

Warranty:

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

To register your product visit: www.Weems-Plath.com/Product-Registration

Weems & Plath®

214 Eastern Avenue • Annapolis, MD 21403
p (410) 263-6700 • f (410) 268-8713
www.Weems-Plath.com/OGM



Bi-Color LED Nav & Multi-Purpose Lights

Model: QBCS-B, QBCS-W

OWNER'S MANUAL



USCG 2NM Approved
33 CFR 183.810 Meets ABYC-A16

INTRODUCTION

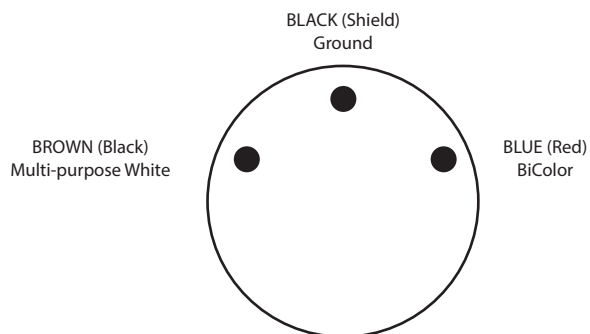
Weems & Plath's OGM Q Bi-Color LED Navigation Light is designed as a 2NM visibility red and green for use on sailing vessels under 65.5-feet (20 meters) and will provide full brightness at any operating voltage from 4V to 48V DC. This ensures the light will meet or exceed the visibility requirements 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.

Note: The Weems & Plath OGM Q Bi-Color offers an additional multi-purpose white light integrated into the light for use as a docking light or when picking up an anchor or mooring. Installation and wiring of the white light is optional and requires the third wire in a 3-wire installation as shown below.

Mounting:

1. The Bi-Color LED & Multi-Purpose Light should be mounted at the bow (preferably on the bow pulpit), be level and with the center divider (located between the red and green LED lights) facing directly forward.
2. The three 6-32 stainless steel inserts in the bottom of the light's housing. This allows the light to be mounted to a variety of mounting brackets. **Mounting brackets can be purchased from Weems & Plath or your local marine retailer.*
3. The light is completely waterproof so no extra precautions are necessary to protect the components within the light.
4. To wire the multi-purpose White Light, simply connect the brown wire to power in a 3-wire installation. If not installing the white light, simply cut and isolate the brown wire for a 2-wire install.

Quick Disconnect Wiring Diagram



Wiring:

The Bi-Color LED & Multi-Purpose Light is equipped with a 3-conductor waterproof plug. The mating connector and 3-foot cable are included. Additional wiring (if required) of 20-gauge is sufficient to supply power to the Bi-Color Light, although 16-gauge is recommended by ABYC. Note: you will only require a 3-wire install if you are powering the Multi-Purpose White Light that is included in the light.

Three-Wire Operation and Wiring:

There are three wires in the supplied mating yellow/black cable. The proper connection for these wires is shown in the following diagram:

Wire Color from Pigtail	Connection/Function
BLACK	Electrical ground/negative battery terminal
BROWN	Power for Multi-purpose White light
BLUE	Power for BiColor light

Current Draw and Fusing:

The current draw of the Bi-Color Light is a low 0.28 Amps at 12V DC. The current draw of the Multi-Purpose White Light is 0.3 Amps at 12V DC.

A circuit breaker or fuse of 2 Amps is recommended.

Improper fuse protection could result in severe damage to the light, boat, or persons in the event of a catastrophic failure.

SPECIFICATIONS

Visibility: 2 nautical miles

Waterproof: yes, completely submersible

Power Consumption: 3.6 Watts for Bi-Color and 4 Watts for Multi-Purpose White

Voltage Range: 4V to 48V DC

Current Draw: 0.28 Amps at 12V DC for Bi-Color and 0.3 Amps at 12V DC for Multi-Purpose White

Wiring: 3-conductor waterproof plug with supplied mating connector & 3-foot cable

Horizontal Viewing Angle: 112.5° for Port/Starboard; 225° in White Light Mode

Vertical Viewing Angle: +/- 36°

Model #	Description
QBC-B	Q BiColor LED Nav Light in Black
QBC-W	Q BiColor LED Nav Light in White
QBCS-B	Q BiColor LED Nav Light with Multi-purpose white light in Black
QBCS-W	Q BiColor LED Nav Light with Multi-purpose white light in White