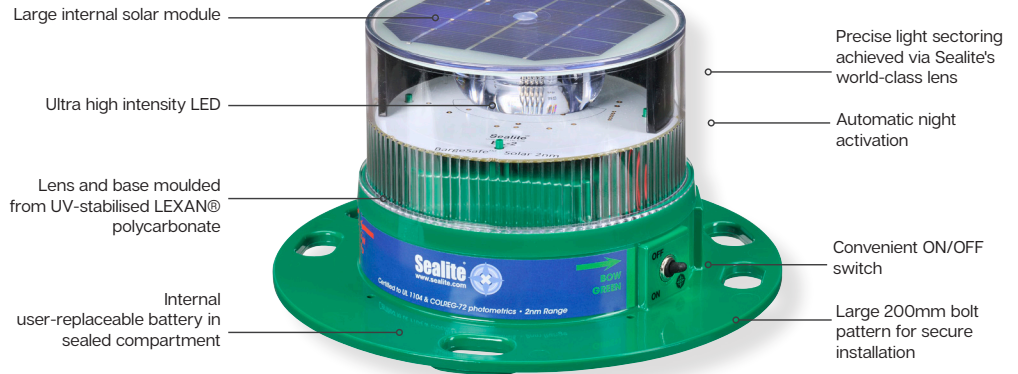


# 2NM Solar Barge Light

BargeSafe™ Solar 2NM



Optional Peep-Light available



Meets UL 1104 Applicable Sections for a 2NM Barge Light & COLREG-72 Compliant

The Sealite BargeSafe™ Solar 2NM is a solar-powered barge light designed to meet UL 1104 and COLREG-72 standards.

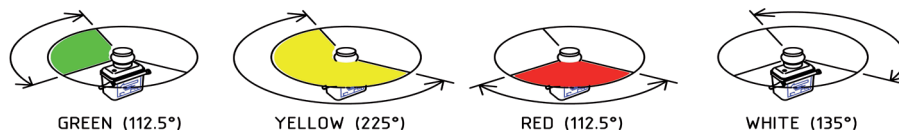
The LED barge light sets a new standard and incorporates a host of innovative features designed to make the unit extremely user-friendly.

The world-class LED lens is designed and manufactured by Sealite and achieves precise intensity and sectoring requirements from a single LED light source.

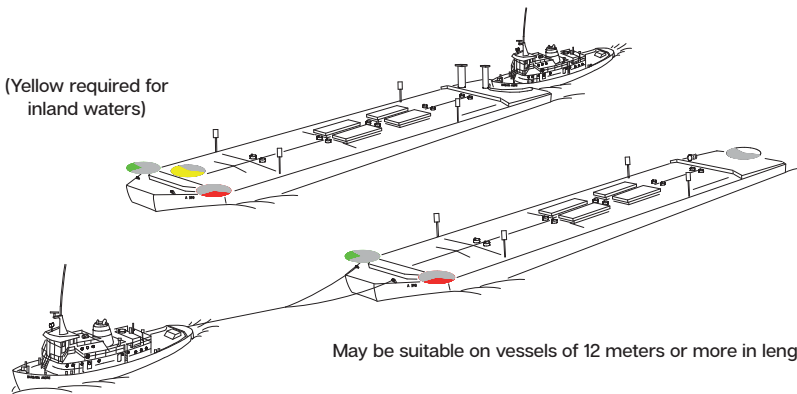
Made from tough, durable polycarbonate and using the latest high intensity LED and a uniquely designed lens the BargeSafe™ Solar 2NM light has an incredibly low power consumption. The light can be installed in minutes, requires no operator intervention and has a permanent ON/OFF switch for easy storage.

During daylight hours the solar module will charge the battery and the light will automatically begin operation at dusk – once the ambient light threshold drops sufficiently.

The sealed battery compartment allows the battery to be replaced after years of service.



(Yellow required for inland waters)



## User Advantage

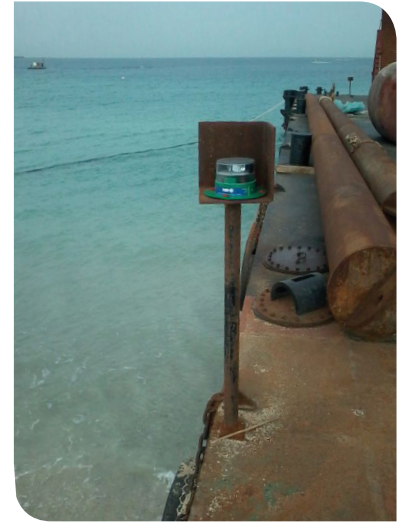
- 2NM visible range
- Certified to UL 1104 & COLREG-72 photometrics
- Ultra low power consumption
- Precise light sectoring achieved via Sealite's world-class lens
- Advanced LED technology
- Completely self-contained solar/battery light
- User-replaceable battery in sealed compartment
- NiMH battery for long service life & wide temperature range
- ON/OFF storage switch

## Reliable

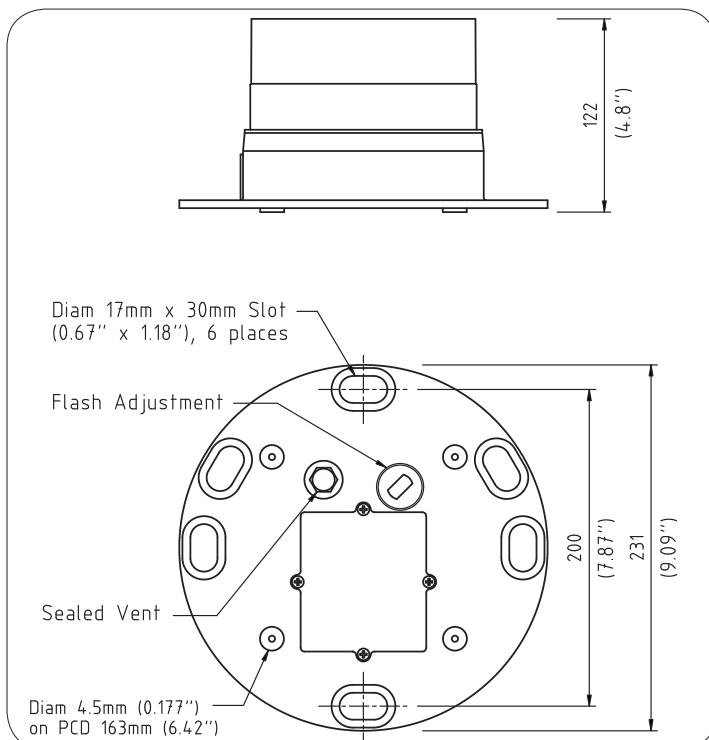
- IP68 waterproof
- Robust

## Technical Specifications \*

BargeSafe™ Solar 2NM	
<b>Light Characteristics</b>	
Light Source	1 ultra-high intensity LED
Available Colours	Red, Green, White, Yellow
Visible Range (NM)	AT @ 0.74: 2+ AT @ 0.85: 2.3+
LED Life Expectancy (hours)	>100,000
<b>Electrical Characteristics</b>	
Circuit Protection	Integrated
Nominal Voltage (V)	3.6
Autonomy (days)	>20
Temperature Range	-40 to 80°C
<b>Solar Characteristics</b>	
Solar Module Type	Multicrystalline
Output (watts)	1.4
<b>Power Supply</b>	
Battery Type	High grade NiMH
Battery Capacity (Ah)	8
Nominal Voltage (V)	3.6
<b>Physical Characteristics</b>	
Body Material	LEXAN® Polycarbonate – UV-stabilised
Lens Material	LEXAN® Polycarbonate – UV-stabilised
Lens Diameter (mm/inches)	150 / 5 7/8
Lens Design	Internal optics
Mounting	3 & 4 hole 200mm bolt pattern
Height (mm/inches)	122 / 4 7/8
Width (mm/inches)	231 / 9 1/4
Mass (kg/lbs)	1 / 2 1/4
Product Life Expectancy	Up to 12 years ^
<b>Certifications</b>	
Approvals	UL 1104. COLREG-72
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO 9001:2015
Waterproof	IP68
<b>Intellectual Property</b>	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd BargeSafe™ is a trademark of Sealite Pty Ltd
Warranty *	1 year
Options Available	• 16Ah battery • 50mm pole mount adapter plate



## Technical Illustrations



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\* Subject to standard terms and conditions + Intensity setting subject to solar availability

• Specifications subject to change or variation without notice  
^ Refer to the Sealite website under the warranty section



# 3NM Solar Barge Light

BargeSafe™ Solar 3NM



Available with optional Peep-Light

1watt ultra-high intensity LED  
Convenient ON/OFF switch

Integrated handle

Robust aluminium chassis  
with rubber extrusion  
corners

3 and 4 hole bolt pattern  
on 200mm base for ease  
of installation



Sealite's world-class  
sectored lens for UL 1104  
certified and COLREG-72  
configurations as well as  
360° all round lights

Automatic night  
activation

4 x 3watt (12 watts in  
total) monocrystalline  
solar modules, ensuring  
maximum light collection  
to charge the battery

Internal 12Ah battery

External charging port

## Meets UL 1104 Applicable Sections for a 3NM Barge Light & COLREG-72 Compliant

The Sealite BargeSafe™ Solar 3NM solar-powered LED barge light is certified to UL 1104 and COLREG-72 photometrics, and is completely self-contained with solar modules and battery.

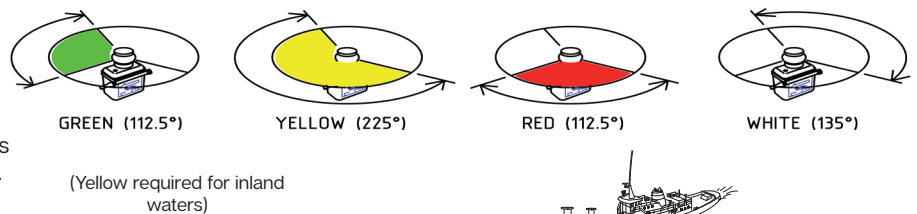
The LED barge light is one of the most advanced in its class, and incorporates a host of innovative features designed to make the unit extremely user-friendly.

The world-class LED lens is designed by Sealite and achieves precise intensity and sectoring requirements from a single LED light source. This design helps achieve a lower operational current compared with alternative LED barge lights – making the unit ultra efficient.

Four (4) premium-grade solar modules are integrated into the assembly, and mounted to collect sunlight at all angles.

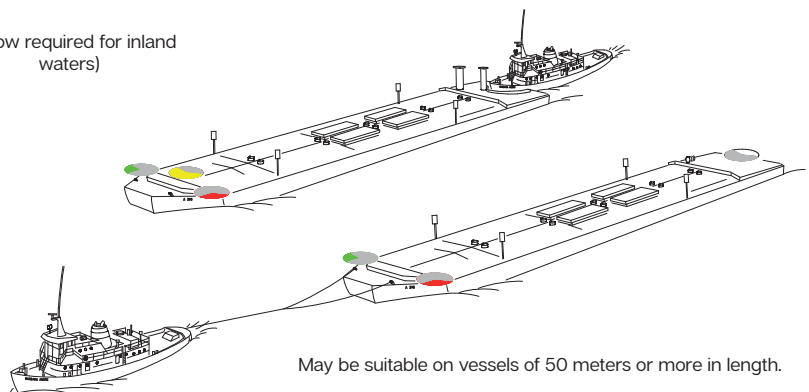
### All Round 360° Light Configuration

The Sealite BargeSafe™ Solar 3NM is also available as a 360 degree all round light with either flashing or steady-on flash characteristics. Please note, this configuration is only available when fitted with a 12 volt battery.



### Optional Peep-Light

Sealite BargeSafe™ Solar 3NM is available with an optional Peep-Light for the SL-BLSY-3-S light to assist in the navigation of inland waterways. This blue steady-on light is used to guide mariners when manoeuvring 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.



### User Advantage

- 3NM visible range
- Certified to UL 1104 & COLREG-72 photometrics
- All components user-replaceable in the unlikely event of damage
- Complete self-contained solar/battery light
- LED technology
- Precise light sectoring achieved via Sealite's world-class in-house designed lens
- Installs in seconds
- Low power consumption

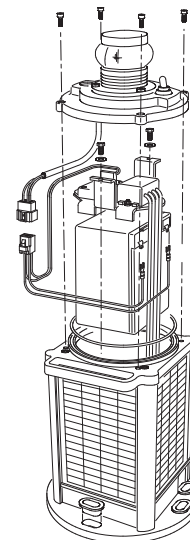
### Reliable

- IP67 waterproof
- Robust

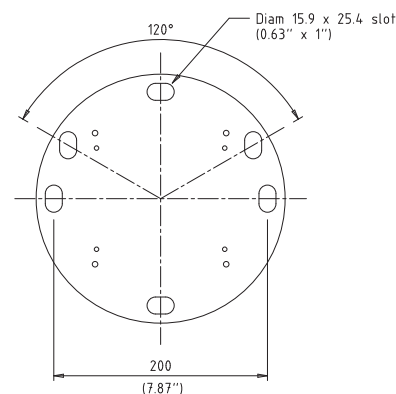
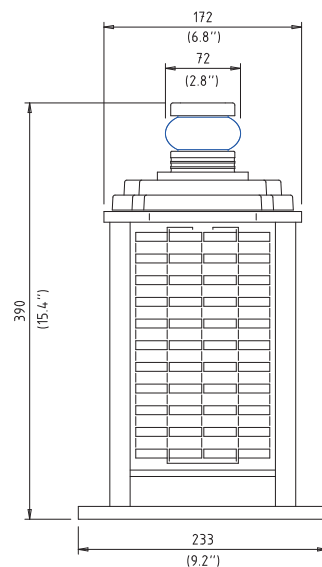
## Technical Specifications \*

BargeSafe™ Solar 3NM	
<b>Light Characteristics</b>	
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.
Flash Characteristics	As per UL 1104 & COLREG-72 (steady-on & flashing)
LED Life Expectancy (hours)	>100,000
<b>Electrical Characteristics</b>	
Current Draw (mA)	Minimal
Circuit Protection	Integrated
Nominal Voltage (V)	12
Temperature Range	-40 to 80°C
<b>Solar Characteristics</b>	
Solar Module Type	Monocrystalline
Output (watts)	12 (4 x 3watt)
Charging Regulation	Microprocessor controlled
<b>Power Supply</b>	
Battery Type	SLA (Sealed Lead Acid)
Battery Capacity (Ah)	12
Nominal Voltage (V)	12
Autonomy (days)	>24
<b>Physical Characteristics</b>	
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 5/8
Width (mm/inches)	233 / 9 1/4
Mass (kg/lbs)	9.2 / 20 1/4
Product Life Expectancy	Up to 12 years ^
<b>Certifications</b>	
Approvals	UL 1104, COLREG-72
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO 9001:2015
Waterproof	IP67
<b>Intellectual Property</b>	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd BargeSafe™ is a trademark of Sealite Pty Ltd
Warranty *	1 year

## Technical Illustration



Convenient user-replaceable battery



### HOW TO ORDER SOLAR 3NM BARGE LIGHT

SL-BLS3-S2-[-?]

Product No.:

Range:  
3NM

Series:

Colour:



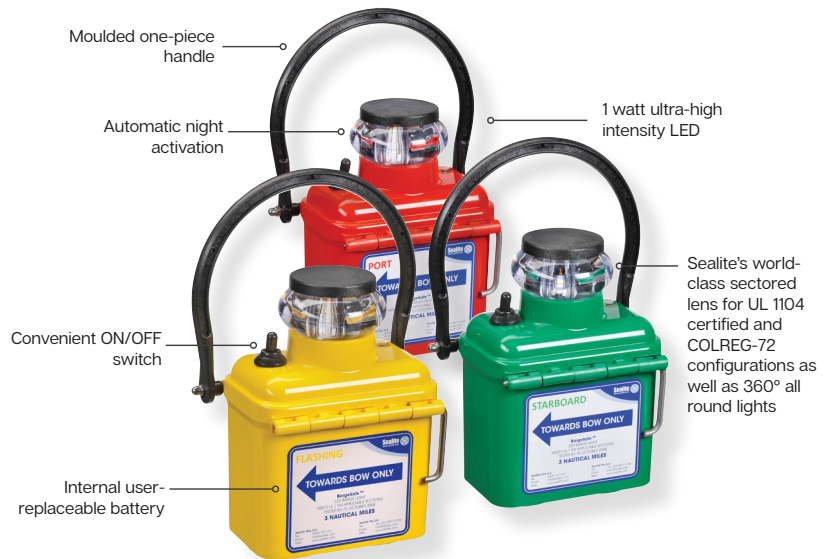
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# 3NM Barge Light

BargeSafe™ 3NM

Meets UL 1104 Applicable Sections for a 3NM Barge Light & COLREG-72 Compliant

The Sealite BargeSafe™ 3NM battery powered LED barge light is certified to UL 1104 and COLREG-72 compliant with >3NM visible range.



The LED barge light is one of the most advanced in its class, and incorporates a host of innovative features designed to make the unit extremely user-friendly.

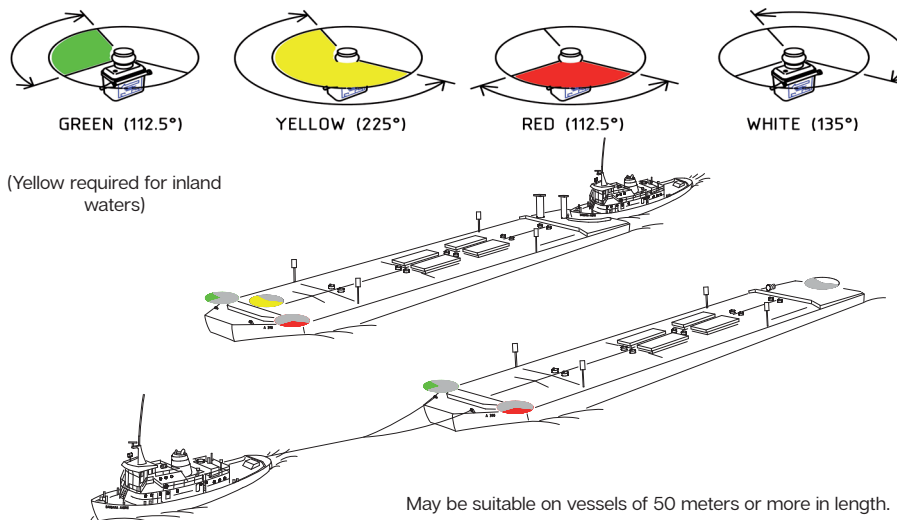
The world-class LED lens is designed and manufactured by Sealite and achieves precise intensity and sectoring requirements from a single LED light source. This design helps achieve a lower operational current compared with alternative LED barge lights – making the unit ultra efficient and offering a battery run time of up to 45 nights.

The barge light casing and handle are injection-moulded from UV-stabilised polycarbonate – offering enormous impact resistance and long operational life. The casings are coloured for easy identification of light output colour.

Two strong magnets in base provides strong fixing in position to the barge deck.

## All Round 360° Light Configuration

The Sealite BargeSafe™ 3NM is also available as a 360 degree all round light with either flashing or steady-on flash characteristics.



### User Advantage

- Certified to UL 1104 & COLREG-72 photometrics
- LED technology
- Precise light sectoring achieved via Sealite's world-class in-house designed lens
- 3NM visible range
- Installs in seconds
- Low power consumption
- Installs in seconds

### Reliable

- IP67 waterproof
- Robust

## Technical Specifications •\*

### BargeSafe™ 3NM

#### Light Characteristics

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

#### Electrical Characteristics

<b>Circuit Protection</b>	Integrated
<b>Working Voltage Range (V)</b>	4 - 16
<b>Temperature Range</b>	-40 to 80°C

#### Power Supply

<b>Battery Type</b>	Air Alkaline (recommended)
<b>Battery Capacity (Ah)</b>	45Ah (Air Alkaline)
<b>Nominal Voltage (V)</b>	6V (Air Alkaline)
<b>Autonomy (days)</b>	>45

#### Physical Characteristics

<b>Battery Housing</b>	LEXAN® Polycarbonate – UV-stabilised
<b>Lens Material</b>	Acrylic
<b>Lens Mount &amp; Top</b>	Anodised aluminium
<b>Lens Design</b>	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
<b>Mounting</b>	2 x magnets
<b>Height (mm/inches)</b>	195 / 7 <sup>7</sup> / <sub>8</sub>
<b>Width (mm/inches)</b>	172 / 6 <sup>7</sup> / <sub>8</sub>
<b>Depth (mm/inches)</b>	108 / 4 <sup>1</sup> / <sub>4</sub>
<b>Mass (kg/lbs)</b>	1.5 / 3 <sup>1</sup> / <sub>4</sub>
<b>Product Life Expectancy</b>	Up to 12 years ^

#### Certifications

<b>Approvals</b>	UL 1104. COLREG-72
<b>IALA</b>	Signal colours compliant to IALA E-200-1
<b>Quality Assurance</b>	ISO 9001:2015
<b>Waterproof</b>	IP67

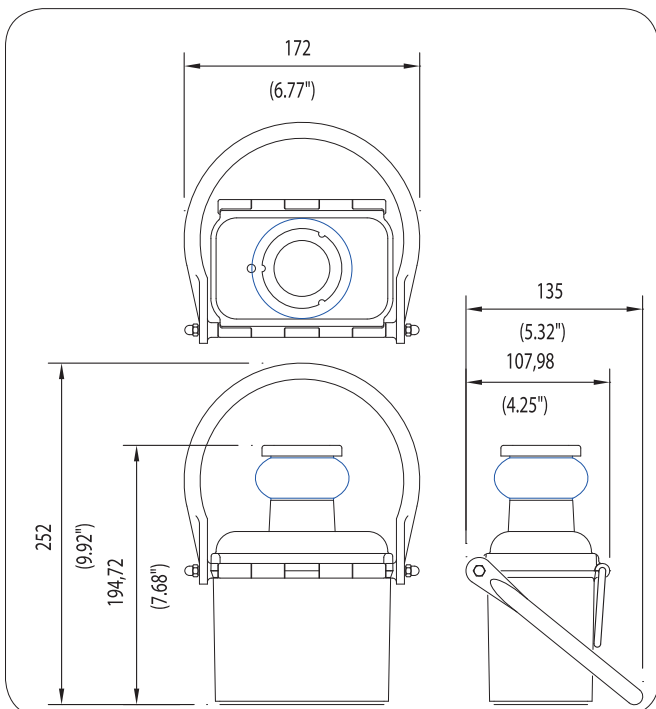
#### Intellectual Property

<b>Trademarks</b>	SEALITE® is a registered trademark of Sealite Pty Ltd BargeSafe™ is a trademark of Sealite Pty Ltd
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#### Warranty \*

1 year

## Technical Illustrations



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