2NM Solar Barge Light

BargeSafe™ Solar 2NM







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.

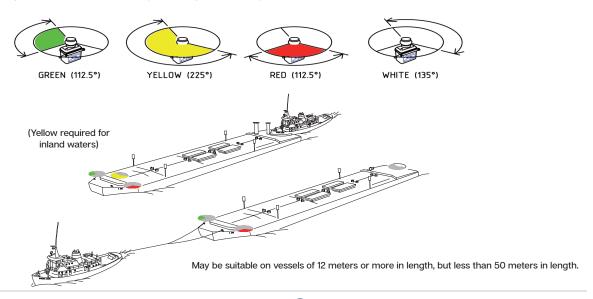
The LED barge light sets a new standard and incorporates a host of innovative features designed to make the unit extremely userfriendly.

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.





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 ·*

Battery Type Battery Capacity (Ah) Nominal Voltage (V) Physical Characteristics Body Material Lexan® Polycarbonate – UV-stabilised Lens Material Lexan® Polycarbonate – UV-stabilised Lens Diameter (mm/inches) Lens Design Internal optics Mounting 3 & 4 hole 200mm bolt pattern Height (mm/inches) 122 / 4¼ Width (mm/inches) 231 / 9½ Mass (kg/lbs) 1 / 2½ Product Life Expectancy Up to 12 years ^ Certifications Approvals IALA Signal colours compliant to IALA E-200-1 Quality Assurance Waterproof IP68 Intellectual Property Trademarks SEALITE® is a registered trademark of Sealite Pty Ltd BargeSafe™ is a trademark of Sealite Pty Ltd Warranty * Options Available 16Ah battery	rechnical Specifications • "	
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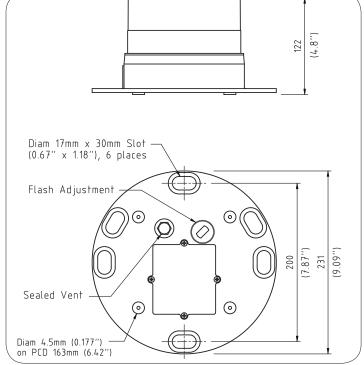








Technical Illustrations



We believe technology improves navigation $\ensuremath{^{\text{TM}}}$













Sealite Asia Pte Ltd

3NM Solar Barge Light

BargeSafe™ Solar 3NM



Available with optional Peep-Light



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.

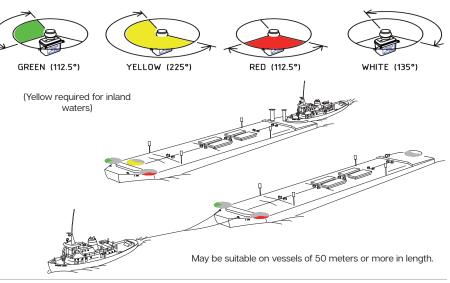
The world-class LED lens is designed by Sealite and achieves precise intensity and sectoring requirements from a single LED light source. This design helps achieve a lower operational current compared with alternative LED barge lights - making the unit ultra efficient. Four (4) premium-grade solar modules 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









Singapore

BargeSafe[™] Solar 3NM

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

As per UL 1104 & COLREG-72 Maximum Available Intensity (cd)†

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

Electrical Characteristics Current Draw (mA) Minimal **Circuit Protection** Integrated Nominal Voltage (V) 12

Temperature Range -40 to 80°C

Solar Characteristic Solar Module Type Monocrystalline Output (watts) 12 (4 x 3watt)

Microprocessor controlled **Charging Regulation**

Power Supply

Battery Type SLA (Sealed Lead Acid)

Battery Capacity (Ah) 12 Nominal Voltage (V) 12 >24 Autonomy (days)

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

Internal single LED cavity with individual sectoring Lens Design

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% Width (mm/inches) 233 / 9% Mass (kg/lbs) 9.2 / 201/4 **Product Life Expectancy** Up to 12 years ^

Certifications

Approvals UL 1104. COLREG-72

IALA Signal colours compliant to IALA E-200-1

Quality Assurance ISO 9001:2015

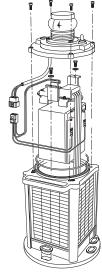
IP67 Waterproof Intellectual Property

Trademarks SEALITE® is a registered trademark of Sealite Pty Ltd

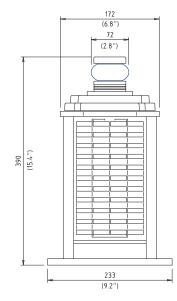
BargeSafe[™] is a trademark of Sealite Pty Ltd

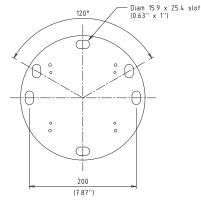
Warranty * 1 year

Technical Illustration



Convenient user-replaceable battery





HOW TO ORDER

	SOLAR 3NM BARGE LIGHT
	SL-BLS3-S2-[?]
Product No.: —	
Range: ——— 3NM	
Series:	
Colour:	







We believe technology improves navigation™











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.

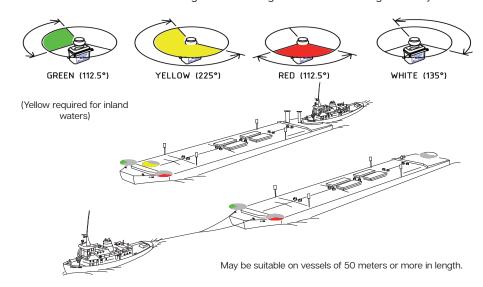
The world-class LED lens is designed and manufactured by Sealite and achieves precise intensity and sectoring requirements from a single LED light source. This design helps achieve a lower operational current compared with alternative LED barge lights - making the unit ultra efficient and offering a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



- IP67 waterproof
- Robust









Technical Specifications .*

Technical Specifications ⋅*	
	BargeSafe [™] 3NM
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.
Flash Characteristics	As per UL 1104 & COLREG-72 (steady-on & flashing). All round flashing RED
LED Life Expectancy (hours)	>100,000
Electrical Characteristics	
Circuit Protection	Integrated
Working Voltage Range (V)	4 - 16
Temperature Range	-40 to 80°C
Power Supply	
Battery Type	Air Alkaline (recommended)
Battery Capacity (Ah)	45Ah (Air Alkaline)
Nominal Voltage (V)	6V (Air Alkaline)
Autonomy (days)	>45
Physical Characteristics	
Battery Housing	LEXAN® Polycarbonate – UV-stabilised
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	2 x magnets
Height (mm/inches)	195 / 7 ^½ s
Width (mm/inches)	172 / 6½
Depth (mm/inches)	108 / 4½ 1.5 / 3½
Mass (kg/lbs)	
Product Life Expectancy	Up to 12 years ^
Certifications	W 404 001 PEC 70
Approvals	UL 1104. COLREG-72
IALA	Signal colours compliant to IALA E-200-1
Quality Assurance	ISO 9001:2015
Waterproof	IP67
Intellectual Property	OFALITES in a section of the development of O. I'll Division
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd BargeSafe [™] is a trademark of Sealite Pty Ltd
Warranty *	1 year

Technical Illustrations

