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› Lumitec SeaBlaze X2 Underwater Light (Model 101516) User Manual

Lumitec 101516

Lumitec SeaBlaze X2 Underwater Light User Manual

Model: 101516 | Brand: Lumitec



1. INTRODUCTION

The Lumitec SeaBlaze X2 Underwater Light, Model 101516, is an advanced LED lighting solution designed for marine environments. This light features a robust bronze construction and offers dual-color illumination in Classic White/Blue. It is engineered for durability and high performance, providing significant light output for underwater visibility and aesthetic enhancement.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your SeaBlaze X2 light. Please read all instructions carefully before proceeding with installation or use.



Image 1.1: Lumitec SeaBlaze X2 Underwater Light (Classic White/Blue, Bronze finish).

2. SPECIFICATIONS

Below are the technical specifications for the Lumitec SeaBlaze X2 Underwater Light (Model 101516):

Feature	Specification
Model Number	101516
Voltage Range	10-30VDC
Current Draw (12VDC)	5A
Current Draw (24VDC)	2.5A
Color Rendering Index (CRI)	70+
Correlated Color Temperature (CCT)	6500K
Lumen Output	6000 Lumens

Feature	Specification
Diameter	3.8 inches (96.52 mm)
Depth	0.72 inches (18.39 mm)
Mounting Hole Diameter	0.5 inches (12.7 mm)
Wattage	60 watts
Light Color	White/Blue
Housing Material	Bronze
Shade Material	Glass
Water Resistance Level	Waterproof (IP68)
Connectivity Protocol	Proprietary (PLI)
Installation Type	Surface Mount
Warranty	3 Year

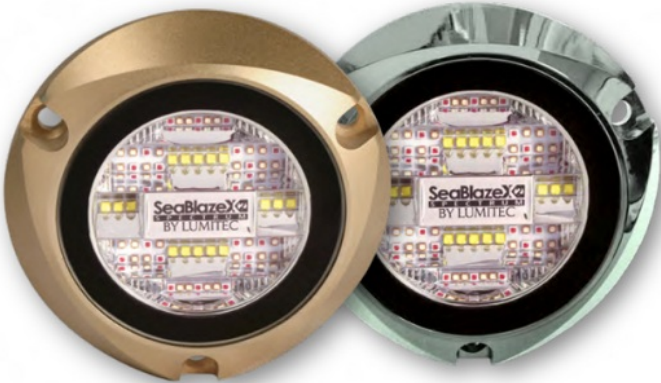
QUICK REFERENCE GUIDE

UNDERWATER LIGHTS



A Clarience Technologies Company

SeaBlazeX2



Specifications:

Voltage:	10-30vDC
12vDC	5A
24vDC	2.5A
CRI	70+
CCT	6500
Lumens	6000
Diameter	3.8"
Depth	0.72"
Mounting Hole	0.5"



6K
Lumen
Output



RGBW
Full-Color



PLI
Power Line
Instruction



TTP
Timed Toggle
Protocol



IP68
IP Rated



Color Cycle



Dry Operation



3-Wire
Hookup



3
Year
Warranty

Image 2.1: Quick Reference Guide for SeaBlaze X2, showing key specifications and features.

3. INSTALLATION

The Lumitec SeaBlaze X2 is designed for surface mount installation and features a simple 3-wire hookup. Proper installation is crucial for the light's performance and longevity. It is recommended that installation be performed by a qualified marine technician.

3.1 Pre-Installation Checklist

- Ensure the boat's power is disconnected before starting installation.
- Verify that the mounting surface is clean, flat, and structurally sound.
- Confirm you have all necessary tools and materials, including marine-grade sealant.

3.2 Mounting Instructions

1. Select a suitable mounting location on the transom or hull, ensuring it is below the waterline and allows for proper light projection.
2. Drill a 0.5-inch (12.7 mm) diameter hole for the wiring harness. Refer to the dimensions diagram for precise measurements.
3. Apply a marine-grade sealant around the drilled hole to ensure a watertight seal.
4. Route the wiring harness through the drilled hole.
5. Secure the light fixture to the mounting surface using appropriate marine-grade fasteners. Ensure the light is flush against the surface.



Image 3.1: Detailed dimensions diagram for the SeaBlaze X2 Underwater Light.

3.3 Wiring Instructions

The SeaBlaze X2 uses a 3-wire connection system. Connect the wires as follows:

- **Red Wire:** Positive (+) power connection.
- **Black Wire:** Negative (-) power connection.
- **White Wire:** Control wire for color changing and mode selection.

Ensure all connections are secure and properly insulated with marine-grade connectors and heat shrink tubing to prevent corrosion and water intrusion.

Video 3.1: Installation and wiring overview for the Lumitec SeaBlaze X2. This video demonstrates the wiring

4. OPERATION

The Lumitec SeaBlaze X2 Underwater Light offers dual-color functionality (White/Blue) and can be controlled via a remote or a hardwired switch, utilizing Lumitec's Proprietary Light Interface (PLI) protocol.

4.1 Powering On/Off

To turn the light on or off, activate or deactivate the connected power switch. The light will retain its last selected color mode when powered off and on again.

4.2 Changing Color Modes

The SeaBlaze X2 allows you to switch between White and Blue illumination. This is typically achieved by toggling the power switch quickly. A brief power cycle (off-on) will advance the light to the next available color mode. Continue cycling the power to select your desired color.

4.3 Color Cycle Mode

Some models or configurations may feature a color cycle mode. To activate this, follow the specific instructions provided with your control system (e.g., repeated quick toggles of the power switch). This mode will smoothly transition through available colors.



Image 4.1: Boat illuminated by blue SeaBlaze X2 lights from the side.



Image 4.2: Rear view of a boat with vibrant blue underwater lighting.

SEABLAZEX2

UNDERWATER LIGHT

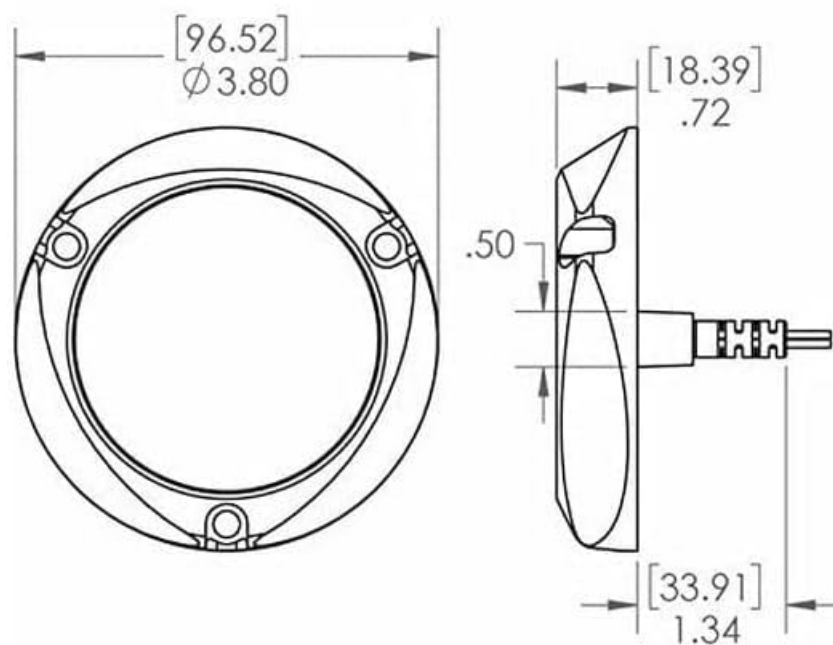


Image 4.3: A boat showcasing bright white underwater illumination.



Image 4.4: Another perspective of a boat with blue underwater lights.

5. MAINTENANCE

Regular maintenance will ensure the optimal performance and longevity of your Lumitec SeaBlaze X2 Underwater Light.

5.1 Cleaning

- Periodically clean the lens of the light to remove marine growth, salt deposits, and other debris. Use a soft cloth and fresh water. Avoid abrasive cleaners or tools that could scratch the lens.
- For stubborn marine growth, use a mild, marine-safe cleaning solution.

5.2 Inspection

- Regularly inspect the light fixture and wiring for any signs of damage, corrosion, or wear.
- Check the integrity of the sealant around the mounting area to ensure it remains watertight. Reapply sealant if any cracks or deterioration are observed.
- Ensure all electrical connections are secure and free from corrosion.

6. TROUBLESHOOTING

If you encounter issues with your SeaBlaze X2 light, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on	No power, faulty wiring, blown fuse/breaker	Check power supply, inspect wiring connections, replace fuse/reset breaker.

Problem	Possible Cause	Solution
Light flickers or dims	Loose connection, insufficient voltage, water intrusion	Check all wiring connections, verify voltage at the light, inspect for water damage.
Cannot change color mode	Incorrect power cycling, control system issue	Ensure quick power toggles for mode changes. Consult your control system manual if using a separate controller.
Water inside the light fixture	Improper sealing during installation, damaged housing/lens	Immediately disconnect power. Inspect sealant and fixture for damage. Contact customer support for repair or replacement.

If the problem persists after attempting these solutions, please contact Lumitec customer support.

7. WARRANTY INFORMATION

The Lumitec SeaBlaze X2 Underwater Light (Model 101516) is covered by a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. The warranty does not cover damage resulting from improper installation, accident, abuse, misuse, natural disaster, or unauthorized repair or modification. For warranty claims, please retain your proof of purchase and contact Lumitec customer support.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact Lumitec customer support through their official website or the contact information provided with your product packaging. When contacting support, please have your product model number (101516) and proof of purchase readily available.