

Limited Warranty:

The 3NM Masthead (Steaming) LED Navigation Light is warranted for five years against any defects in material or workmanship. Any light that develops such defect within this period from date of purchase will be repaired or replaced at Signal Mate's option. The light should be returned to Signal Mate with an RMA (Return Merchandise Authorization) number, and the sales receipt. Also, please include a written statement of the failure, including when, and how it occurred. Warranty is void if the light is opened or otherwise tampered with. This warranty does not cover any shipping costs.

This limited warranty does not cover damage to this product due to misuse, accident or improper installation, nor does it cover any incidental or consequential expenses to the user resulting from malfunction, non-function or misuse of this product. It does not cover damage from lightning, or other natural disasters.

Signal Mate, LLC
113 N. Collington Ave Baltimore, Maryland 21231
Phone 410-777-5550 Fax 410-675-4927
info@signalmate.com
www.signalmate.com



Owner's Manual

3NM Masthead (Steaming) LED Navigation Light

Signal Mate Model: 3NMMH225



USCG 3 Nautical Mile Approval 33CFR 183.810
Meets ABYC A-16 & 72 COLREGS
Tested by IMANNA Laboratory Inc., June 7th, 2010

Introduction:

The 3NM Masthead (Steaming) light uses two white LEDs to obtain 225 degrees. The light is used for both power and sailboats over 12 meters (39 feet), but less than 20 meters (65 feet) while being propelled by machinery.

The light provides constant brightness over the full operating range of 10 to 30 volts. This insures the light will meet or exceed the visibility requirements as the battery voltage drops from use.

Wiring:

Protect circuit with a 1 amp. fuse or circuit breaker to the red wire.

Red wire = battery positive (+) = masthead (225 degrees) light.

Black wire = battery negative (-).

Specifications:

Visibility: USCG 3 Nautical Mile Approval 33CFR 183.810

Meets ABYC A-16 & 72 COLREGS

Voltage Range: 10-30VDC

LED Driver: Constant Current

LED: Seoul Semiconductor P4

Masthead (Steaming) Current Draw: 0.160 amps at 12VDC

Construction: Hard anodized aluminum, polycarbonate lens.

Wiring: 2 1/2 feet UV outdoor 20 AWG wire.

Weight: 6.4 oz

Height: 3.25 inches

Diameter: 1.5inches

Mounting: 1/4" x 20 female threads on bottom of light for mounting.

Durability: Waterproof

Mounting Instructions:

For sailboats, the light should be mounted approx 3/4 way up a mast. The two forward facing LEDs (opposite cable) must be mounted with the center line of the vessel.

For power boats, the light should be mounted on top of the cabin house. The two forward facing LEDs (opposite cable) must be mounted with the center line of the vessel.

Test the LEDs before mounting, by connecting the red wire to the positive (+) side of the battery (12 or 24 volts DC), and by connecting the black wire to the negative (-) side of the battery. The two LEDs for the masthead light (225 degrees) will illuminate.

The four mounting options are: 1/4 inch x 20 female threads on the bottom of light; optional center line adjustable bracket; optional 360 degree bracket; or optional pole mount adapter.

Optional brackets are sold separately at www.signalmate.com.

- Bracket Termination (BRKTTERM) PN: BRKTTERM
- 360 degree bracket PN: BRKT360.
- 3/4 inch pole mount adapter PN: PADPT75.
- 1 inch pole mount adapter PN: PADPT1.