

Limited Warranty:

The Combination 3NM Masthead / Anchor 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.

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Owner's Manual

Combination 3NM Masthead / Anchor LED Navigation Light

Signal Mate Model: 3NMMHANC



USCG 3 Nautical Mile Approval 33CFR 183.810
Meets ABYC A-16 & 72 COLREGS
Tested by IMANNA Laboratory Inc., March 4th, 2011

Introduction:

The 3NM combination 225 degree masthead light and 360 degree anchor light use two separate circuits.

The masthead (steaming) light is used by connecting the red wire to battery positive (+) to illuminate the two forward LEDs (225 degrees).

The anchor light is used by connecting both the red and white wire to battery positive (+) to illuminate the forward 225 degree and the aft 135 degree LEDs.

The black wire is the negative, and common to both the 225 degree and 135 degree lights.

Both circuits need to be turned on together to complete the 360 degrees for the anchor light.

Note: The 135 degree white LED should only be turned on in conjunction with the 225 degree light for a 360 degree anchor light. **This light is not used as a stern light!**

Wiring:

You will need a Double Pole Double Throw Switch for this installation.

Protect circuits using **two** 1 amp. fuses or circuit breakers to the red and white wires.

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

White wire = battery positive (+) = 135 degree aft light that is used along with the 225 degrees for the anchor light.

Black wire = battery negative (-) common to both circuits.

***Important*:** Both red and white wires need to be turned on for the anchor light.

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

Anchor Current Draw: 0.260 amps at 12VDC

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: 8 oz

Height: 3.75 inches

Diameter: 1.5 inches

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

Durability: Waterproof

Mounting Instructions:

This navigation light is a combination masthead light (225 degrees), and anchor light (360 degrees) which must be mounted atop the mast or cabin top. The two forward facing LEDs (opposite cable) must be mounted with the center line of the vessel.

Test the Masthead 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.

Test the 135 degree LED before mounting by connecting the white wire to the positive (+) side of the battery (12 or 24 volts DC), and the black wire to the negative side of the battery. The aft 135 degree LED will illuminate.

***Important*:**

Both circuits need to be turned on together to complete the 360 degrees for the anchor light.

You will need a DPDT switch for this installation using jumpers as shown below in diagram.

Both red and white wires need to be turned on for the anchor light.

Accessories sold separately at www.signalmate.com.

- 360 degree bracket PN: BRKT360.
- 3/4 inch pole mount adapter PN: PADPT75.
- 1 inch pole mount adapter PN: PADPT1.

Wiring the Double Pole Double Throw Switch (DPDT).

