



SturdiSignal™ Series

Navigation Light

Modular design allows for toolless maintenance at sea, no electrician required

Provides safe and reliable illumination up to 6 nautical miles

Built in sensor continuously monitors LED brightness

Autonomous operation doubles the LED lifetime for long lasting reliability

Various visibility ranges and LED color options for maximum versatility

Suitable for inspected vessels 20 m and over and
blue water vessels 50 m and over

Designed and manufactured in the USA

Key Applications

Vessels greater than 20m in length

Compliances

COLREG 72

UL1104

IEC 60945 (Maritime navigation and radio equipment standards, including EMC)

IMO Resolution MSC 253 (83) 4.3

IP68

ABS

Buy American Act (BAA)

Build America Buy America Act (BABA)

Specifications

Construction	Marine grade, machined aluminum housing Seawater resistant
Finish	MIL-A-8625 Type 3 clear anodize
Light source	High powered LED up to 8W 1-3 LEDs - single head 2-6 LEDs - double head (backup system/ autonomous operation)

Specifications

Visibility	Under 50 m - 2 NM or 5 NM Over 50 m - 3 NM or 6 NM
Lens	UV stabilized polycarbonate 2 NM, 3 NM for port/starboard/stern/towing/ all-round signaling 5 NM, 6 NM for mast head 5 NM all-round white for maneuvering
Driver	120-240 VAC 12-32 VDC
Cord Plug	½ inch NPT cable gland
Controls/ Monitoring	LED Intensity Monitoring IMO Resolution MSC 253 (83) 4.3 model Monitors LED intensity to verify light remains COLREG compliant Automatically notifies alarm panel when non- compliant Notifies alarm panel when approaching end of life (50,000 hours)
Autonomous operation	Double head - 1 power input, alternates heads at start up to extend life. Monitors LED intensity and auto switches over if a head is non-compliant.
Ambient operating temperature	-40°C to + 50°C
Mounting	4-hole ½ inch King Starboard polymer plate 3 sizes (5.50 x 5.50 inch, 6.00 x 6.00 inch or 7.00 x 7.00 inch)
Operating lifetime	50,000 hours
Dimensions	2.2 lbs (1 kg) 6.00 inch (152.4 mm) height 3.50 inch (89 mm) diameter
Warranty	5 years



This product complies with domestic preference requirements such as BABA. For additional information, visit phoenixlighting.com or consult your representative.



This product complies with domestic preference requirements such as BAA or TAA. For additional information, visit phoenixlighting.com or consult your representative.

For IES files, see website or contact factory

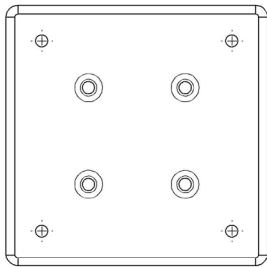
Ordering Information

[SturdiSignal™ Series - Ordering Information for Vessels Less than 50 m \(165 ft\)](#)

[SturdiSignal™ Series - Ordering Information for Vessels Greater than 50 m \(165 ft\)](#)

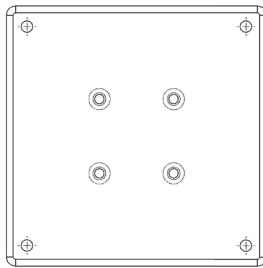
[SturdiSignal™ Series - Ordering Information for Mounting Plates](#)

Mounting (order separately)



5.50 Inch Mounting Plate

54 (5.50 inches, four mounting holes, 4.00 inch center)



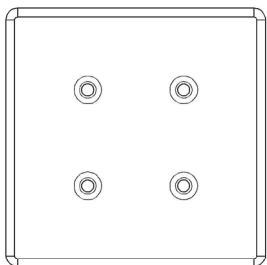
7.00 Inch Mounting Plate

76 (7.00 inches, four mounting holes, 6.00 inch center)



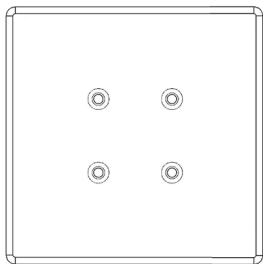
Pipe Mounting Plate

PM (3.00 inch pipe mounting, plates included)



5.50 Inch Mounting Plate

5B (5.50 inches, no mounting holes, blank)



7.00 Inch Mounting Plate

7B (7.00 inches, no mounting holes, blank)



Vertical Mounting Plate

VM (vertical mounting, plates included)

Product design and specifications are subject to change without notice. The most current version of this specification sheet can be found at www.phoenixlighting.com.