

## Lumitec 101586

# Lumitec Razor Light Bar Instruction Manual

Model: 101586

Brand: Lumitec

## INTRODUCTION

The Lumitec Razor Light Bar is a high-performance, low-profile LED light solution engineered specifically for demanding marine environments. Its sleek design and powerful illumination make it an ideal choice for various boating applications, providing exceptional light output while maintaining a discreet presence on your vessel. With a robust construction and advanced features, the Razor Light Bar is built to withstand harsh conditions and deliver reliable performance.

## KEY FEATURES

- **Sleek, Low-Profile Design:** Measuring only 1.5 inches high and 18 inches wide, the Razor Light Bar is designed to integrate seamlessly with marine vessels, minimizing visual obstruction.
- **High Output:** Delivers an impressive 10,000 lumens for powerful and effective illumination.
- **Durable Construction:** Constructed from die-cast aluminum with a proprietary powder coating process, ensuring exceptional durability and resistance to corrosion, tested for 2000 hours of salt spray.
- **Versatile Mounting:** Can be surface mounted directly onto a hardtop or integrated into the hardtop during its initial build. It also supports inverted mounting with specially designed inverted logos for specific applications.
- **Flood and Spot Optics:** Available in both flood and spot beam patterns to suit various lighting needs, from wide-area illumination to focused long-distance light.
- **Dimmable:** Features Lumitec's Timed Toggle Protocol (TTP) for adjustable light intensity, allowing users to set the brightness to their preference.
- **Space-Saving:** Its compact design allows for efficient placement alongside other electronic devices such as FLIR cameras and radars without causing obstruction.
- **Low Power Draw:** Operates efficiently with a 10 Amp draw at 12vDC.

## PRODUCT OVERVIEW

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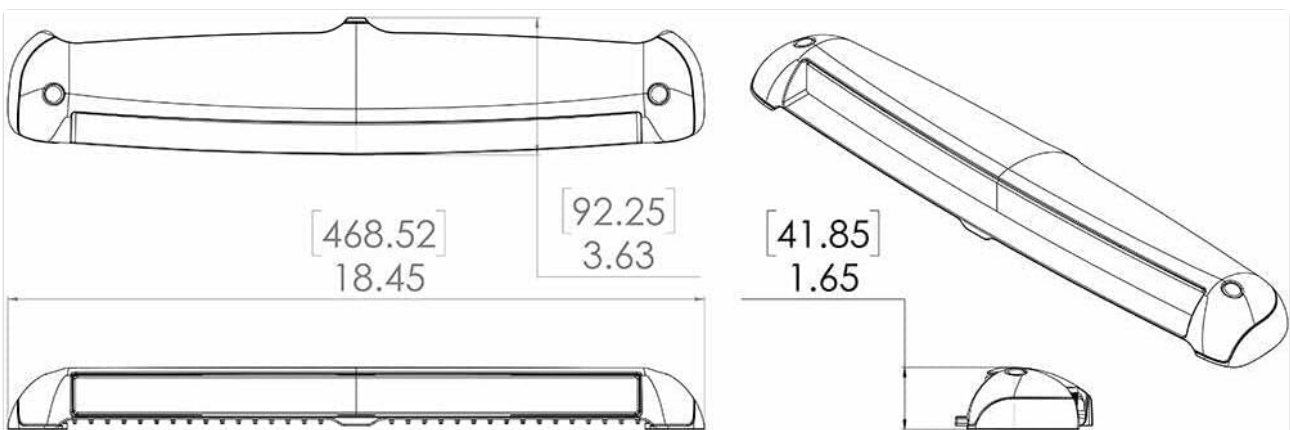
The Lumitec Razor Light Bar features a sleek, low-profile design with multiple LED elements, ideal for marine environments.



Side profile of the Razor Light Bar, highlighting its compact form factor and integrated control button.



Rear view of the light bar, showcasing the heat sink fins for efficient thermal management and the cable entry point.



Detailed technical drawing providing precise dimensions (length, width, height) of the Razor Light Bar for installation planning.

## INSTALLATION & SETUP

### Mounting Options

The Razor Light Bar is designed for flexible installation on various marine surfaces. It can be surface mounted directly onto a hardtop or integrated into the hardtop during its initial build for a seamless look. All required hardware

for surface mounting is included.

## Avoiding Bow Glare

To ensure optimal visibility and prevent bow glare (light reflecting off the bow of the boat), proper light placement is crucial. Follow these steps:

1. Temporarily place the unsecure light at the front of the hardtop and connect temporary power.
2. Observe the light beam. If it creates bow glare (light reflecting off the bow), move the light backward on the hardtop.
3. Continue moving the light backward until the bow glare is eliminated. The edge of the hardtop should shield the bow area and truncate the light beam effectively.
4. Once the optimal position is found, mark the location and proceed with permanent installation using the provided hardware.

Official Lumitec video demonstrating the features, installation considerations, and versatility of the Razor Light Bar, including optimal placement to avoid bow glare.

## OPERATING INSTRUCTIONS

### Dimming Function (Timed Toggle Protocol - TTP)

The Razor Light Bar features Lumitec's Timed Toggle Protocol (TTP) for dimming. This allows you to adjust the light intensity by cycling the power switch.

1. Turn the light ON. It will begin to ramp up in brightness over a 4-second period.
2. To set a desired intensity, simply turn the light OFF and then ON again at any point during the ramp-up period. The light will lock into the intensity it was at when toggled.
3. To return to full brightness, turn the light OFF and then ON again after it has been off for more than 4 seconds.

**Note:** Razor is also available with PLI technology, making it compatible with Lumitec's Poco digital lighting control system for advanced control options.

## MAINTENANCE

To ensure the longevity and optimal performance of your Lumitec Razor Light Bar, regular maintenance is recommended.

- **Cleaning:** Periodically clean the light bar with fresh water and a soft cloth to remove salt residue, dirt, and grime. Avoid abrasive cleaners or harsh chemicals that could damage the finish or lens.
- **Inspection:** Regularly inspect the light bar for any signs of damage, loose connections, or corrosion. Ensure all mounting hardware is secure.
- **Wiring:** Check wiring for any fraying or damage. Ensure connections remain watertight.

## TROUBLESHOOTING

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
Light does not turn on	No power, loose connection, blown fuse	Check power supply, inspect wiring connections, replace fuse if necessary.
Light flickers or dims unexpectedly	Low voltage, poor connection, faulty switch	Verify stable 12vDC power supply, tighten all electrical connections, test with a different switch if possible.
Light does not dim using TTP	Incorrect toggling sequence, not TTP compatible model	Ensure correct ON/OFF timing for TTP. If using a Poco system, verify proper configuration.
Excessive glare on bow	Incorrect mounting position	Refer to 'Avoiding Bow Glare' in the Installation section to adjust placement.

## SPECIFICATIONS

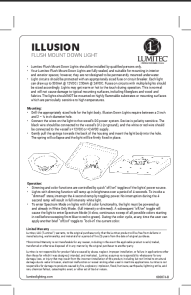



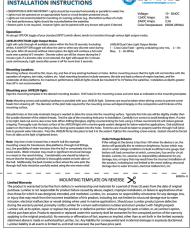
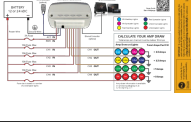
Attribute	Value
Item Dimensions (L x W x H)	25 x 4.5 x 4.5 inches
Brand	Lumitec
Color	White
Form Factor	Bar
Auto Part Position	Front
Included Components	Light Bar Unit, Mounting Hardware
Special Feature	Dimmable
Material	Die-cast Aluminum
Remote Control Included?	No
Number of Pieces	1
Manufacturer	Lumitec
UPC	089300015860
Model Name	101586
Sport Type	Boating, Fishing
Power Draw	10 Amp @ 12vDC
Lumen Output	10,000 Lumens
Salt Spray Durability	2000 hours

# WARRANTY & SUPPORT

Lumitec products are built to the highest standards. For specific warranty details and support, please refer to the official Lumitec website or contact their customer service.

Visit the Lumitec Store: [Lumitec Store on Amazon](#)

## Related Documents - 101586

	<p><a href="#">Lumitec Illusion Flush Mount Down Light Installation and Operation Guide</a></p> <p>Comprehensive guide for installing and operating the Lumitec Illusion Flush Mount Down Light, including mounting instructions, operation modes, and limited warranty information.</p>
	<p><a href="#">Lumitec SeaBlaze Mini Underwater Light: Features, Installation, and Warranty</a></p> <p>Detailed information on the Lumitec SeaBlaze Mini underwater light, a compact yet powerful marine lighting solution. This guide covers its features, specifications, limited warranty, and comprehensive mounting and operation instructions, making it ideal for smaller boats, skiffs, and dinghies.</p>
	<p><a href="#">Lumitec 2026 Lighting Product Guide: Marine LED Lighting Solutions</a></p> <p>Discover Lumitec's comprehensive 2026 Lighting Product Guide, showcasing advanced LED lighting solutions for marine, terrestrial, and dock &amp; deck applications. Explore innovative features, superior performance, and unmatched reliability in marine lighting.</p>
	<p><a href="#">Lumitec PICO C4 Expansion Module: Operation &amp; Installation Guide</a></p> <p>Detailed instructions for the Lumitec PICO C4 Expansion Module, covering analog toggle switch and PLI control, wiring specifications, status LED indicators, and fault conditions. Learn how to install and operate your Lumitec lighting system.</p>
	<p><a href="#">Lumitec Javelin Underwater Light Installation and Wiring Guide</a></p> <p>Comprehensive installation and wiring instructions for the Lumitec Javelin underwater light, covering mounting, operation, wiring configurations (3-wire and 2-wire), and warranty information.</p>
	<p><a href="#">Lumitec Poco Digital Lighting Control Quick Start Guide</a></p> <p>A quick start guide for installing and configuring the Lumitec Poco Digital Lighting Control system, including wiring, app connection, and light group setup.</p>