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Grote 47084

Grote 47084 SuperNova Green Clearance and Marker LED Lamp User Manual

Model: 47084 | Brand: Grote

Introduction

This manual provides essential information for the installation, operation, and maintenance of your Grote 47084 SuperNova Green Clearance and Marker LED Lamp. Please read these instructions carefully before use to ensure proper function and longevity of the product.

Product Overview and Features

The Grote 47084 SuperNova is a high-quality green LED lamp designed for clearance and marker applications. It features advanced construction for durability and reliable performance, meeting FMVSS P2 standards.

Key Features:

- **Material:** Constructed from durable Polycarbonate.
- **Durability:** "Bullet-Proof" potted design for total circuit board protection.
- **Sealing:** Hermetic lens-to-housing seal prevents moisture ingress.
- **Connections:** Tin-plated, solid brass terminals sealed to housing to eliminate leak paths and corrosion.
- **Compatibility:** Uses the same UBS Double Seal pigtail as incandescent lamps for easy "Plug-and-Go" retrofit.



Image: The Grote 47084 SuperNova Green Clearance and Marker LED Lamp. This image shows the rectangular green polycarbonate housing of the LED lamp.

Specifications

Attribute	Value
Brand	Grote
Model Number	47084
Light Source Type	LED
Color	Green
Voltage	12 Volts
Current Draw	0.06 AMP (at 12V)
Material	Polycarbonate
Item Weight	0.96 ounces
Pigtail Compatibility	66851, 66850, 67001 (UBS Double Seal)
Bracket Compatibility	43370, 43970, 43980

Setup and Installation

Proper installation is crucial for the performance and safety of your LED lamp. It is recommended that installation be performed by a qualified professional if you are unsure of the process.

Required Tools (Not Included):

- Wire strippers
- Crimping tool (if not using pre-terminated pigtail)
- Mounting hardware (screws, bolts, or compatible bracket)
- Voltmeter (for checking power)

Installation Steps:

1. **Safety First:** Disconnect power from the vehicle's electrical system before beginning installation to prevent electrical shock or short circuits.
2. **Choose Mounting Location:** Select a suitable location for the lamp that provides clear visibility and is compliant with local regulations for clearance and marker lights. Ensure the surface is clean and flat.
3. **Mount the Lamp:** Secure the Grote 47084 lamp using appropriate mounting hardware or a compatible Grote bracket (e.g., 43370, 43970, 43980). Ensure it is firmly attached to prevent vibration damage.
4. **Wire Connections:** The lamp operates on 12 Volts DC. Connect the lamp's pigtail (e.g., 66851, 66850, 67001) to the vehicle's wiring harness. Typically, one wire is for positive (+) power and the other for negative (-) ground. Refer to your vehicle's wiring diagram for specific connections. Ensure all connections are secure and properly insulated to prevent corrosion and short circuits.
5. **Test Functionality:** Once installed and wired, reconnect power to the vehicle. Turn on the appropriate lighting circuit to verify the lamp illuminates correctly.

Operating Instructions

The Grote 47084 LED lamp is designed for simple operation. Once properly installed and wired to your vehicle's electrical system, it will illuminate when the corresponding circuit is activated (e.g., when parking lights or headlights are turned on).

1. **Power On:** Activate the vehicle's lighting system (e.g., turn on parking lights or headlights).
2. **Verification:** Visually confirm that the green LED lamp is illuminated.
3. **Power Off:** Deactivate the vehicle's lighting system to turn off the lamp.

Maintenance

The Grote 47084 LED lamp is designed for low maintenance. However, periodic checks can help ensure its continued performance.

- **Cleaning:** Periodically clean the lamp lens with a soft cloth and mild soap and water to remove dirt, dust, or road grime. Avoid abrasive cleaners or solvents that could damage the polycarbonate material.
- **Connection Check:** Annually inspect the electrical connections for corrosion or looseness. Ensure the pigtail connection remains secure and free from damage.
- **Physical Inspection:** Check the lamp housing and mounting for any signs of physical damage, cracks, or loose mounting hardware.

Troubleshooting

If your Grote 47084 LED lamp is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Lamp does not illuminate.	No power to the lamp. Loose or corroded electrical connection. Faulty wiring. Blown fuse in vehicle circuit.	Check vehicle's lighting circuit for power. Inspect and secure all electrical connections. Verify wiring integrity. Check and replace any blown fuses.

Lamp flickers or is dim.	Poor electrical connection. Insufficient voltage.	Check and secure all electrical connections. Verify vehicle's electrical system is providing stable 12V.
Moisture inside the lamp.	Compromised seal or housing.	While the lamp has a hermetic seal, severe impact or improper installation can compromise it. If moisture persists, the lamp may need replacement.

Warranty and Support

For specific warranty information regarding your Grote 47084 SuperNova Green Clearance and Marker LED Lamp, please refer to the documentation provided with your purchase or visit the official Grote website. For technical support or further assistance, please contact Grote customer service directly.

Grote Contact Information:

Website: www.grote.com

Store Link: Grote Store on Amazon

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