

## Auxbeam ZD000617

# Auxbeam 7-Inch 240W Round LED Offroad Driving Lights Instruction Manual

Model: ZD000617

## PRODUCT OVERVIEW

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The Auxbeam 7-inch 240W Round LED Offroad Driving Lights are designed to provide powerful and reliable illumination for various off-road vehicles. Featuring a unique appearance with a low-energy consumption LED DRL in the center, these lights offer extended lighting range and enhanced visibility for safer driving.

## Key Features

- **Unique Appearance Patent Design:** Integrated DRL for auxiliary illumination.
- **Long Distance Spot Lighting:** Illumination distance up to 1.1 kilometers (3,300 feet) with strong penetrating power.
- **High Efficiency:** 23 high-intensity LEDs, 120W\*2 power, up to 24000LM.
- **Perfect Performance:** Multiple cooling fins and 2.56-inch thick aluminum alloy housing for excellent heat dissipation and extended lifespan (over 50,000 hours).
- **Excellent Quality:** IP68 waterproof rating, tempered glass, and stainless steel mounting brackets for durability in harsh conditions.
- **Plug & Play:** Includes 2-lead DT wiring harness kit with fuse, relay, and switch for easy installation.

## Package Contents

- 2 x 7-inch Round LED Driving Lights
- 2 x Mounting Brackets Kit
- 1 x 10FT DT Wiring Harness
- 1 x User Manual
- 1 x Auxbeam Sticker



Figure 1: Auxbeam 7-inch Round LED Offroad Lights with included wiring harness and mounting hardware.

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Video 1: An overview video showcasing the Auxbeam 7-inch LED Round Driving Light, highlighting its 240W power and 24000 lumens output.

SPECIFICATIONS

Attribute	Value
Model Number	ZD000617
Color Temperature	6500K White
Shape	Round
Material	Aluminum

Light Source Type	LED
Voltage	12 Volts
Brightness	24000 Lumen (Pair)
Wattage	240W (120W per light)
Waterproof Rating	IP68
Beam Angle	30 Degrees
Lifespan	Over 50,000 hours

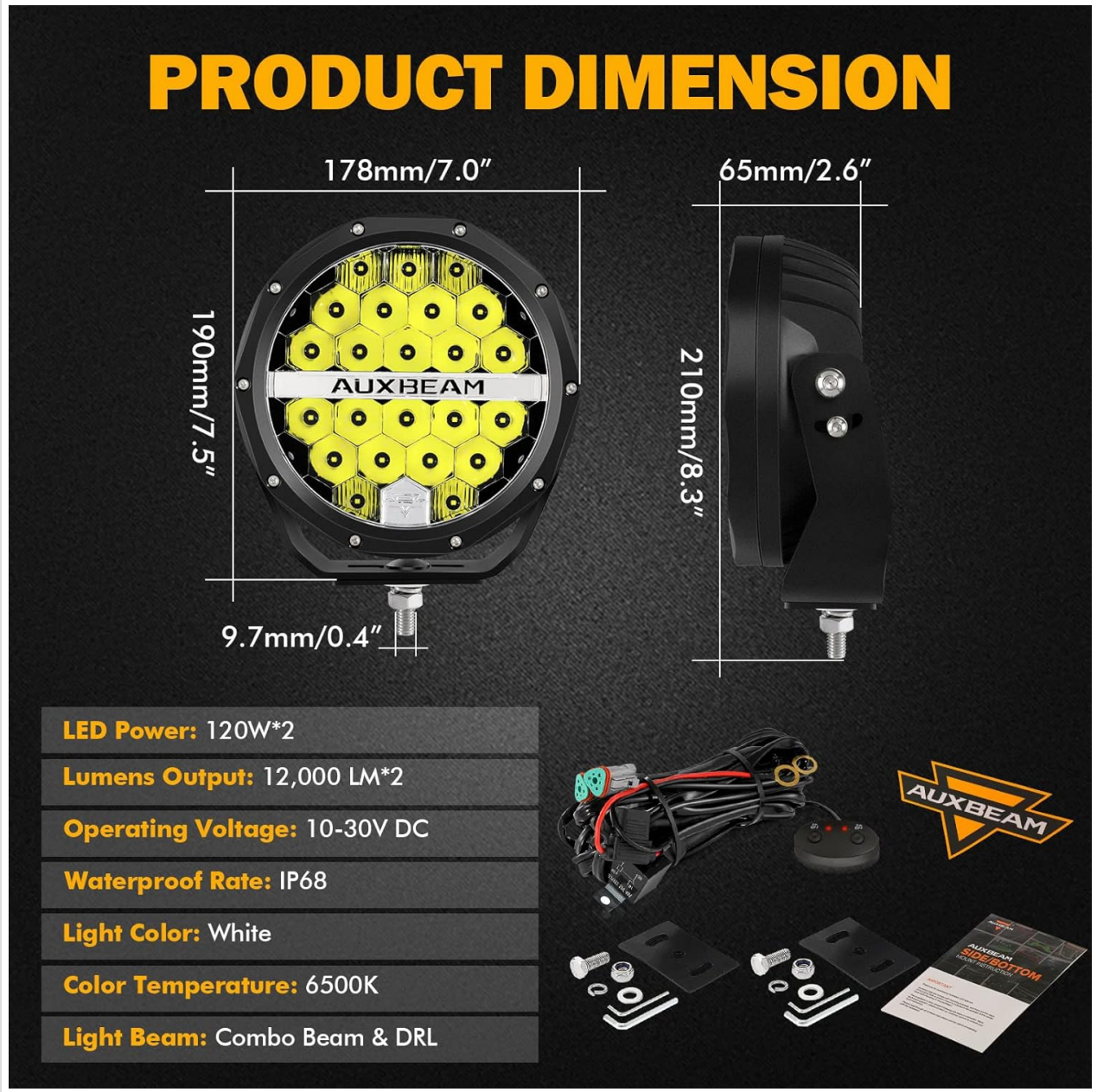


Figure 2: Product dimensions and detailed specifications.



## Safety Precautions

- Ensure the vehicle's power is off before starting installation.
- Wear appropriate safety gear, including gloves and eye protection.
- Verify all connections are secure and properly insulated to prevent short circuits.
- Consult a professional if you are unsure about any steps.

## Wiring Diagram

The Auxbeam LED lights come with a convenient plug-and-play DT wiring harness kit, simplifying the installation process. This kit includes a fuse, relay, and switch, eliminating the need for complex custom wiring.



Figure 3: Detailed wiring diagram for connecting the Auxbeam LED lights.

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Video 2: This video provides an unboxing and overview of the Auxbeam RAY-L Series 7 Inch Round Offroad Lights, including components and basic setup.

## Mounting Instructions

The lights are equipped with 90-degree adjustable stainless steel mounting brackets, allowing for flexible positioning to achieve the desired lighting angle. Secure the brackets to a stable surface on your vehicle using appropriate hardware.



Figure 4: Adjustable mounting brackets for easy light positioning.

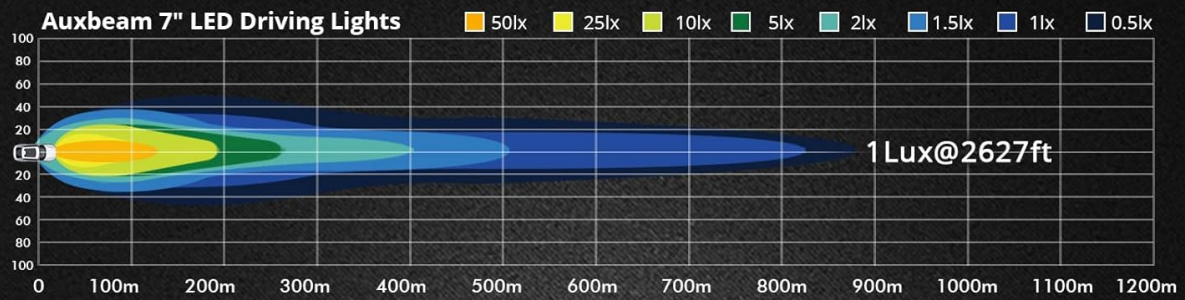
## OPERATING INSTRUCTIONS

### Light Modes

These Auxbeam lights feature multiple lighting modes, including a powerful main driving light and a distinctive DRL (Daytime Running Light) function. The DRL can be switched between white and amber colors, providing versatility for different driving conditions and aesthetic preferences.



# INCREDIBLE BRIGHTNESS



Upgraded LED chips, mixed light mode of spotlight and floodlight, 600% brighter than halogen lights.



**Combo Beam Mode**



**DRL Mode**

Figure 5: Illustration of Combo Beam Mode and DRL Mode.

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Video 3: This video demonstrates the DRL mode and main light functionality of the Auxbeam 7-inch round offroad light.

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Video 4: This video details the 360-PRO Round Offroad Lights with a 7-inch super lens design, demonstrating its optical features and performance.

## Performance

The advanced spot reflector cup design ensures a focused beam that extends far ahead, providing critical visibility for high-speed driving in dark conditions. The combination of high-intensity LEDs and efficient optics delivers a powerful and clear light output.

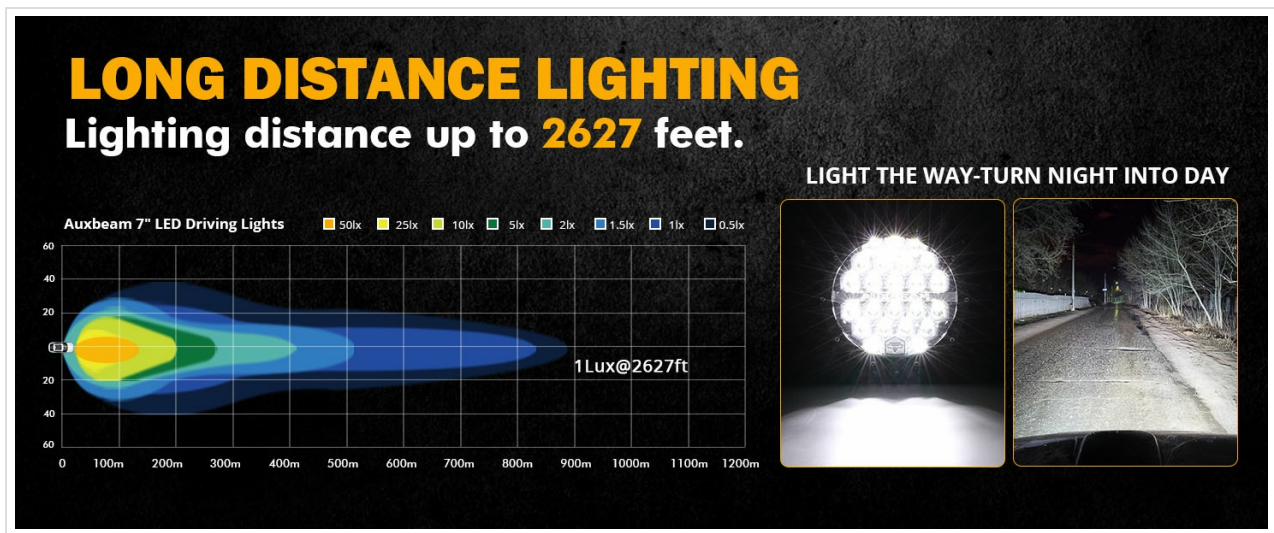


Figure 6: Long-distance lighting capability of the Auxbeam 7-inch LED driving lights.

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Video 5: A demonstration of the brightness and beam pattern of 7-inch offroad lights in a dark environment.

## MAINTENANCE AND CARE

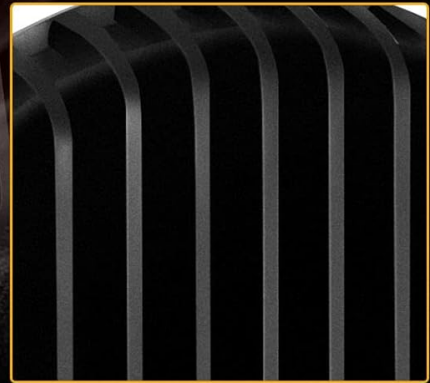
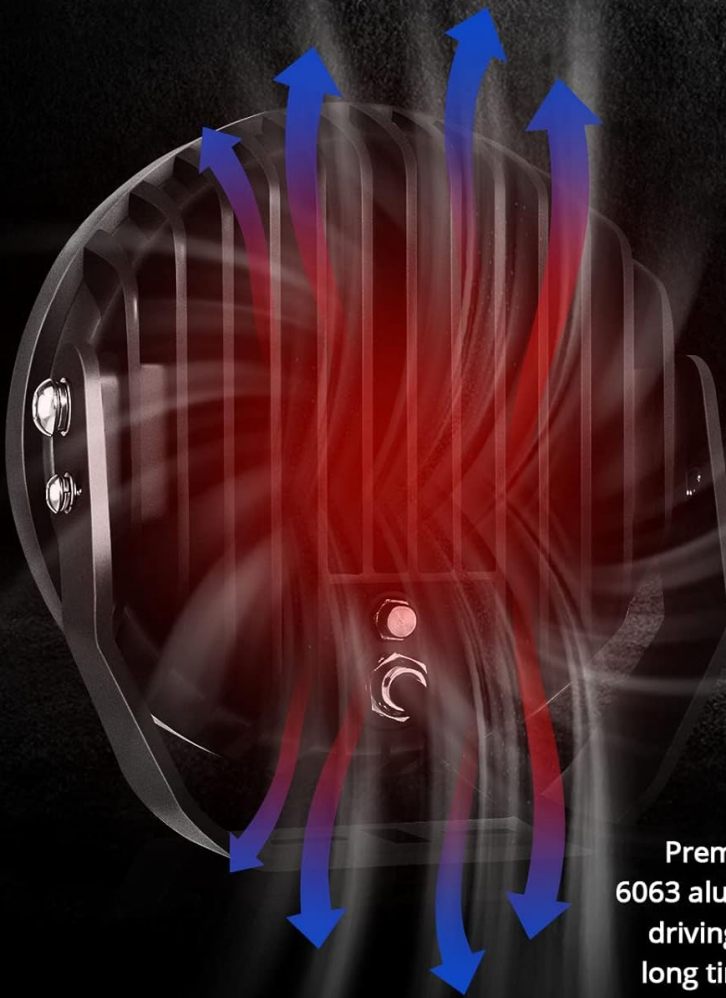
### Cleaning and Inspection

- Regularly clean the lens with a soft cloth and mild soap to maintain optimal light output.
- Inspect wiring and connections periodically for any signs of wear or damage.
- Ensure mounting hardware remains tight to prevent vibration and potential damage.

### Durability Features

The lights are constructed with a robust die-cast aluminum housing and feature an IP68 waterproof rating, making them resistant to dust, water, and harsh weather conditions. The efficient cooling system prevents overheating, contributing to the long lifespan of the LEDs.

# EFFICIENT HEAT DISSIPATION



Premium cooling fins and die-casting 6063 aluminum housing allow the round driving light to cool down quickly after long time working, enhance lifespan of over 50,000 hours

Figure 7: Efficient heat dissipation design for prolonged performance.





Figure 8: IP68 waterproof rating ensures reliability in various weather conditions.

## TROUBLESHOOTING



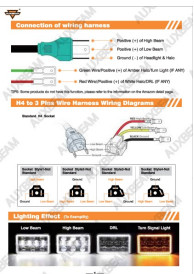


Problem	Possible Cause	Solution
Lights do not turn on	No power, loose connection, blown fuse, faulty switch.	Check power source, inspect all wiring connections, replace fuse if blown, test switch functionality.
Lights flicker or dim	Insufficient power, loose connection, voltage fluctuations.	Ensure stable power supply, tighten connections, check vehicle's electrical system.
DRL not functioning	Incorrect wiring for DRL, DRL circuit issue.	Review wiring diagram for DRL connections, test DRL circuit.

## WARRANTY AND SUPPORT

Auxbeam products are manufactured to high-quality standards and are backed by a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact Auxbeam customer service through their official website or the retailer where the product was purchased.

*Note: Unauthorized modifications or improper installation may void the product warranty.*

### Related Documents - ZD000617

	<p><a href="#">Auxbeam 4 Inch LED Fog Lights Installation and Information</a></p> <p>Comprehensive guide to Auxbeam's 4-inch LED Fog Lights, covering brand introduction, product features, installation steps, wiring diagrams, and troubleshooting tips for Jeep Wrangler models.</p>
	<p><a href="#">Auxbeam 7 Inch LED Headlights: Installation, Features, and Support</a></p> <p>Comprehensive guide to Auxbeam 7 Inch LED Headlights for Jeep Wrangler and other vehicles. Includes installation steps, wiring diagram, FAQs, tips, and product features like DRL and turn signals.</p>
	<p><a href="#">Auxbeam 4x6 LED Headlights Wiring and Installation Guide</a></p> <p>Comprehensive guide for Auxbeam 4x6 LED headlights, detailing wiring harness connections, installation steps, lighting effects, and moisture removal. Includes safety precautions and customer support information.</p>
	<p><a href="#">Auxbeam 9-Inch LED Headlights &amp; 4-Inch Fog Lights Installation Manual</a></p> <p>Comprehensive installation guide for Auxbeam QP009631, QP009524, and QP006349 LED headlights and fog lights for Jeep Wrangler JL. Includes package contents, tools required, step-by-step instructions, and detailed wiring diagrams for halogen and LED stock headlights.</p>
	<p><a href="#">AUXBEAM LED Headlights Installation Guide</a></p> <p>Step-by-step installation guide for AUXBEAM LED headlights, including wiring instructions, lighting effects, moisture removal, and safety precautions for vehicles like Jeep Wrangler.</p>

A step-by-step guide on installing the Auxbeam AC-1200 switch panel in a Jeep TJ Wrangler, covering mounting the control box, powering it, and connecting the switch panel.