

Weems Plath LXTA LX Collection TriColor/Anchor LED Navigation Light



# Weems Plath LXTA LX Collection TriColor/Anchor LED Navigation Light Owner's Manual

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# Weems & Plath®

Weems Plath LXTA LX Collection TriColor/Anchor LED Navigation Light



## 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

**Models:** LXTA, LXTA-P, LXTA-S, LXTA-SP

### Mounting:

- 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.
- The three 6-32 stainless steel inserts in the bottom of the light's housing should be used to secure the light.  
\*Mounting brackets can be purchased from Weems & Plath or your local marine retailer.
- 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 2-foot 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: Two-wire operation cannot be used for lights with the strobe option.

### Three-Wire Operation and Wiring:

There are three wires in the supplied mating yellow 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 (provided the light has the strobe option). If the strobe option is not present, the light will turn off.

If the anchor light has a photodiode option, the light will blink twice and then go off in ambient light. This is a 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	<b>Day</b>	OFF	OFF	OFF
Ground (-)	OFF	<b>On</b>	Night	TriColor On	TriColor On	TriColor On
Ground (-)	OFF	<b>On</b>	<b>Day</b>	TriColor On	TriColor On	TriColor On
Ground (-)	<b>On</b>	OFF	Night	<b>Anchor On</b>	<b>Anchor On</b>	<b>Anchor On</b>
Ground (-)	<b>On</b>	OFF	<b>Day</b>	OFF	<b>Anchor On</b>	OFF
Ground (-)	<b>On</b>	<b>On</b>	Night	OFF	Strobe	Strobe
Ground (-)	<b>On</b>	<b>On</b>	<b>Day</b>	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 TriColor 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 and Anchor modes are selected by reversing the polarity of the brown and blue wires from the TriColor. 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 yellow cable and should be protected from touching anything metallic, including the mast.

The table below will aid in the understanding of the light operation using two wires, including use of the photodiode option:

<b>Black Wire</b>	<b>Brown Wire</b>	<b>Blue Wire</b>	<b>Day/Night</b>	<b>Function w/ Photodiode</b>	<b>Function w/ Strobe</b>	<b>Function w/ Photodiode &amp; Strobe</b>
<i>Unconnected</i>	OFF	OFF	Night	OFF	OFF	OFF
<i>Unconnected</i>	OFF	OFF	<b>Day</b>	OFF	OFF	OFF
<i>Unconnected</i>	Ground	<b>Power</b>	Night	TriColor On	TriColor On	TriColor On
<i>Unconnected</i>	Ground	<b>Power</b>	<b>Day</b>	TriColor On	TriColor On	TriColor On
<i>Unconnected</i>	<b>Power</b>	Ground	Night	<b>Anchor On</b>	<b>Anchor On</b>	<b>Anchor On</b>
<i>Unconnected</i>	<b>Power</b>	Ground	<b>Day</b>	<b>Anchor On</b>	<b>Anchor On</b>	OFF

### 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 2-foot cable
- Horizontal Viewing Angle: 225°
- Vertical Viewing Angle: +/- 36°

<b>Model #</b>	<b>Description</b>
LXTA	LX TriColor/Anchor LED Nav Light
LXTA-P	LX TriColor/Anchor LED Nav Light with Photodiode
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 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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USCG 2NM Approved 33 CFR 183.810 Meets ABYC-A16 Tested by Imanna Laboratories 4/30/2004 Swedish

Documents / Resources

	<p><a href="#">Weems Plath LXTA LX Collection TriColor/Anchor LED Navigation Light</a> [pdf] Owner's Manual</p> <p>LXTA LX Collection TriColor Anchor LED Navigation Light, LXTA, LX Collection TriColor Anchor LED Navigation Light, TriColor Anchor LED Navigation Light, Anchor LED Navigation Light, LED Navigation Light, Navigation Light, Light</p>
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References

- [User Manual](#)

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