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› Motorcycle 12V Reflector Light User Manual

malemollygebide Mortor24LED

Motorcycle 12V Reflector Light User Manual

Model: Mortor24LED

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your malemollygebide Motorcycle 12V Reflector Light. Designed for universal fit, this LED light enhances visibility and safety for various vehicles including motorcycles, scooters, ATVs, mopeds, bicycles, and tricycles. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

- Always disconnect power before installation or maintenance.
- Ensure proper wiring connections to prevent short circuits or damage to the light or vehicle's electrical system.
- Mount the light securely to prevent detachment during vehicle operation.
- Do not modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Consult a qualified technician if you are unsure about any installation steps.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 * Motorcycle Tail Brake Light



Figure 1: Contents of the package, showing the front and rear view of the reflector light.

SPECIFICATIONS

Feature	Detail
Brand	malemollygebide
Model Number	Mortor24LED
Light Type	LED Reflector Light
LED Quantity	24pcs SMD LEDs
Color Temperature	35000K

Feature	Detail
Reflection Distance	300-500 Meters / 984-1640 ft
Rated Voltage	12V
Working Voltage	12-15V
Material	Premium Plastic
Dimensions (L x W x H)	89 x 35 x 9.5 mm / 3.5 x 1.37 x 0.37 inches
Features	Waterproof, Weatherproof, Low Power Consumption, Long Service Life
Functions	Tail Light, Brake Light, Turn Signal Light



Figure 2: Product dimensions for installation planning.

1. Mounting the Light

1. Choose a suitable flat surface on your vehicle (motorcycle, scooter, ATV, moped, bicycle, or tricycle) for mounting. The light is designed for rear placement.
2. Ensure the chosen location allows for clear visibility of the light from the rear.
3. The light features a bolt for secure attachment. Drill a hole of appropriate size at the desired mounting point.
4. Insert the bolt through the drilled hole and secure it with the provided nut from the other side. Tighten firmly but do not overtighten to avoid damaging the light or mounting surface.

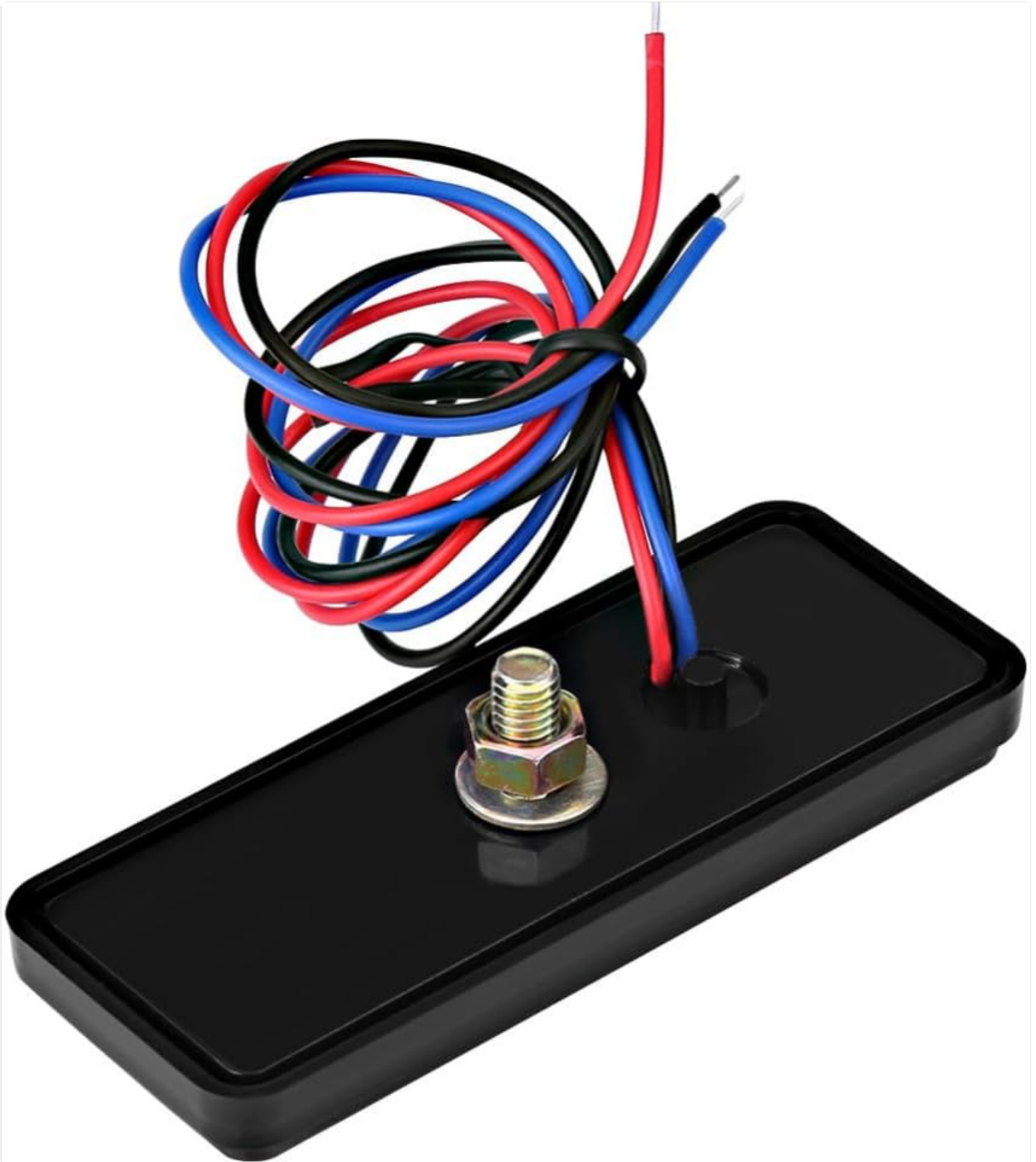


Figure 3: Rear view of the light, illustrating the mounting bolt and wire connections.

2. Wiring Connections

The light has three wires for multi-functionality:

- **Black Wire:** Connect to the **Negative Pole** (Ground) of your vehicle's electrical system.
- **Blue Wire:** Connect to the **Positive Pole** for *weak light* (e.g., running/tail light function).
- **Red Wire:** Connect to the **Positive Pole** for *strong light* (e.g., brake light or turn signal function).

Ensure all connections are secure and insulated to prevent short circuits and water ingress. Test the light functions before final assembly.



Figure 4: Wiring diagram and application examples on various vehicles.

OPERATING INSTRUCTIONS

Once properly installed and wired, the reflector light will operate based on the electrical signals from your vehicle:

- When the vehicle's running lights are activated, the light will illuminate with *weak intensity* (via the blue wire connection).

- When the brake lever/pedal is pressed or the turn signal is activated, the light will illuminate with *strong intensity* (via the red wire connection), providing enhanced visibility for braking or signaling turns.

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Video 1: Product demonstration showing the light's various functions and illumination levels. This video is 30 seconds long and provided by the seller.



Figure 5: The light is available in various colors, each providing distinct visibility characteristics.

MAINTENANCE

- Regularly inspect the light for any physical damage or loose connections.

- Clean the surface of the light with a soft, damp cloth to remove dirt and debris, ensuring maximum light output and reflection. Do not use abrasive cleaners.
- The LED components are designed for long life and do not require replacement under normal operating conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate.	No power, incorrect wiring, loose connection, or damaged light.	Check power source. Verify all wire connections (Black to Negative, Blue/Red to Positive). Ensure connections are secure. Inspect light for visible damage.
Light is dim or flickers.	Insufficient power, poor connection, or voltage fluctuation.	Ensure stable 12V-15V power supply. Check for corrosion or loose wiring.
Only one function works (e.g., only tail light, no brake).	Incorrect wiring for specific function.	Re-check Blue (weak light) and Red (strong light) wire connections to ensure they are connected to the correct vehicle circuits.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact the manufacturer, malemollygebide, through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.