Lumitecs MS1 ECE

Lumitecs Auxiliary Headlights MS1 ECE for Royal Enfield Himalayan: Instruction Manual

Model: MS1 ECE

1. Introduction

Thank you for choosing Lumitecs Auxiliary Headlights MS1 ECE. This manual provides essential information for the safe and correct installation, operation, and maintenance of your new auxiliary lighting system. Please read this manual thoroughly before installation and keep it for future reference.

2. Safety Information

- **Professional Installation Recommended:** Installation requires knowledge of motorcycle electrics. If in doubt, have the product installed by a specialist workshop.
- **Voltage:** Ensure your motorcycle's electrical system is 12 Volt compatible.
- **Wiring:** Always disconnect the battery before performing any electrical work. Ensure all connections are secure and properly insulated to prevent short circuits.
- **Mounting:** Securely mount the headlights to prevent vibration and detachment during operation.
- **Heat:** Headlights can become hot during operation. Avoid touching them immediately after use.
- **Legal Compliance:** Ensure the installation and use of auxiliary lights comply with local traffic laws and regulations. The product has ECE homologation.

3. Package Contents

Verify that all components are present:

- Auxiliary Headlight Pair (2 pieces)
- Mounting Brackets (for crash bars 25-39mm)
- Wiring Harness with Fuses



Figure 1: Complete package contents including two auxiliary headlights, mounting brackets, and wiring harness.

4. Setup and Installation

This section outlines the general steps for installing your Lumitecs Auxiliary Headlights. Due to the universal nature of the product and variations in motorcycle models, specific steps may vary. Always refer to your motorcycle's service manual for detailed instructions on accessing electrical components.

1. **Prepare the Motorcycle:** Ensure the motorcycle is turned off and the battery is disconnected to prevent electrical hazards.
2. **Mount the Headlights:**
   Attach the mounting brackets to the crash bar. The brackets are designed for crash bars with diameters between 25mm and 39mm. The bracket can be rotated 360° for individual adjustment of the headlight position.



Figure 2: Front view of the auxiliary headlights with adjustable mounting brackets.



Figure 3: Side view illustrating the compact design and bracket attachment points.

3. **Wiring Connection:**
   Connect the wiring harness to the motorcycle's 12V electrical system. The harness includes fuses for protection. Ensure proper polarity (positive to positive, negative to negative). It is recommended to connect the auxiliary lights to a switched power source, so they turn off with the ignition.
   Important: The LED luminaires are fitted with fuses. Do not bypass or modify these fuses.
4. **Secure Wiring:** Route and secure all wiring to prevent chafing, pinching, or interference with moving parts. Use zip ties or cable clips as necessary.
5. **Reconnect Battery:** Once all connections are secure and verified, reconnect the motorcycle battery.
6. **Test Functionality:** Turn on the motorcycle and test the auxiliary headlights to ensure they function correctly. Adjust the angle of the headlights for optimal illumination without dazzling oncoming traffic.

5. Operating Instructions

The Lumitecs Auxiliary Headlights are designed to complement your motorcycle's existing lighting system, providing additional illumination for improved visibility and safety, especially at the roadside. They operate with low power consumption to conserve battery power.

- **Activation:** The headlights are typically activated via a switch integrated into the wiring harness or connected to an existing auxiliary switch on your motorcycle.
- **Beam Adjustment:** The 360° rotatable bracket allows for fine-tuning the beam direction. Adjust the lights to provide optimal forward and side illumination without causing glare to other road users.
- **White Light:** The white light color ensures best illumination.

6. Maintenance

- **Cleaning:** Clean the outer lens with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the PMMA material.
- **Inspection:** Periodically check all mounting bolts and electrical connections for tightness and corrosion.
- **Housing:** The aluminum housing provides excellent protection and is 100% waterproof and dustproof to IP67 standard. No special maintenance is required for the housing itself beyond cleaning.

7. Troubleshooting

Problem	Possible Cause	Solution
Headlights do not turn on	• Loose electrical connection • Blown fuse • Faulty switch • Incorrect wiring	• Check and secure all wiring connections. • Inspect and replace any blown fuses in the wiring harness. • Test the switch for continuity. Replace if faulty. • Verify wiring against installation instructions.
Lights flicker or are dim	• Poor electrical connection • Insufficient power supply • Battery issue	• Check and tighten all connections. • Ensure the motorcycle's charging system is functioning correctly. • Check motorcycle battery voltage.

Problem	Possible Cause	Solution
Headlights vibrate excessively	• Loose mounting bolts • Incorrect bracket installation	• Tighten all mounting bolts securely. • Re-install brackets ensuring they are firmly clamped to the crash bar.

8. Specifications

- **Input Voltage:** 12 Volt
- **Power Consumption:** 11 Watt
- **Light Output:** 1,100 Lumen
- **Light Color:** 6,500 K (White)
- **Headlight Diameter:** 71mm
- **Headlight Depth:** 105mm
- **Mounting Bracket Diameter:** 25mm and 39mm (adjustable)
- **Housing Material:** High-quality painted aluminum
- **Lens Material:** Resistant and robust PMMA
- **Waterproof/Dustproof Rating:** IP67 standard
- **Homologation:** ECE approved
- **Item Weight:** Approximately 2.64 pounds (for the pair)

9. Warranty and Support

For warranty information or technical support, please contact Lumitecs customer service through the retailer where the product was purchased or visit the official Lumitecs website. Please have your purchase receipt and product model number (MS1 ECE) available when contacting support.

Ask a question about this manual

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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