# 3NM Solar Barge Light

## BargeSafe™ Solar 3NM

IALA

The BargeSafe™ Solar 3NM is a solar powered, fully self-contained LED barge light. It is certified to UL 1104 and COLREG-72 compliant with 3NM visible range.



GREEN (112.5°)   YELLOW (225°)   RED (112.5°)   WHITE (135°)



- 1 watt ultra high intensity LED
- Convenient ON/OFF switch
- Integrated handle
- 4 x 3 watt (12 watts in total) monocrystalline solar modules
- Sealite's world-class sectored lens for UL 1104 certified and COLREG-72 configurations as well as 360° all round lights
- Automatic night activation
- Internal 12Ah battery
- Peep light connector (optional)

## Key Features:

- 3NM visible range
- Precise intensity and sectoring from a single LED
- Fully self-contained with solar modules and battery
- All round 360° light configuration with flashing or steady-on flash characteristics*
- Optional Peep-Light

## Intensity Range

The BargeSafe™ Solar 3NM light utilises a single leading technology LED for a visible range of 3NM.

## Enhanced Optics

The optics and lens design by Sealite's world-class engineering team.

## Fully Self-Contained and Durable

Made with a robust aluminium chassis with rubber extrusion corners. The BargeSafe™ Solar 3NM is fully self-contained including solar modules and internal battery. The top of the light is coloured for easy identification of light output colour.
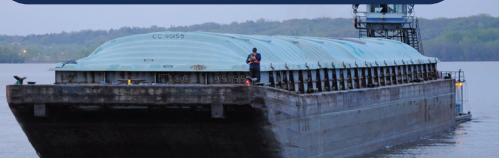
## Easy Installation

Installs in minutes, requires no operator intervention and has a permanent ON/OFF switch for easy storage.
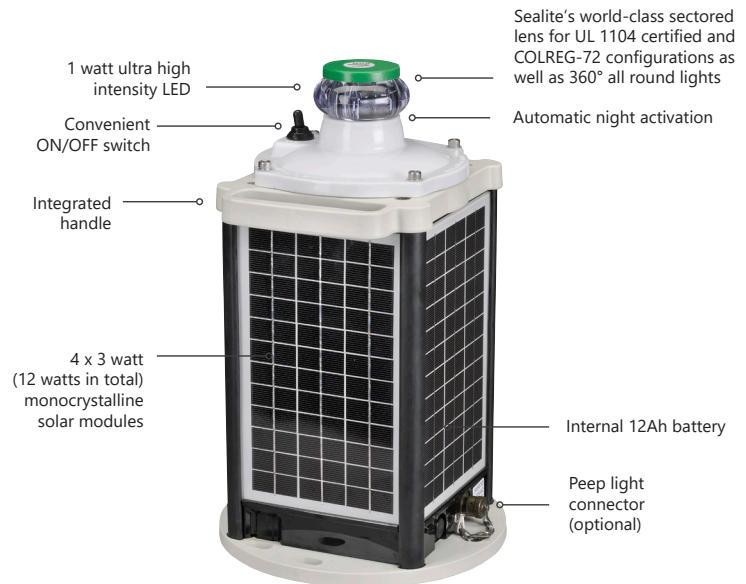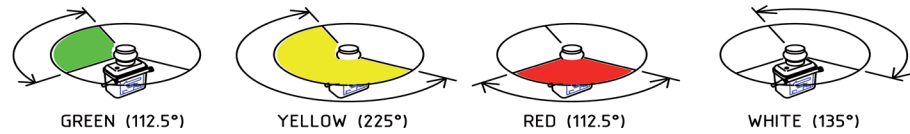
## Optional Peep-Light

The blue steady-on light assists in the navigation of inland waterways. It guides mariners when maneuvering the barge into dock and to help determine the swing of the bow when viewed from the stern. The Peep-Light comes standard with 12V rechargeable battery connection.

**Sealite**®

Visit our website at
www.sealite.com

**Head Office**
+61 (0)3 5977 6128

**Americas**
+1 (603) 737 1301

**UK**
+44 (0)1502 588026

**Asia**
+65 6908 2917

Certified System
ISO 9001

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### Light Characteristics

| | |
|---|---|
| Light Source | Using 1 watt ultra-high intensity LED (sectored configuration) |
| Available Colours | Red, Green, White, Yellow as per UL 1104 & COLREG-72 |
| Maximum Available Intensity (cd)† | As per UL 1104 & COLREG-72 |
| Visible Range (NM) | AT @ 0.74: >3NM as per UL 1104 & COLREG-72 |
| | AT @ 0.85: >3.5NM as per UL 1104 & COLREG-72 |
| Horizontal Output (degrees) | Red - 112.5°  Green - 112.5°  White - 135° Yellow - 225° as per UL 1104 & COLREG-72. |
| LED Life Expectancy (hours) | >100,000 |

### Electrical Characteristics

| | |
|---|---|
| Current Draw (mA) | Minimal |
| Circuit Protection | Integrated |
| Nominal Voltage (V) | 12 |
| Temperature Range | -40 to 80°C |

### Solar Characteristics

| | |
|---|---|
| Solar Module Type | Monocrystalline |
| Output (watts) | 20 (4 x 5 watt) |
| Charging Regulation | Microprocessor controlled |

### Power Supply

| | |
|---|---|
| Battery Type | SLA (Sealed Lead Acid) |
| Battery Capacity (Ah) | 12 |
| Nominal Voltage (V) | 12 |
| Autonomy (days) | >24 |

### Physical Characteristics

| | |
|---|---|
| Body Material | Aluminium chassis with UV-stabilised rubber corners and gaskets. Polycarbonate composite moulded top and base |
| Lens Material | Acrylic |
| Lens Mount & Top | Anodised aluminium |
| Lens Design | Internal single LED cavity with individual sectoring compartments to meet all UL 1104 & COLREG-72 angles for light output. Internal 3 x LED cavities to suit 360° all round light configuration |
| Mounting | 3 & 4 hole 200mm bolt pattern |
| Height (mm/inches) | 390 / 15 ⅖ |
| Width (mm/inches) | 233 / 9 ⅕ |
| Mass (kg/lbs) | 9.2 / 20 ¼ |
| Product Life Expectancy | Up to 12 years ^ |

### Compliance

| | |
|---|---|
| Approvals | UL 1104. COLREG-72 |
| IALA | Signal colors compliant to IALAE-200-1 |
| Ingress Protection | IP67 |

### Intellectual Property

| | |
|---|---|
| Trademarks | SEALITE® is a registered trademark of Sealite Pty Ltd |
| | BargeSafe™ is a trademark of Sealite Pty Ltd |
| Warranty * | 1 year |

(Yellow required for inland waters)
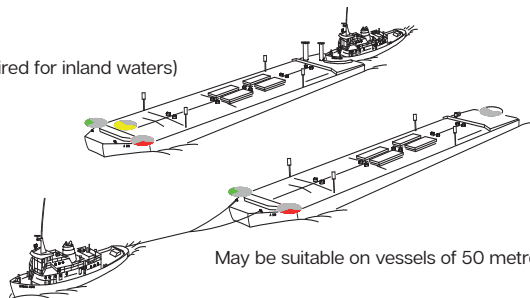
May be suitable on vessels of 50 metres or more in length.

## Ordering This Product

SL-BLS-3-B1-[X]-[XX]

**1** **2** **3** **4**

(Optional Peep Light: SL-BL-PL)

**1 Product Number**
Sealite BargeSafe 3NM

**2 Battery**
12Ah - Sealed Lead Acid

**3 Colour**

| | |
|---|---|
| W | White |
| Y | Yellow |
| G | Green |
| R | Red |

**4 Options**

| | |
|---|---|
| 00 | No options |
| 01 | Peep light connector |
| 02 | 360° lens |

Available with optional
Peep-Light (SL-BL-PL)

## Technical Illustrations

120°

Diam 15.9 x 25.4 slot
(0.63" x 1")

200
(7.87")

172
(6.8")

72
(2.8")

390
(15.4")

233
(9.2")

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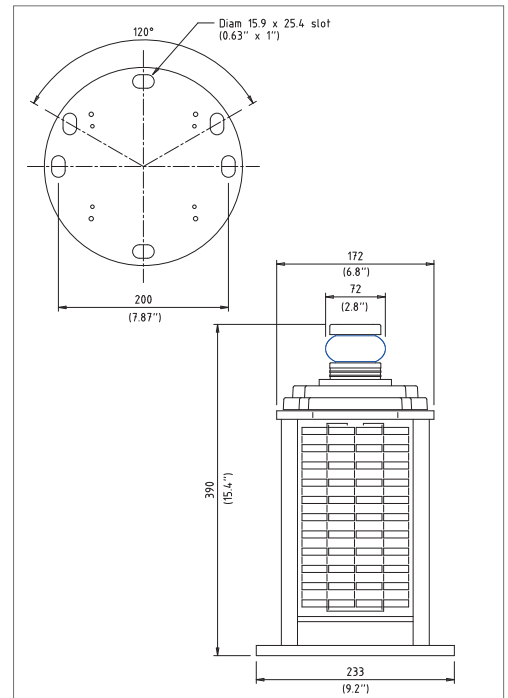
• Specifications subject to change or variation without notice
* Subject to standard terms and conditions
† Intensity setting subject to solar availability
^ Refer to the Sealite website under the warranty section

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