

Limited Warranty:

The 2NM all-round (360 degree) red or green light is warranted for three 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



Signal Mate, LLC

Owner's Manual

2NM 360 Degree Navigation Light

Signal Mate Models:
2NM360R - 2NM360G



USCG 2 Nautical Mile Approval 33CFR 183.810
Meets ABYC A-16 & 72 COLREGS
Tested by IMANNA Laboratory Inc., July 29th, 2009

Introduction:

The 2NM all-round (360 degree) red or green light is used for power and sailboats when an all-round red or green light is needed for commercial specialty lighting such as: trawling, fishing, Restricted Ability to Maneuver (RAM), diving and sailing.

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 1 amp. fuse or circuit breaker connected to the red wire.

Red wire = battery positive (+) = Red or Green 360 degree light.

Black wire = battery negative (-).

Specifications:

Visibility: USCG 2 Nautical Mile Approval 33CFR 183.810

Meets ABYC A-16 & 72 COLREGS

Voltage Range: 10-30VDC

LED Driver: Constant current

LED: 3 watt

Current Draw: 0.300 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 & top of light for mounting.

Durability: Waterproof

Mounting Instructions:

The all-round Red or Green navigation light should be mounted as high as possible atop a mast or cabin top. Do not obstruct the light in a 360 degree viewing.

Commercial vessel navigation lighting used in conjunction with other all-round colored lights should be mounted in pairs on either side of the mast separated by a vertical distance of one meter for Inland, and two meters for International waters providing 360 degrees of viewing.

Test the LED 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 LED light will illuminate.

The four mounting options are: ¼ inch x 20 female threads on the bottom of light, optional 360 degree bracket, optional pole mount adapter and optional center line adjustable when mounting pairs on both sides of the mast.

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

- 360 degree bracket PN: BRKT360.
- ¾ inch pole mount adapter PN: PADPT75.
- 1 inch pole mount adapter PN: PADPT1.
- Bracket Termination (BRKTTERM) PN: BRKTTERM