

### **Limited Warranty:**

The 2NM all-round (360 degree) white, red or green 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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2NM 360 Degree Navigation Light

Signal Mate Models:  
2NM360W - 2NM360R - 2NM360G



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

### ***Introduction:***

The 2NM all-round (360 degree) white, red or green lights are used for commercial vessel specialty lighting such as: trawling, fishing, Restricted Ability to Maneuver ( RAM ), diving and larger sailing vessels over 65 feet.

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 (+) = White, 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:Mounting:** 1.5 inches, ¼ 20 female threads on bottom.

**Durability:** Waterproof

### ***Mounting Instructions:***

The all-round White, 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.

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

Optional brackets are sold separately at [www.signalmate.com](http://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



