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› NAOEVO 4 Inch LED Pod Lights User Manual

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NAOEVO 4 Inch LED Pod Lights User Manual

Model: 4 Inch Led Light Pods

Brand: NAOEVO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NAOEVO 4 Inch LED Pod Lights. Please read this manual thoroughly before installation and use to ensure proper function and safety. These LED pod lights are designed for various applications, including off-road vehicles, trucks, boats, ATVs, and UTVs, providing enhanced illumination with a spot and flood combo beam pattern.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation.



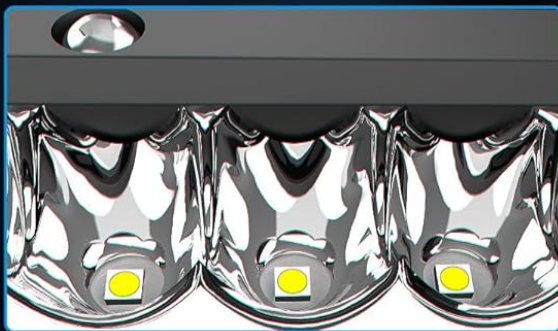
Image: Contents of the NAOEVO 4 Inch LED Pod Lights package, showing two LED pod lights, a wiring harness with switch and relay, and various installation accessories.

- 1 Pair (2 Pcs) 4 Inch LED Light Pods
- 1 Set 10ft Wiring Harness (includes 40A power relay, inline blade fuses, and toggle switch)
- 1 Set Installation Parts (brackets, screws, nuts)
- Spare Male Connectors
- Extra Blade Fuses

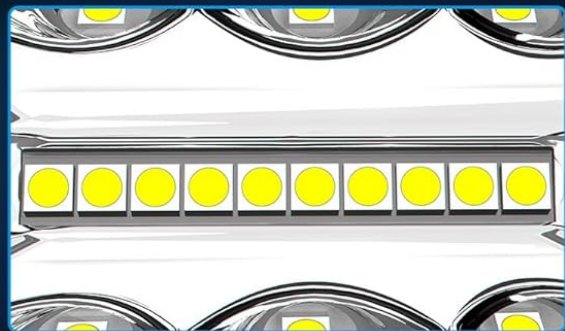
3. PRODUCT FEATURES

- **Spot Flood Combo Beam Pattern:** Features a 15° spotlight beam for focused, long-range visibility and a 120° floodlight beam for broader coverage. This combination provides versatile lighting for various driving conditions.

SPOT FLOOD COMBO BEAM



① 15° Spotlight Achieves High Focus, Long Distance Lighting Effect.



② 120° Floodlight Enable a Wide Field of Vision While Driving.

Image: Illustration of the spot and flood beam patterns, highlighting the 15-degree spotlight for distance and 120-degree floodlight for wide area illumination.

- **High Brightness LED Chips:** Each 4-inch LED cube light utilizes 20 high-end SMD3030 LED chips, emitting a bright 6500K white light for effective darkness penetration.



Image: Detailed view of the LED chips inside the light pod, indicating 20 high-intensity SMD3030 LED chips per unit.

- **Durable Construction:** Features an aluminum housing and advanced sealing technology, achieving an IP68 waterproof rating. Equipped with a long-lasting PC lens to withstand harsh environmental conditions.

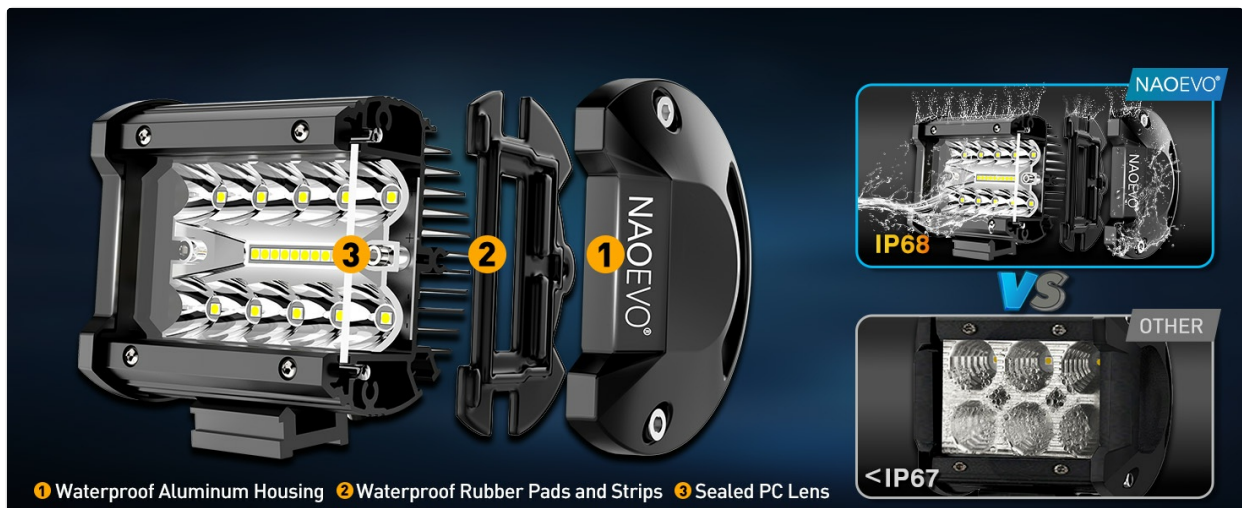


Image: Diagram illustrating the waterproof design of the LED pod light, including the aluminum housing, rubber pads, and sealed PC lens, ensuring IP68 water resistance.

- **Efficient Heat Dissipation:** Incorporates 10 cooling fins for effective heat dissipation, extending the lifespan of the lights up to 50,000 hours.

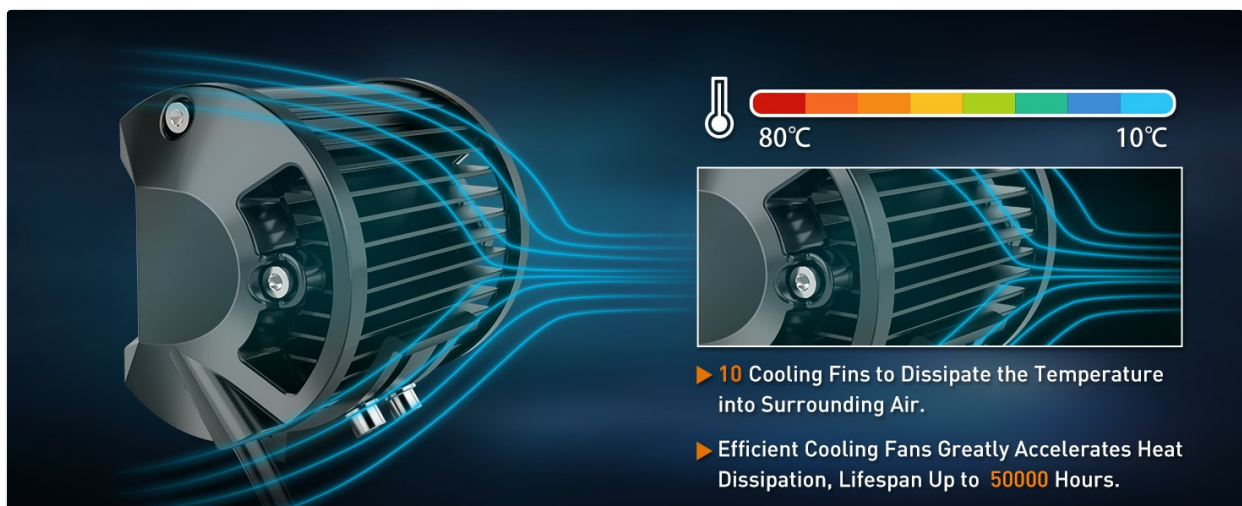


Image: Illustration of the heat dissipation system, showing 10 cooling fins designed to maintain optimal operating temperature and extend product life.

- **Complete Wiring Harness:** Includes a 10ft, 2-lead wiring harness with a 40A power relay, inline blade fuses, and a toggle switch for easy and safe installation.

2 LEADS 10FT HARNESS INCLUDED



The main image shows a coiled black 10ft 2-lead wiring harness. It features a red toggle switch, a 40A power relay, and inline blade fuses. The harness is shown against a dark blue background with a subtle pattern.



Toggle Design Switch



2-Wires Design



Fuses & Male Connectors Provided

Image: The complete 10ft 2-lead wiring harness, featuring a toggle switch, 40A relay, and inline blade fuses for comprehensive protection.

- **Adjustable Mounting Bracket:** The 45° adjustable irradiation bracket allows for precise adjustment of the light beam direction.

EASY INSTALLATION



Adjustable Bracket
(Up/Down/Left/Right)



45° Adjustment

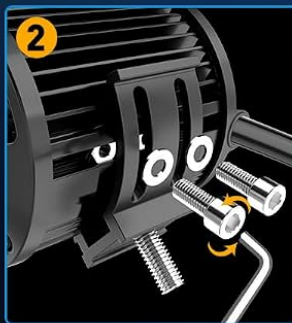


Image: Detailed view of the adjustable bracket, demonstrating how it allows for 45-degree angle adjustments for optimal light positioning.

4. SPECIFICATIONS

Feature	Specification
Item Dimensions (L x W x H)	4 x 2.6 x 4 inches
Brand	NAOEVO

Feature	Specification
Color	White
Auto Part Position	Front
Special Feature	Spot Flood Combo beam pattern, efficient heat dissipation with 10 cooling fans
Item Weight	1.5 Pounds
Material	Aluminum
Water Resistance Level	Waterproof (IP68)
Number of Pieces	2
Item Model Number	4 Inch Led Light Pods
Shape	Square
Specific Uses	Fog Lights, Off Road, Driving

5. SETUP AND INSTALLATION

5.1 Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Mount lights in a location that does not obstruct the driver's view or interfere with vehicle safety systems.
- Consult a professional if you are unsure about any part of the installation process.

5.2 Wiring Diagram

The included wiring harness is designed to connect two LED lights simultaneously. Follow the diagram below for correct electrical connections.

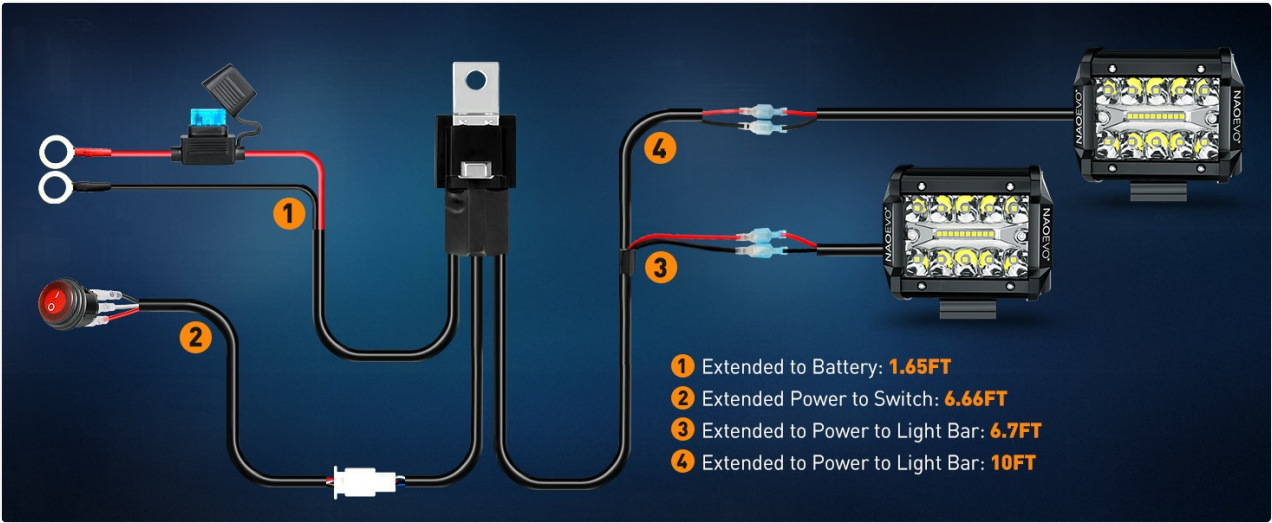


Image: Detailed wiring diagram showing connections from the battery to the relay, switch, and then to the two LED light pods. Labels indicate wire lengths for different sections.

1. Connect the main power wire (red, labeled 1) from the harness to the positive terminal of your vehicle's battery.

2. Connect the ground wire (black) from the harness to the negative terminal of your vehicle's battery or a suitable chassis ground point.
3. Mount the toggle switch (labeled 2) in a convenient location within the vehicle's cabin.
4. Connect the two output leads (labeled 3 and 4) from the harness to your LED light pods. Ensure the positive and negative terminals match.
5. Secure all wiring using cable ties to prevent chafing or interference with moving parts.

5.3 Mounting the Lights

Use the provided adjustable brackets and hardware to mount the LED pod lights securely.



Image: Example of LED pod lights installed on an ATV, demonstrating a typical mounting scenario and wiring connection.

1. Attach the mounting brackets to the LED pod lights using the supplied screws.
2. Choose a suitable mounting location on your vehicle (e.g., bumper, roof rack, ditch light brackets).
3. Secure the brackets to the vehicle using appropriate bolts and nuts.
4. Adjust the angle of the lights using the 45° adjustable bracket to achieve the desired beam direction. Tighten all fasteners once the desired angle is set.

6. OPERATING INSTRUCTIONS

Once installed, operate the LED pod lights using the included toggle switch.

- Turn the ignition key to the 'ON' position (or ensure battery power is available).
- Press the toggle switch to turn the LED pod lights ON. The switch will illuminate to indicate the lights are active.
- Press the toggle switch again to turn the LED pod lights OFF.



Image: Details of the ON/OFF toggle switch, showing its design and red indicator light when active.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED pod lights.

- **Cleaning:** Periodically clean the lens with a soft cloth and mild soap and water. Avoid abrasive cleaners that could scratch the lens.
- **Inspection:** Regularly check all wiring connections for corrosion or damage. Ensure mounting hardware remains tight.
- **Fuse Replacement:** If the lights stop working, check the inline blade fuse in the wiring harness. Replace with a fuse of the same rating if blown.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on	No power to the harness, blown fuse, loose connection, faulty switch	Check battery connections, inspect and replace fuse if necessary, verify all wiring connections are secure, test the switch.

Problem	Possible Cause	Solution
Lights flicker or are dim	Poor ground connection, insufficient power, loose wiring	Ensure a solid ground connection, check battery voltage, tighten all wiring connections.
Moisture inside the lens	Seal compromise, extreme temperature changes	If minor condensation, it may dissipate. If persistent or significant, contact support for assistance.

9. WARRANTY & SUPPORT

NAOEVO stands behind its products. If you encounter any issues with your LED light bar, please contact NAOEVO customer support for assistance. Refer to your purchase documentation for specific warranty terms and duration.

For support, please visit the official NAOEVO store or contact their customer service through the platform where the product was purchased.

NAOEVO Store Link: [Visit the NAOEVO Store on Amazon](#)

10. APPLICATION

These LED pod lights are versatile and suitable for a wide range of vehicles and uses.



Image: Examples of diverse applications for the LED pod lights, such as off-road driving, marine use, heavy machinery, and general outdoor illumination.

- Off-road vehicles (Jeeps, SUVs)
- Trucks
- ATVs and UTVs
- Boats and marine vessels
- Heavy-duty equipment
- Work lights
- Camping and outdoor lighting

