Putco 10070

Putco 10070 70" Luminix High Power LED Light Bar User Manual

Model: 10070 | Brand: Putco

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Putco 10070 70" Luminix High Power LED Light Bar. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

The Putco Luminix LED Light Bar is designed to deliver high-quality, bright lighting for various applications, including off-road vehicles. Its compact design and robust construction make it suitable for demanding environments.

Product Features

- **High Power LED Output:** Features 57 LEDs with a 6000K color temperature, providing 22,800 Lumens of light output.
- **Durable Construction:** Made from black anodized 6061 billet aluminum, ensuring strength and durability.
- **Weather Resistance:** IP69K rated for superior dust and moisture protection, suitable for harsh outdoor conditions.
- **Advanced Optics:** Equipped with Nichia LEDs and 15-degree focus lenses to concentrate the light beam path.
- **Compact Design:** Incredibly thin and light at just 0.75 inches deep and 1.5 inches tall, allowing for versatile installation.
- **Wide Voltage Compatibility:** Operates on 12V to 36V power systems.
- **Thermal Management:** Includes thermal control chips and over/under voltage protection for reliable performance.
- **Long Lifespan:** LEDs are rated for a 50,000-hour bulb life.
- **Made in USA:** Manufactured and assembled by Putco in Des Moines, IA.

Package Contents

Upon opening the package, verify that all components are present and undamaged. The package should contain:

- Putco 10070 70" Luminix High Power LED Light Bar (1 unit)
- Wiring Harness with Deutsche connectors
- Standard Mounting Hardware

Safety Information

Always observe the following safety precautions to prevent injury or damage to the product:

- Disconnect power before installation or maintenance.
- Ensure proper wiring and connections to avoid electrical hazards.
- Do not look directly into the light bar when it is illuminated, as it can cause eye strain or damage.
- Install the light bar securely to prevent detachment during vehicle operation.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

Setup and Installation

Proper installation is crucial for the performance and longevity of your LED light bar. It is recommended that installation be performed by a qualified professional.

1. **Choose Mounting Location:** Select a secure and appropriate location on your vehicle for the light bar. Consider factors like beam angle, obstruction, and vehicle aesthetics.
2. **Secure Mounting Brackets:** Attach the provided mounting hardware to the light bar and then to the chosen location on your vehicle. Ensure all bolts are tightened securely to prevent vibration and movement.
3. **Wiring Connection:** Connect the wiring harness to the light bar. The harness includes Deutsche connectors for a secure and weather-resistant connection.
4. **Power Connection:** Connect the wiring harness to your vehicle's electrical system. Ensure the correct voltage (12V-36V) and proper polarity. It is advisable to use a relay and fuse for protection.
5. **Testing:** Once installed, test the light bar to ensure it functions correctly. Verify that all LEDs illuminate and that the light bar is securely mounted.



Image: The 70-inch Putco Luminix High Power LED Light Bar, showcasing its long, slender profile and individual LED lights. This image provides a general view of the product's physical appearance.



Image: A detailed close-up of the Putco Luminix LED Light Bar, highlighting its premium construction. Visible features include the two-step anodized matte black finish, injection-molded polycarbonate 15-degree optics, 5-watt Nichia LEDs, and the slim profile measuring 0.75" thick and 1.5" high. Text overlays on the image emphasize "PREMIUM QUALITY. AMERICAN MADE." and "THE THINNEST LIGHT BAR IN THE WORLD."

Operating Instructions

The Putco Luminix LED Light Bar is designed for straightforward operation once installed.

1. **Power On/Off:** The light bar is typically controlled via a switch connected to your vehicle's electrical system. Activate the switch to turn the light bar on, and deactivate it to turn it off.
2. **Voltage Range:** The light bar is designed to operate within a 12V to 36V range. Ensure your vehicle's electrical system provides voltage within this range for optimal performance and to prevent damage.
3. **Thermal Protection:** The light bar includes internal thermal control chips. In extreme heat conditions, the light bar may automatically reduce output to prevent overheating. Normal operation will resume once temperatures return to safe levels.

Your browser does not support the video tag.

Video: A demonstration of the Putco Luminix 10-inch LED Light Bar. This video showcases the light bar's illumination capabilities and its compact design, providing a visual reference for its performance and size, although the product shown is a 10-inch model, not the 70-inch model.

Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your light bar.

- **Cleaning:** Periodically clean the lens and housing with a soft cloth and mild soap and water. Avoid abrasive cleaners or solvents that could damage the finish or lens.
- **Inspect Wiring:** Regularly check the wiring harness and connections for any signs of wear, corrosion, or damage. Ensure all connections remain secure.

- **Mounting Hardware:** Verify that all mounting bolts and brackets are tight and secure. Re-tighten if necessary to prevent vibration-induced damage.
- **Environmental Protection:** While IP69K rated, extreme conditions can still impact performance. After exposure to heavy mud, salt, or harsh chemicals, a thorough cleaning is recommended.

Troubleshooting

If you encounter issues with your Putco Luminix LED Light Bar, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light bar does not illuminate.	No power, loose connection, blown fuse, faulty switch.	Check power source, inspect all wiring connections, replace fuse if blown, test or replace switch.
Some LEDs are not working.	Individual LED failure, internal wiring issue, moisture ingress.	Inspect for visible damage. If problem persists, contact customer support.
Light bar flickers or dims.	Unstable power supply, loose connection, overheating.	Verify stable voltage, check connections, ensure adequate airflow around the light bar.
Excessive noise or hum.	Electrical interference, loose mounting.	Ensure proper grounding. Check mounting hardware for tightness.

Specifications

Attribute	Detail
Model	10070 (70" Straight)
Brand	Putco
Light Source	Nichia 5W LEDs
Color Temperature	6000K
Lumen Output	22,800 Lumens
Wattage	162 Watts
Amp Draw	13.5A
Operating Voltage	12V to 36V
Dimensions (Approx.)	70" Length x 1.5" Height x 0.75" Depth
Material	Black Anodized 6061 Billet Aluminum
IP Rating	IP69K (Dust and Moisture Protection)
LED Lifespan	50,000 hours
Focus Lenses	15-degree
Item Weight	10.4 pounds
Manufacturer Part Number	10070

Attribute	Detail
UPC	010536100709

Warranty and Support

Putco products are manufactured to high standards. For specific warranty details, please refer to the official Putco warranty policy or contact Putco customer service directly. Keep your proof of purchase for any warranty claims.
For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Putco customer support. You may also find additional resources, including an installation manual, on the official Putco website or through the retailer where the product was purchased.
An official installation manual is available for download: Download Installation Manual (PDF)

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