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> NAOEVO 7 Inch LED Light Bar 240W 24000LM Off Road LED Fog/Driving Lights with 2 Wires Wiring Harness Kit Spot Flood Combo Beam Work Lights White User Manual

## NAOEVO 7 INCH

# NAOEVO 7 Inch LED Light Bar User Manual

Model: 7 INCH

## 1. INTRODUCTION AND PRODUCT OVERVIEW

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Thank you for choosing the NAOEVO 7 Inch LED Light Bar. This product is designed to provide superior illumination for off-road driving, work applications, and various vehicle types. Featuring a powerful combination of spot and flood beams, it ensures both long-range focus and wide area coverage. Its robust construction is engineered for durability and performance in challenging environments.

Key features include:

- **Dual Beam Pattern:** 15° spot reflector for high-focus, long-range illumination and 120° floodlight beam for wider area exposure.
- **High Brightness:** Delivers 240W, 24000LM, and 6000K white light for clear and wide road vision.
- **Durable Construction:** Die-cast aluminum housing, IP68 waterproof rating, sturdy PC lens, and 10 cooling fans for efficient heat dissipation, ensuring a lifespan of up to 50,000 hours.
- **Adjustable Bracket:** 45° adjustable irradiation bracket for easy beam direction changes.
- **Complete Wiring Harness:** Includes a 10ft 2-wire wiring harness with a 40A power relay and inline blade fuses for easy and safe installation.

## 2. PACKAGE CONTENTS

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Please inspect the package contents upon receipt to ensure all items are present and undamaged. The standard package includes:

- 1 Pair (2 units) of NAOEVO 7 Inch LED Light Bars
- 1 Set of 10ft 2-Wire Wiring Harness (with 40A relay and inline blade fuses)
- 1 Set of Installation Accessories (mounting brackets, screws, nuts)



Image: Overview of the NAOEVO 7 Inch LED Light Bar kit, including two light bars, wiring harness, and mounting hardware.



Image: Detailed view of the package list and product dimensions, confirming the included components.

### 3. SPECIFICATIONS

<b>Brand</b>	NAOEVO
<b>Model Number</b>	7 INCH
<b>Product Dimensions</b>	17.78 x 6.6 x 8 cm
<b>Item Weight</b>	1.22 kg

<b>Colour</b>	White
<b>Material</b>	Aluminium
<b>Number of Lights</b>	2 (Pair)
<b>Maximum Compatible Wattage</b>	240 Watts
<b>Voltage</b>	12 Volts (DC)
<b>Power Source</b>	Corded Electric
<b>Certification</b>	IP68
<b>Type of Bulb</b>	LED
<b>Colour Temperature</b>	6000 Kelvin

## 4. SETUP AND INSTALLATION

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The NAOEVO LED Light Bar is designed for straightforward installation. The included wiring harness simplifies the connection process. Always ensure the vehicle's power is off before beginning installation.

### 4.1 Mounting the Light Bar

1. Identify a suitable mounting location on your vehicle (e.g., bumper, roof rack, grille guard). Ensure the location provides a stable surface and does not obstruct vehicle functions or legal requirements.
2. Attach the adjustable mounting brackets to the light bar using the provided screws.
3. Position the light bar and mark the drilling points for the brackets on your vehicle.
4. Drill pilot holes at the marked points.
5. Secure the light bar to the vehicle using the provided nuts and bolts. The 45° adjustable bracket allows for precise aiming of the light beam after installation.



Image: Visual guide demonstrating the adjustable bracket and basic steps for mounting the light bar.

## 4.2 Wiring Connection

The included 10ft 2-wire wiring harness is designed for easy and safe connection. It features a 40A power relay and inline blade fuses for protection.

1. Connect the positive (+) wire from the light bar to the corresponding positive wire on the wiring harness.
2. Connect the negative (-) wire from the light bar to the corresponding negative wire on the wiring harness.
3. Connect the main power lead of the wiring harness to your vehicle's 12V DC power source (e.g., battery positive terminal). Ensure the inline fuse is properly seated.
4. Connect the ground wire of the harness to a suitable chassis ground point on your vehicle.
5. Mount the toggle switch in a convenient location within your vehicle's cabin. Connect the switch wires to the harness as indicated.
6. Before final use, test the light bar to ensure it functions correctly.



Image: Components of the 10ft wiring harness, including the toggle switch, 2-wire design, and fuses.



Image: Diagram illustrating the simple connection process of the light bar to the vehicle's power source via the wiring harness.

## 5. OPERATING INSTRUCTIONS

Once properly installed and wired, operating your NAOEVO LED Light Bar is simple.

### 5.1 Turning On/Off

Use the installed toggle switch to turn the LED light bar on or off. Ensure your vehicle's ignition is in a position that provides power to the accessory circuit if wired through an ignition-switched source.

## 5.2 Beam Pattern Functionality

The NAOEVO 7 Inch LED Light Bar features a spot and flood combo beam design:

- **Spot Beam (15°):** Provides a concentrated, long-distance light projection, ideal for illuminating far-off objects or navigating trails at higher speeds.
- **Flood Beam (120°):** Offers a wide, dispersed light pattern, excellent for illuminating the immediate surroundings, enhancing peripheral vision, and providing broad area lighting for work or camping.

The combination of these two patterns ensures comprehensive lighting coverage for various driving and work scenarios.

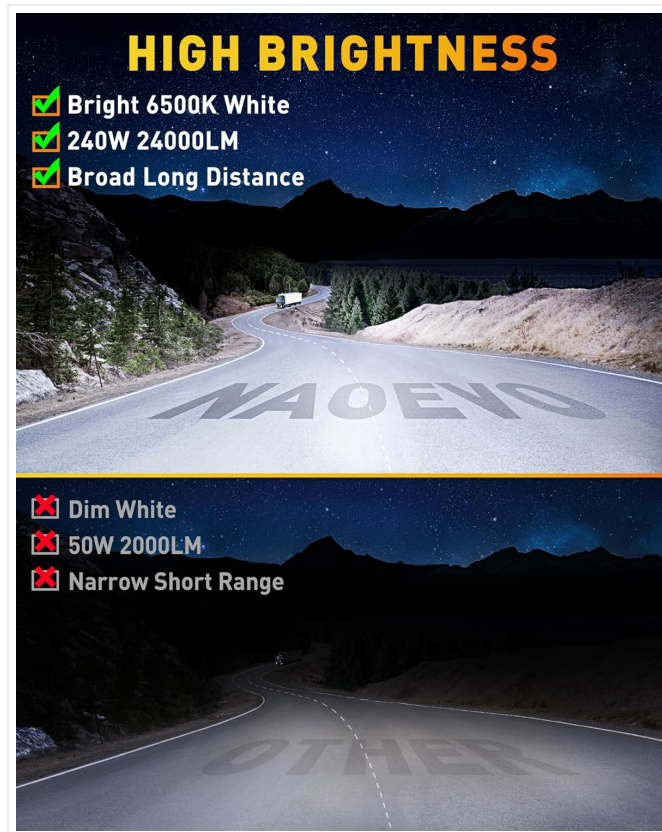


Image: Comparison illustrating the superior brightness and broad long-distance coverage of the NAOEVO light bar compared to standard lights.



Image: Detailed view of the light bar's internal structure, highlighting the 15° spotlight and 120° floodlight components for combined beam output.

## 6. MAINTENANCE

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The NAOEVO LED Light Bar is built for durability and requires minimal maintenance. Regular checks will help ensure its longevity and optimal performance.

- **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 PC lens or finish.
- **Connection Check:** Annually inspect all wiring connections for tightness and corrosion. Ensure the fuses in the wiring harness are intact and free from damage.
- **Mounting Hardware:** Check mounting bolts and brackets periodically to ensure they remain secure, especially after off-road use or exposure to vibrations.
- **Cooling Fins:** Ensure the cooling fins on the back of the light bar are free from mud, dirt, or debris to allow for efficient heat dissipation.



Image: Depiction of the light bar's resilience in rainy, foggy, snowy, and dusty conditions, highlighting its robust design for minimal maintenance.

## 7. TROUBLESHOOTING

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

- **Light Bar Does Not Turn On:**

- Check all wiring connections to ensure they are secure and properly connected (positive to positive, negative to negative, and ground).
- Verify that the vehicle's battery has sufficient charge.
- Inspect the inline blade fuses in the wiring harness. Replace any blown fuses with a fuse of the same amperage rating (40A).
- Test the toggle switch for functionality.

- **Light Output is Dim or Flickering:**

- Check for loose or corroded connections, especially at the power source and ground.
- Ensure the vehicle's electrical system is providing stable 12V DC power.
- Clean the lens of the light bar if it is dirty or obstructed.

- **Moisture Inside the Lens:**

- While the light bar is IP68 rated, extreme temperature changes can sometimes cause condensation. If minor, it often dissipates with use.
- If significant moisture is present, check the integrity of the seals around the lens and housing. Contact support if the issue persists.

If these steps do not resolve the issue, please contact NAOEVO customer support for further assistance.

## 8. WARRANTY AND SUPPORT

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NAOEVO stands behind the quality of its products. The NAOEVO 7 Inch LED Light Bar comes with **1-year warranty** from the date of purchase.

This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by improper installation, misuse, accidents, modifications, or unauthorized repairs.

For warranty claims, technical support, or any questions regarding your product, please contact NAOEVO customer service through the retailer where you purchased the product or visit the official NAOEVO website for contact information.

Please have your proof of purchase and product model number ready when contacting support.

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