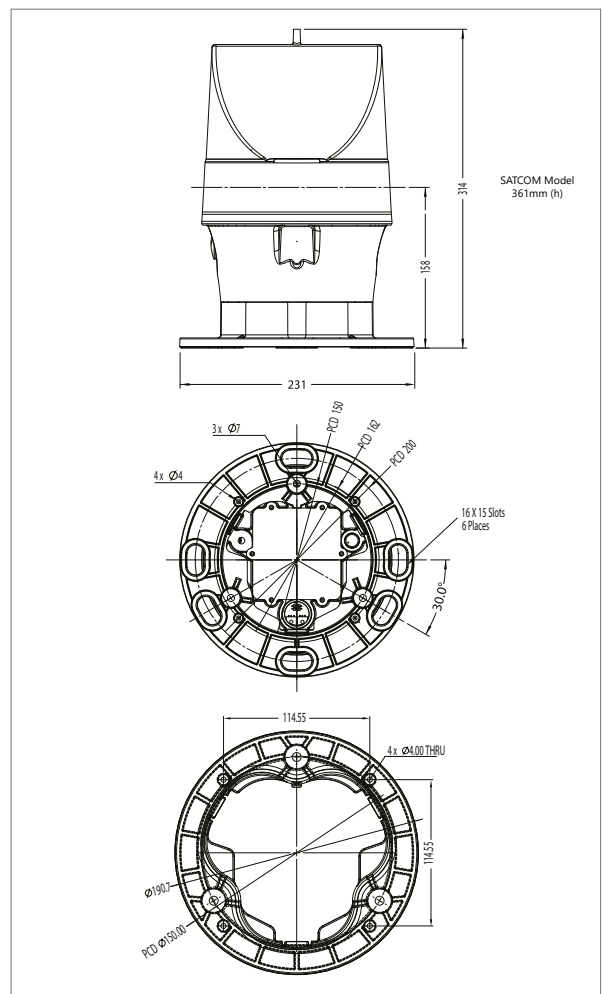
**Ordering This Product**

SL-75-[XXD]-[BX]-[X]-[XX]-[XX]



- 1 Product Number**
- 2 Lens Option:**  
05D 5 Degree  
07D 7 Degree
- 3 Battery Option:**  
B1 17Ah battery  
B2 21Ah battery  
B3 29Ah battery
- 4 LED Option:**  
W White  
Y Yellow  
G Green  
R Red  
B Blue
- 5 Internal Options**  
00 No internal options  
01 GPS  
02 Satellite (GPS)  
03 GSM (GPS)
- 6 External Options**  
00 No external options  
01 On/Off Switch  
02 Charge Port  
03 On/Off Switch + Charge Port

**Technical Illustrations**



• Specifications subject to change or variation without notice  
\* Subject to standard terms and conditions  
† Intensity setting subject to solar availability  
^ Refer to the Sealite website under the warranty section

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