

### Current Draw and Fusing:

The current draw of the TriColor/Anchor light is  $\leq 0.33$  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:** 6 Watts

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

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

**Wiring:** 3-conductor waterproof plug with supplied mating connector and 6-foot cable

**Horizontal Viewing Angle:** 225°

**Vertical Viewing Angle:** +/- 36°

Model #	Description
LXTA-S	LX TriColor/Anchor LED Nav Light with Strobe
LXTA-SP	LX TriColor/Anchor LED Nav Light with Photodiode & Strobe

### Warranty:

This product is covered by a Limited 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)

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07/2023 v.5



# LX COLLECTION

## TriColor/Anchor LED Navigation Light

Models: LXTA-S & LXTA-SP

## OWNER'S MANUAL



### USCG 2NM Approved

33 CFR 183.810 Meets ABYC-A16  
Tested by Imanna Laboratories 4/30/2004

### Swedish Approved

Certifikat SP LT 523  
Tested by SP Swedish National Testing  
and Research Institute

## INSTALLATION INSTRUCTIONS

Weems & Plath's OGM LX TriColor/Anchor LED Navigation Light is designed for use on sailboats that are under 65.5-feet (20-meters) in length 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 must be followed.

### Mounting:

1. The TriColor/Anchor Light should be mounted at the top of the mast, be level, and with the center divider (located between the red and green lights) facing directly forward.
2. The three 6-32 threaded holes in the bottom of the light's housing should be used to secure the light to an accessory bracket or mounting plate. *\*Mounting brackets can be purchased from Weems & Plath or your local marine retailer.*
3. We recommend using an anti-seize lubricant (such as Tef-Gel) when installing the stainless steel fasteners in aluminum housing.
4. The light is completely waterproof, so no extra precautions are necessary to protect the components within the light. **The light is not designed to be opened; doing so will void the warranty.**

### Wiring:

The TriColor/Anchor Light is equipped with a 3-conductor waterproof plug. The mating connector and 6-foot, 24 AWG cable are included. The light is capable of full operation with either two or three wires. Therefore, the wires can be spliced into existing two or three-conductor mast wiring. Mast wiring of 20-gauge is sufficient to supply power to the TriColor/Anchor Light, although 16-gauge is recommended. NOTE: The strobe function cannot be utilized in conjunction with two-wire operation.

### Three-Wire Operation and Wiring:

There are three wires in the supplied mating pigtail cable. The proper connection for these wires is shown in the table below:

Wire Color from Yellow Cable	Connection / Function
Black	Electrical ground / negative battery terminal
Brown	Power for Anchor light
Blue	Power for TriColor light

If power is applied to both the brown and blue wires at the same time, the strobe will activate.

*\*If your TriColor/Anchor Light has a photodiode option, the light will blink twice and then go off in ambient light. This is normal operation.*

The table below will aid in the understanding of the light operation and operation of the photodiode and strobe options:

Black Wire	Brown Wire	Blue Wire	Day/Night	Function w/ Photodiode	Function w/ Strobe	Function w/ Photodiode & Strobe
Ground (-)	OFF	OFF	Night	OFF	OFF	OFF
Ground (-)	OFF	OFF	Day	OFF	OFF	OFF
Ground (-)	OFF	On	Night	TriColor On	TriColor On	TriColor On
Ground (-)	OFF	On	Day	TriColor On	TriColor On	TriColor On
Ground (-)	On	OFF	Night	Anchor On	Anchor On	Anchor On
Ground (-)	On	OFF	Day	OFF	Anchor On	OFF
Ground (-)	On	On	Night	OFF	Strobe	Strobe
Ground (-)	On	On	Day	OFF	Strobe	Strobe

The Selector Switch (#SWITCH SEL), which is available from Weems & Plath or your local marine retailer, provides a convenient control panel switch for operating the light in both two and three-wire modes.

### Two-Wire Operation and Wiring:

Two-wire operation is possible and convenient for users who wish to replace their Anchor light with a combination TriColor/Anchor Light without rewiring the mast. This is only possible if the ground wire for the existing cable is not connected to any other devices or to the mast itself, and the strobe option is not used. TriColor or Anchor modes are selected by reversing the polarity of the brown and blue wires from the pigtail. A simple Reversing Switch (#SWITCH REV), which is also available from Weems & Plath or your local marine retailer, can be used to reverse the polarity. The black wire should not be used from the pigtail cable and should be protected from touching anything metallic, including the mast.

The table below will aid in the understanding of the two-wire light, including use of the photodiode option:

Black Wire	Brown Wire	Blue Wire	Day/Night	Function w/ Photodiode
Unconnected	OFF	OFF	Night	OFF
Unconnected	OFF	OFF	Day	OFF
Unconnected	Ground	Power	Night	TriColor On
Unconnected	Ground	Power	Day	TriColor On
Unconnected	Power	Ground	Night	Anchor On
Unconnected	Power	Ground	Day	Anchor OFF