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OFFROADTOWN LED Light Pods

OFFROADTOWN 30W CREE LED 6 Inch Spot Light Bar Instruction Manual

Model: LED Light Pods

1. Introduction

Thank you for choosing the OFFROADTOWN 30W CREE LED 6 Inch Spot Light Bar. This product is designed to provide powerful and reliable illumination for various off-road and automotive applications. Featuring advanced LED technology and a robust construction, it ensures enhanced visibility and durability in challenging environments.
Key features include:

- **Unmatched Brightness:** Integrates 6 premium CREE LED chips for a 30W output and 3,000LM of intense 6000K cool white spot beam illumination.
- **Superior Spot Beam:** Advanced 5D optical technology ensures enhanced light transmission efficiency and a focused beam pattern for long-distance visibility.
- **Solid Structure:** IP68 rated die-cast aluminum housing, hard-coated optical lens, and 24 high-density heatsinks provide extreme durability, waterproofing, shockproofing, and dustproofing.
- **Wide Application:** Universal fit for DC 12-30V vehicles, including SUVs, UTVs, ATVs, trucks, and more.

2. Package Contents

Please verify that all items are present in your package:

- 1 x 6 Inch LED Pod Light
- 1 x Adjustable Bracket
- 1 x Screw Set (including M8 and M6 bolts, nuts, and washers)
- 1 x Shockproof EVA Gasket



Image: The OFFROADTOWN 6 Inch LED Spot Light Bar shown with its adjustable bracket and screw set.

3. Specifications

Feature	Detail
Model Number	LED Light Pods
Power	30 Watts
Voltage	DC 12-30V
Light Source Type	CREE LED
Number of Light Sources	6
Color Temperature	6000K (Cool White)

Feature	Detail
Beam Type	Spot Beam
Material	Die-cast Aluminum Housing
Finish Type	Powder Coated
Waterproof Rating	IP68
Lifespan	Over 50,000 hours
Dimensions (L x W x H)	7.88" x 2.37" x 2.56"
Mounting Type	Bracket Mount

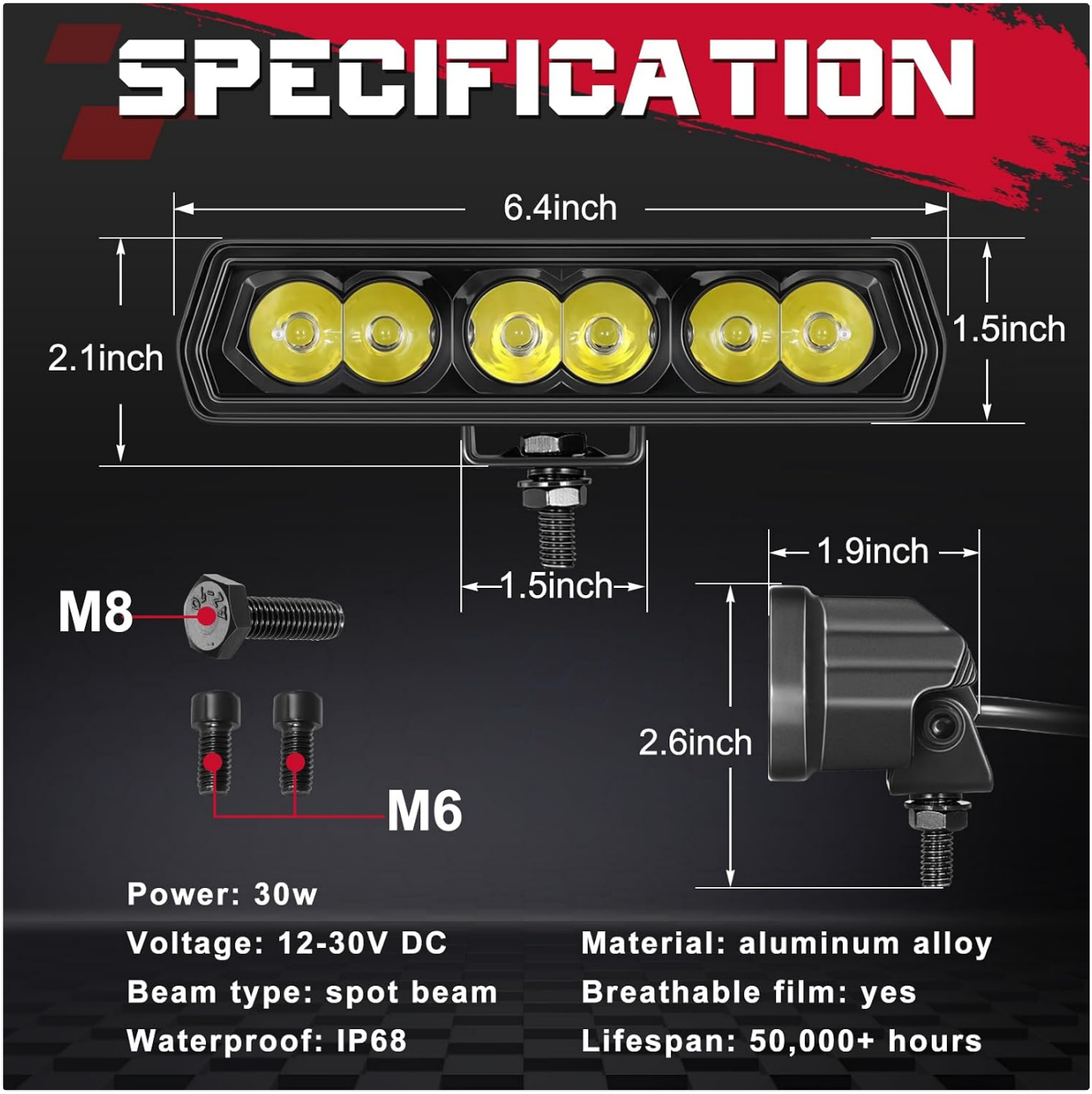

Image: Technical drawing showing the dimensions and key specifications of the light bar.

4. Safety Information

Please read and understand all safety instructions before installation and operation to prevent injury or damage to the product or vehicle.

- Ensure the vehicle's power is disconnected before beginning installation to avoid electrical shock.
- Verify that the operating voltage of your vehicle (DC 12-30V) is compatible with the light bar.
- Avoid looking directly into the light when it is on, as the intense brightness can cause eye strain or temporary vision impairment.
- Securely mount the light bar to prevent it from detaching during vehicle operation.
- If you are unsure about the installation process, seek professional assistance.

5. Installation Guide

5.1. Before Installation

1. Unpack the light bar and all components. Inspect for any damage.
2. Gather necessary tools: wrench set, wire strippers, crimping tool, electrical tape, drill (if needed).
3. Choose a suitable mounting location on your vehicle (e.g., front bumper, rear bumper, roof rack). Ensure the location provides clear light projection and does not obstruct vehicle functions or other lights.

5.2. Mounting Instructions

1. Attach the adjustable bracket to the light bar using the provided M6 bolts and washers. Do not fully tighten yet.
2. Position the light bar in your desired mounting location. Use the shockproof EVA gasket between the bracket and the mounting surface to reduce vibration and protect the surface.
3. Mark the drilling points for the M8 mounting bolts. Drill pilot holes if necessary.
4. Secure the light bar to the vehicle using the M8 bolts, washers, and nuts. Adjust the angle of the light bar as needed, then fully tighten all bolts.



Image: The light bar installed on different vehicle types, demonstrating wide application.

5.3. Wiring Instructions

1. Connect the red wire from the light bar to the positive (+) terminal of your vehicle's 12-30V DC power source (e.g., battery, auxiliary fuse box). It is recommended to use an inline fuse (not included) for protection.
2. Connect the black wire from the light bar to the negative (-) terminal or a suitable ground point on your vehicle's chassis.
3. For switched operation, integrate a relay and switch (not included) into the wiring circuit. Consult a professional if you are unfamiliar with automotive electrical wiring.
4. Ensure all connections are secure and insulated to prevent short circuits and corrosion.

6. Operation

6.1. Turning On/Off

Once properly installed and wired, the light bar can be turned on or off using the connected switch (if installed). Ensure

your vehicle's ignition is on if wired to an ignition-controlled circuit.

6.2. Beam Pattern

This light bar features a spot beam pattern, designed to project light over long distances with a concentrated focus. This is ideal for illuminating distant objects or enhancing forward visibility during off-road driving.



Image: Illustration of the LED technology and how the light beam is focused.



Image: The powerful spot beam of the light bar illuminating a dark road.

7. Maintenance

Regular maintenance will help ensure the longevity and optimal performance of your OFFROADTOWN LED Light Bar.

- **Cleaning:** Periodically clean the lens with a soft cloth and mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the lens or finish.
- **Connection Check:** Regularly inspect all electrical connections for corrosion or looseness. Tighten any loose connections and clean any corrosion.
- **Mounting Security:** Check the mounting bolts periodically to ensure they remain tight and secure, especially after off-road use.
- **Durability:** The IP68 waterproof rating ensures protection against dust and water immersion. The robust aluminum housing and efficient heat dissipation system (24 oversized heat sinks) contribute to a long operational lifespan of over 50,000 hours.



Image: The light bar shown in water, highlighting its IP68 waterproof capabilities.

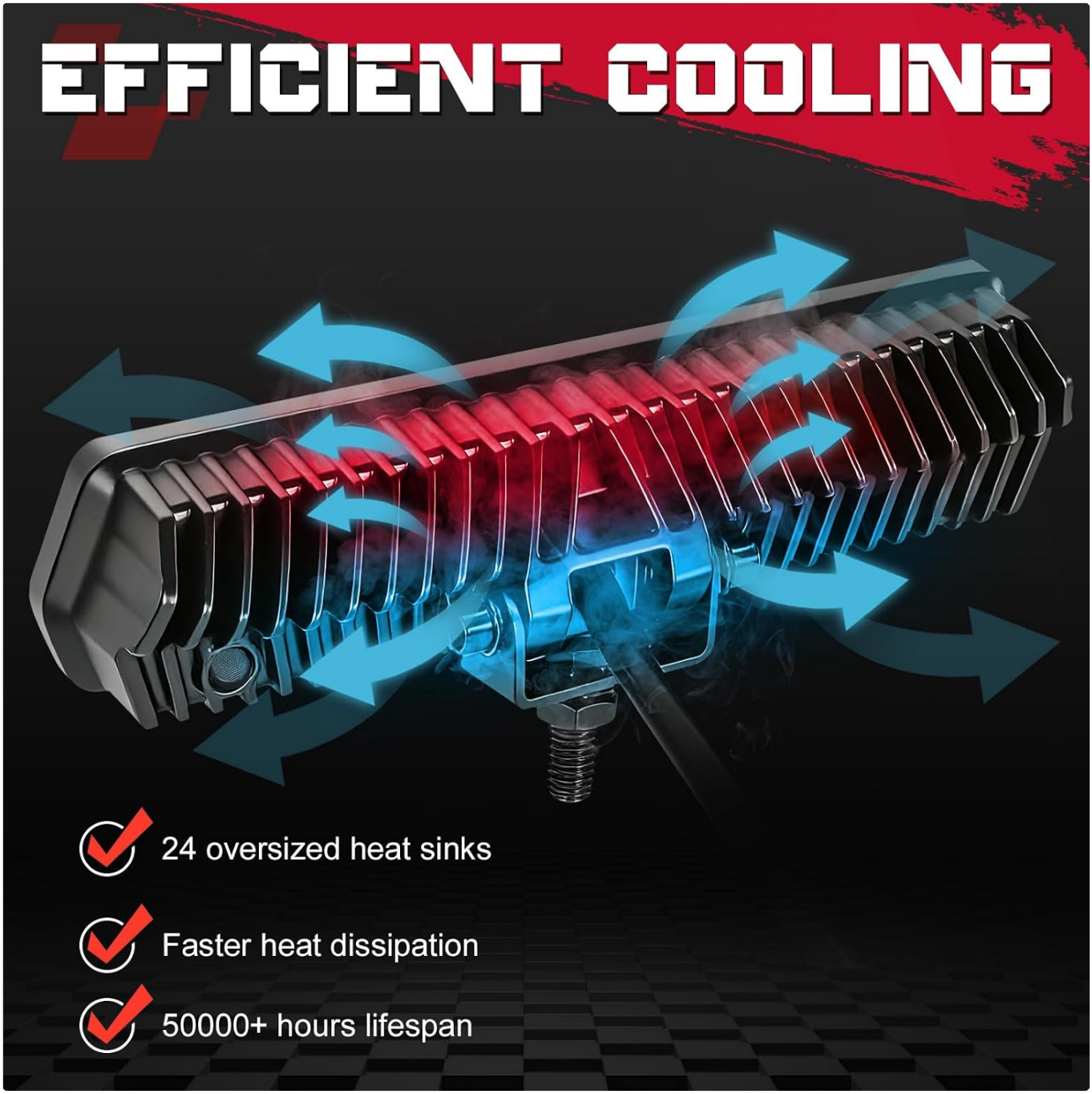

Image: Visual representation of the heat dissipation fins for efficient cooling.

8. Troubleshooting

If you encounter issues with your light bar, refer to the following common problems and solutions:

- **Light Not Turning On:**
  - Check all wiring connections for looseness or corrosion.
  - Verify that the power source (battery, fuse) is providing the correct voltage (12-30V DC).
  - Inspect the fuse (if installed) for continuity. Replace if blown.
  - Ensure the switch (if installed) is functioning correctly.
- **Dim or Flickering Light:**
  - Check for insufficient voltage or a weak ground connection.
  - Ensure all wiring is of adequate gauge for the power draw.

- **Moisture Inside Lens:**
    - While the product is IP68 rated, extreme temperature changes can sometimes cause minor condensation. This usually dissipates on its own. If persistent, check for cracks or damage to the housing or seals.

If these steps do not resolve the issue, please contact customer support.

9. Warranty and Support

9.1. Manufacturer Warranty

This OFFROADTOWN LED Light Bar comes with a**12-month manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

9.2. Customer Support

For technical assistance, warranty claims, or any questions regarding your OFFROADTOWN product, please contact our customer support team. Refer to your purchase documentation or the retailer's website for specific contact details. When contacting support, please have your product model number (LED Light Pods) and proof of purchase readily available.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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