

## NULKOMMA Ebike light

# NULKOMMA Ebike Headlight Instruction Manual

Model: Ebike light

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient use of your NULKOMMA Ebike Headlight. Please read it thoroughly before installation and operation to ensure proper function and longevity of the product. This LED bike light is designed for night riding, featuring a 3-pin connector and compatibility with 36V, 48V, and 52V e-bike systems.

## 2. SAFETY INFORMATION

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- Always ensure the headlight is securely mounted before riding.
- Adjust the headlight angle to illuminate the road without dazzling oncoming traffic or pedestrians.
- Regularly check the wiring and connections for any signs of wear or damage.
- Do not attempt to disassemble or modify the headlight, as this may void the warranty and pose a safety risk.
- Ensure your e-bike's power system matches the voltage requirements (36V, 48V, 52V) of the headlight.

## 3. PACKAGE CONTENTS

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Verify that all the following components are included in your package:

- LED light (Ebike Headlight)
- 2 big brackets and 2 small brackets
- 5 screwdrivers and 4 nuts
- 2 Rubber ring gaskets
- Connection wire (3-pin female to 3-pin male)



Image: All included components for the NULKOMMA Ebike Headlight.



Image: NULKOMMA Ebike Headlight and mounting accessories.

#### 4. SETUP AND INSTALLATION

The NULKOMMA Ebike Headlight is designed for easy installation on the front fork of your e-bike. Follow these steps for proper setup:

1. **Choose Mounting Location:** Identify a suitable location on your e-bike's front fork for mounting the headlight.
2. **Attach Brackets:** Use the provided big or small brackets, screws, and nuts to securely attach the headlight to the front fork. Ensure rubber ring gaskets are used to prevent slippage and protect surfaces.
3. **Connect Wiring:** Locate your e-bike's controller cable. The headlight comes with a 3-pin connector

cable. Link this directly to your e-bike's controller cable for continuous lighting.

4. **Adapter Cable (If Applicable):** If your e-bike system requires it, use the adapter cable included in the package to ensure both the speaker (horn) and light functions operate properly. If the horn and light functions are reversed or not turning on, use this adapter.
5. **Adjust Angle:** Once mounted, adjust the headlight's angle to provide optimal illumination of the road ahead without causing glare to others.

## ( Attention )

**Please use the adapter cable included in the package to ensure both the speaker and light function properly.**



Image: Important note regarding the adapter cable for proper function.



Image: Ebike Headlight mounted on a bicycle.

Video: A demonstration of the NULKOMMA Ebike Headlight, showcasing its design and components, including the 3-pin connector and mounting points.

## 5. OPERATION

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The NULKOMMA Ebike Headlight provides powerful illumination for night riding and includes an integrated horn function.

- **Headlight Activation:** Once connected to your e-bike's controller, the headlight will typically activate with your e-bike's main power or a dedicated light switch, depending on your e-bike's system.
- **Brightness:** The headlight provides 600 lumens of super bright LED light, designed to illuminate a wide range and focus on objects ahead.
- **Beam Pattern:** The glass diffuser helps distribute light evenly and features a cut-off on the top end to prevent dazzling oncoming traffic.
- **Horn Function:** The headlight includes a built-in horn. If your e-bike's wiring supports it, the blue wire from the headlight is typically for the horn. A momentary horn button switch may be required for activation if not integrated into your e-bike's controls.

# How to choose a headlight assembly

Better Fit, Safer



Image: Comparison of low light and high beam effects.

## 6. MAINTENANCE

To ensure optimal performance and extend the lifespan of your NULKOMMA Ebike Headlight, follow these maintenance guidelines:

- **Cleaning:** Wipe the headlight lens and body with a soft, damp cloth to remove dirt and debris. Avoid using abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect the 3-pin connector and all wiring for secure connections and any signs of corrosion or damage.
- **Mounting Security:** Ensure the mounting brackets and screws remain tight. Re-tighten if necessary to prevent movement during rides.
- **Water Resistance:** The headlight is waterproof (IPX4 rated), meaning it is resistant to splashing water from any direction. However, avoid submerging the light in water for extended periods.



Image: Ebike Headlight demonstrating water resistance.

## 7. TROUBLESHOOTING

If you encounter issues with your NULKOMMA Ebike Headlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Headlight does not turn on	Loose or incorrect wiring connection; No power from e-bike controller; Faulty light switch.	Check all 3-pin connections for security. Ensure the e-bike's power is on and supplying power to the light circuit. Test the light switch if applicable.
Horn does not work or is reversed	Incorrect wiring for horn; Adapter cable not used or incorrectly installed.	Verify the blue wire is correctly connected for the horn function. If provided, use the adapter cable as instructed in Section 4.
Light is dim or flickers	Insufficient power supply; Loose connection; Internal component issue.	Ensure stable power from the e-bike. Check all connections. If the problem persists, contact customer service.
Headlight becomes loose during riding	Mounting screws are not tight enough; Incorrect bracket installation.	Re-tighten all mounting screws. Ensure brackets are installed correctly and rubber gaskets are in place.

## 8. SPECIFICATIONS

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Detailed technical specifications for the NULKOMMA Ebike Headlight:

- **Brand:** NULKOMMA
- **Model Name:** Ebike light
- **Color:** Black
- **Material:** Plastic
- **Power Source:** Battery Powered (E-bike system)
- **Voltage Compatibility:** 36V, 48V, 52V
- **Brightness:** 600 Lumens
- **Water Resistance Level:** Waterproof (IPX4)
- **Item Weight:** 612 Grams
- **Mounting Type:** Front Fork Mount
- **Product Dimensions:** 5.71"L x 4.72"W x 5.71"H (145mm L x 124mm W x 145mm H)
- **Number of Settings:** 1 (On/Off)
- **Connector Type:** 3-Pin



Image: Product dimensions diagram.

## 9. WARRANTY AND SUPPORT

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Your NULKOMMA Ebike Headlight comes with a warranty to ensure your satisfaction.

- **Warranty:** This product includes a one-year warranty from the date of purchase.
- **Customer Service:** If you are not satisfied with your product or encounter any issues, please contact

NULKOMMA customer service directly. We are committed to replying within 12 hours and will make our greatest efforts to help you solve any problems.