Zmoon 3079

Zmoon 12 Inch LED Light Bar Instruction Manual

Brand: Zmoon | Model: 3079

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Zmoon 12 Inch LED Light Bar. Designed for durability and high performance, this light bar features a five-row spot and flood combo beam, making it suitable for various vehicles and applications including trucks, ATVs, UTVs, SUVs, tractors, boats, and weeders. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

KEY FEATURES

- **5-Row 88pcs High Lumen LEDs:** Composed of 3 rows of 15° spot lights and 2 rows of 170° flood lights, providing 4000 lumens of 6500K white light for extended and wider illumination, enhancing night driving safety.

- **50,000 Hours Lifespan:** Features 18 heat dissipation fins on the back for efficient heat management, ensuring a longer working life. Resistant to temperatures between -40°F to 185°F.

- **IP67 Waterproof & Dustproof:** Constructed from aluminum alloy die-casting with a 0.5 cm thickness, completely sealed with rubber rings, rubber pads, and aluminum alloy plugs to prevent water and dust ingress.

- **Alloy Adjustable Brackets:** High-hardness alloy brackets ensure stability on bumpy roads and allow for vertical adjustment of the light angle.

- **Universal Compatibility:** Operates on DC 9-30V, compatible with 12V and 24V vehicles.

Figure 1: Illustration of the 5-row spot and flood combo beam for wide and far illumination.
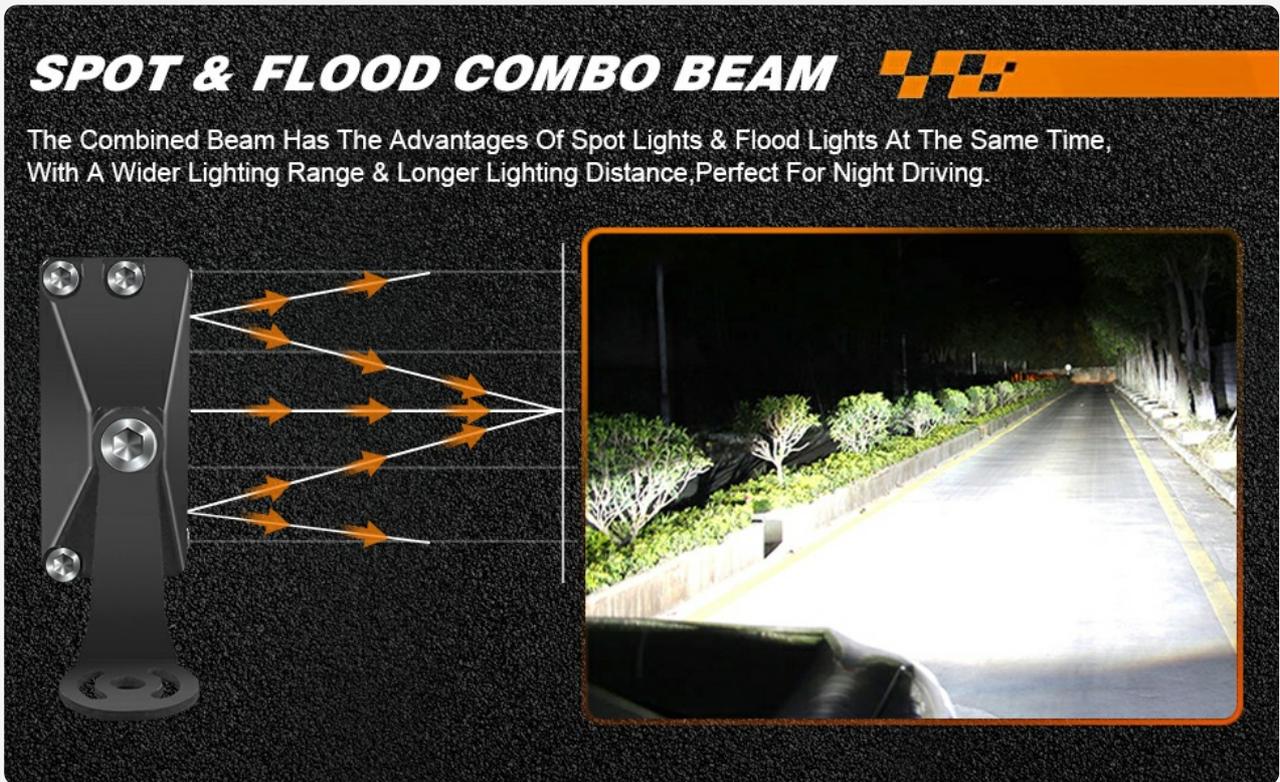

Figure 2: The rear of the light bar showing 18 heat dissipation fins for extended lifespan.

SPECIFICATIONS

Attribute	Value
Color	Black

Attribute	Value
Shape	Rectangular
Material	Aluminum
Finish Type	Alloy
Light Source Type	LED
Power Source	DC adapter
Item Weight	0.52 Kilograms (1.14 pounds)
Voltage	12 Volts (DC)
Light Source Wattage	264 Watts (Advertised), 40 Watts (Actual)
Mounting Type	Bracket Mount
Color Temperature	6500 Kelvin
Number of Light Sources	88
Product Dimensions	12"L x 1.02"W x 2.4"H
Special Features	Waterproof

SETUP AND INSTALLATION

For detailed installation instructions, please refer to the officialInstallation Manual (PDF) provided by Zmoon. Below are general steps and visual aids for typical installation.

1. Unboxing and Component Check

Upon receiving your Zmoon LED Light Bar, carefully unbox all components and verify that all parts are present. The package typically includes the light bar, mounting brackets, and necessary hardware.

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Video 1: Unboxing and initial overview of the Zmoon 12 inch LED Light Bar and its components.

2. Attaching Mounting Brackets

The light bar comes with adjustable alloy brackets. Attach these brackets to the sides of the light bar using the provided screws and hex key. Ensure they are securely fastened but allow for slight adjustment for aiming.

PRODUCT DIMENSION

12.5in/ 32cm

13.9in/ 35.3cm

1.02in/ 2.59cm

2.95in/ 7.5cm

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Fit for all 9-30v vehicles and devices, such as Off-Road, Heavy Duty, Jeep, SUV, ATV, UT-V, Truck, Car, Boat etc

INSTALLATION BRACKETS

Figure 3: Detailed view of the product dimensions and the included adjustable mounting brackets.

EASY TO MOUNT

Figure 4: Illustration of how to easily mount the brackets to the light bar.

Figure 5: The 360° adjustable brackets allow for precise aiming of the light beam.

3. Wiring the Light Bar

The light bar operates on DC 9-30V. Connect the red wire to the positive (+) terminal of your vehicle's power source (e.g., battery or switch) and the black wire to the negative (-) terminal or ground. It is recommended to use a fuse and relay for protection and proper operation. Ensure all connections are secure and insulated.

Figure 6: The light bar features tinned copper wires for reliable electrical connections.

OPERATING INSTRUCTIONS

Once properly installed and wired, the Zmoon LED Light Bar is ready for operation. Activate the light bar using the connected switch in your vehicle. The combination of spot and flood beams provides versatile lighting for various scenarios.

Figure 7: The Zmoon 12 Inch LED Light Bar in operation, showcasing its bright output.

WIDE APPLICATIONS

Figure 8: Examples of the light bar's wide applications, from off-road vehicles to garden lighting.

MAINTENANCE

To ensure the longevity and optimal performance of your Zmoon LED Light Bar, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the lens with a soft cloth and mild soap solution to remove dirt, mud, or debris that may obstruct light output. Avoid abrasive cleaners.
- **Connection Check:** Periodically inspect all electrical connections for corrosion or looseness. Ensure wires

are securely insulated to maintain the IP67 waterproof rating.

- **Bracket Inspection:** Check mounting brackets and hardware for any signs of wear, corrosion, or loosening, especially after off-road use. Tighten as necessary.

- **Waterproof Integrity:** While IP67 rated, avoid high-pressure washing directly on the light bar seals to prevent potential water ingress over time.

TROUBLESHOOTING

If you encounter issues with your Zmoon LED Light Bar, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light bar does not turn on.	No power, loose connection, blown fuse, faulty switch.	Check power source, verify all wiring connections, inspect fuse, test switch functionality.
Light output is dim or flickers.	Insufficient power, loose connection, damaged wiring, dirty lens.	Ensure adequate voltage (9-30V DC), check connections, inspect wiring for damage, clean the lens.
Moisture inside the lens.	Compromised seal, extreme temperature changes.	Ensure proper installation and sealing. Small amounts of condensation may dissipate naturally. If persistent, contact support.
Light bar overheats.	Blocked heat fins, prolonged use in extreme heat.	Ensure heat dissipation fins are clear of debris. Reduce continuous operation time in very high ambient temperatures.

WARRANTY AND SUPPORT

Specific warranty details for the Zmoon 12 Inch LED Light Bar are not provided in the product information. For any warranty claims, technical support, or further inquiries, please contact Zmoon customer service directly or visit their official store page.

Zmoon Store: Visit the Zmoon Store on Amazon

Each item is verified by Transparency with a unique code before shipping.