

Grote 47982

Grote 47982 MicroNova LED Clearance Marker Light User Manual

PRODUCT OVERVIEW

The Grote 47982 MicroNova LED Clearance Marker Light is a compact, durable, and waterproof LED light designed for universal automotive applications. It functions as both a clearance and marker light, enhancing vehicle visibility and safety.

Key features include:

- LED technology for long-lasting performance and energy efficiency.
- Waterproof design ensuring reliable operation in various weather conditions.
- Compact size with a clear lens and chrome bezel for versatile mounting options and aesthetic integration.

SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in electrical shock, fire, or serious injury.

- Always disconnect the vehicle's battery before performing any electrical work to prevent accidental short circuits or electrical hazards.
- Ensure proper wiring connections are made according to vehicle specifications and local electrical codes to prevent short circuits and potential damage.
- Mount the light securely to the vehicle to avoid detachment during operation, which could cause a hazard.
- Do not modify the light or its components. Unauthorized modifications can void the warranty and create safety risks.
- Consult a qualified automotive technician if you are unsure about any installation steps or electrical connections.

PACKAGE CONTENTS

Verify that all items are present and undamaged before beginning installation:

- Grote 47982 MicroNova LED Clearance Marker Light (1 unit)
- Mounting hardware (if included, contents may vary by package)

INSTALLATION INSTRUCTIONS

This light is designed for universal fit on various vehicle types, including cars. Its waterproof construction ensures durability and performance in diverse environments.

1. **Choose Mounting Location:** Select a flat, secure surface on your vehicle for mounting. Ensure the chosen location complies with all applicable local and federal regulations for clearance and marker lights.
2. **Prepare Mounting Surface:** Clean the mounting area thoroughly to ensure proper adhesion and a secure fit. If drilling is required for mounting screws, mark the drill points carefully and drill pilot holes appropriate for the hardware.
3. **Mount the Light:** Secure the light using appropriate screws or fasteners. Ensure a tight fit to prevent vibration and moisture ingress, which could compromise the light's performance and lifespan.
4. **Wiring Connections:**

The light typically features two wires for electrical connection:

- **Red Wire:** Connect to the positive (+) power source, typically the vehicle's clearance light circuit.
- **White Wire:** Connect to the negative (-) ground source, such as the vehicle chassis or a dedicated ground wire.

Ensure all connections are secure, crimped, and insulated with heat shrink tubing or electrical tape to prevent short circuits, corrosion, and water damage.



Image: Rear view of the Grote 47982 MicroNova LED Clearance Marker Light, illustrating the red and white wiring for power and ground connections.

5. **Test Functionality:** Reconnect the vehicle battery and activate the appropriate lighting circuit to test the light. Ensure it illuminates correctly and consistently.



OPERATING INSTRUCTIONS

The Grote 47982 MicroNova LED Clearance Marker Light operates automatically when connected to the appropriate vehicle lighting circuit. When the vehicle's clearance or marker lights are activated, the LED light will illuminate.

- Ensure the vehicle's main lighting system is functioning correctly for the marker light to operate.
- Regularly check the light for proper illumination during vehicle inspections to ensure continued visibility and compliance.

MAINTENANCE

The Grote 47982 LED light requires minimal maintenance due to its durable design and long-lasting LED technology.

- **Cleaning:** Periodically clean the lens with a soft cloth and a mild soap solution to maintain optimal light output. Avoid using abrasive cleaners or solvents, which can damage the acrylic lens.
- **Inspection:** Regularly inspect the light, its housing, and wiring for any signs of physical damage, corrosion, or loose connections. Address any issues promptly to prevent further damage.
- **Waterproof Seal:** Ensure the waterproof seal around the light remains intact, especially after any impact or prolonged exposure to harsh environmental conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not illuminate.	No power supply, faulty wiring connection, blown vehicle fuse, incorrect ground connection.	Check the power supply to the light, inspect all wiring for breaks or loose connections, verify the vehicle's fuse box for a blown fuse, ensure the ground connection is secure and clean.
Light is dim or flickers.	Poor electrical connection, insufficient voltage from the vehicle's electrical system, corrosion on terminals.	Verify all electrical connections are clean, tight, and properly insulated. Check the vehicle's electrical system voltage. Clean any corrosion found on terminals or connectors.
Moisture inside the lens.	Compromised waterproof seal, improper installation allowing water entry.	Inspect the light housing and lens for any cracks or damage to the waterproof seal. Re-seal or replace the light if necessary. Ensure the light was mounted correctly to prevent water intrusion.

SPECIFICATIONS

Feature	Detail
Brand	Grote
Model Number	47982

Feature	Detail
Model Name	MicroNova LED Clearance Marker Light
Light Color	Red
Lens Color	Clear
Special Feature	Waterproof
Lens Material	Acrylic
Dimensions (L x W x H)	8 x 4 x 1 inches
Item Weight	0.8 ounces
Vehicle Service Type	Car (Universal Fit)
UPC	089373132402

WARRANTY AND SUPPORT

For detailed warranty information, technical assistance, or to report any issues with your Grote 47982 MicroNova LED Clearance Marker Light, please contact Grote customer service directly. Contact details can typically be found on the official Grote website or included with the product packaging.

Note: Please retain your purchase receipt as proof of purchase for any warranty claims.

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question