



# LX COLLECTION

**All Around (RED) LED Nav Lights**  
*(for Commercial & Military Vessels)*

**Model: LXAA-RED**

## **OWNER'S MANUAL**



**USCG 2NM Approved**  
33 CFR 183.810 Meets ABYC-A16

### **Weems & Plath®**

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## INTRODUCTION

Weems & Plath's OGM LX All Around (RED) LED Navigation Light is designed for power-driven commercial or military vessels and will provide full brightness at any operating voltage from 9V to 30V DC. This ensures the light will meet or exceed the visibility requirements as the battery voltage drops from use. To ensure compliance with the '72 COLREGS and U.S. Inland Rules, the installation instructions provided below must be followed.

### Mounting:

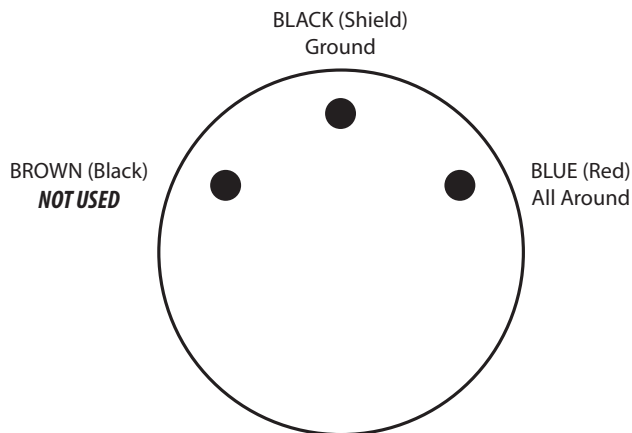
1. There are three 6-32 stainless steel inserts in the bottom of the light's housing. This allows the All Around Light to be mounted to a variety of mounting brackets. *\*Mounting brackets can be purchased from Weems & Plath or your local marine retailer.*
2. The light should be mounted level and even to insure maximum visibility of the light.

### Wiring:

The All Around (RED) Light is equipped with a 3-conductor waterproof plug. The mating connector and 2-foot cable are included. Mast wiring of 20-gauge is sufficient to supply power to the light, although 16-gauge is recommended.

There are three wires in the supplied mating yellow/black cable, however you will only use **two wires for the All Around (RED) Light (#LXAA-RED)**. The proper connection for these wires is shown in the following diagram:

### Quick Disconnect Wiring Diagram



| Wire Color from Pigtail | Connection/Function                         |
|-------------------------|---|
| BLACK                   | Electrical ground/negative battery terminal |
| BROWN                   | <i>(NOT USED)</i>                           |
| BLUE                    | Power for All Around Light                  |

1. Connect the black wire to the boat's DC ground and the blue wire to the boat's DC positive power source. NOTE: DO NOT CONNECT THE BROWN WIRE. Ensure that the supplied voltage is greater than 8V and less than 31 V DC. Weems & Plath does not guarantee any light connected improperly or to an incorrect voltage. Always verify proper DC voltage before final connections are made.
2. **WARNING:** The current draw of the All Around Light is  $\leq 0.33$  Amps at 12V DC. The power circuit should include proper fusing or a circuit breaker with a trip current of 1 Amps.
3. Check the light with a battery after installation is complete to ensure proper operation.

## SPECIFICATIONS

**Visibility:** 2 nautical miles

**Waterproof:** yes, completely submersible

**Power Consumption:** 6 Watts

**Voltage Range:** 9V to 30V DC

**Current Draw:**  $\leq 0.33$  Amps at 12V DC

**Wiring:** 2-conductor 20 AWG UV jacketed 2-foot cable

**Horizontal Viewing Angle:** 360°

**Vertical Viewing Angle:** +/- 18°

### Warranty:

This product is covered by a LIFETIME Warranty. For more details on the warranty, please visit: [www.Weems-Plath.com/Support/Warranties](http://www.Weems-Plath.com/Support/Warranties)

To register your product visit: [www.Weems-Plath.com/Product-Registration](http://www.Weems-Plath.com/Product-Registration)