EinParts DUOLIGHT 12V

EinParts DUOLIGHT 12V Daytime Running Lights Instruction Manual

Model: DUOLIGHT 12V

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your EinParts DUOLIGHT 12V Daytime Running Lights. Please read this manual thoroughly before installation and use to ensure proper function and safety.
The EinParts DUOLIGHT model is designed to fit original fog light mounts on popular car models. These LED daytime running lights feature DAYLINE technology, providing uniform light dispersion without visible light spots and a wide light beam.

Safety Information

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Installation should be performed by a qualified professional if you are unsure about any steps.
- Do not modify the product in any way, as this may void the warranty and compromise safety.
- Verify local regulations regarding automotive lighting before installation.

Package Contents

Please check that all components are present and undamaged:

- EinParts DUOLIGHT 12V LED Daytime Running Lights (2 units)
- Wiring Harness
- Mounting Brackets and Hardware
- Instruction Manual (this document)

Setup and Installation

The EinParts DUOLIGHT is designed for direct replacement in vehicles equipped with original 90mm fog light mounts. Ensure your vehicle has compatible mounts before proceeding.

Tools Required:

- Screwdriver set
- Wire strippers/crimpers
- Multimeter (optional, for testing connections)
- Protective eyewear and gloves

Installation Steps:

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Existing Fog Lights:** Carefully remove the original fog lights from their mounts. This usually involves unscrewing them from the bumper or fender liner.
3. **Mount DUOLIGHT Units:** Install the EinParts DUOLIGHT units into the existing fog light mounts. Secure them using the provided mounting hardware. Ensure they are firmly in place.
4. **Wiring Connections:**
    - Connect the wiring harness to the DUOLIGHT units.
    - Connect the positive (+) wire from the DUOLIGHT harness to a switched 12V power source (e.g., ignition-on power).
    - Connect the negative (-) wire from the DUOLIGHT harness to a suitable ground point on the vehicle chassis.
    - If applicable, connect the control wire for the fog light function to the vehicle's existing fog light wiring.
    - Ensure all connections are tight and protected from moisture and heat.
5. **Test Functionality:** Reconnect the vehicle's battery. Turn on the ignition and test the daytime running lights and fog lights to ensure they function correctly.
6. **Final Assembly:** Reinstall any removed bumper or fender liner components.



Figure 1: Front view of the EinParts DUOLIGHT 12V LED light. Point 1 indicates the main light unit, and point 2 indicates the electrical connector.



Figure 2: Side view of the DUOLIGHT unit showing key dimensions: 75mm (depth of light unit), 35mm (mounting bracket depth), and 106mm (total depth including bracket).



Figure 3: Front view of the DUOLIGHT unit indicating a 90mm diameter, suitable for standard fog light openings.

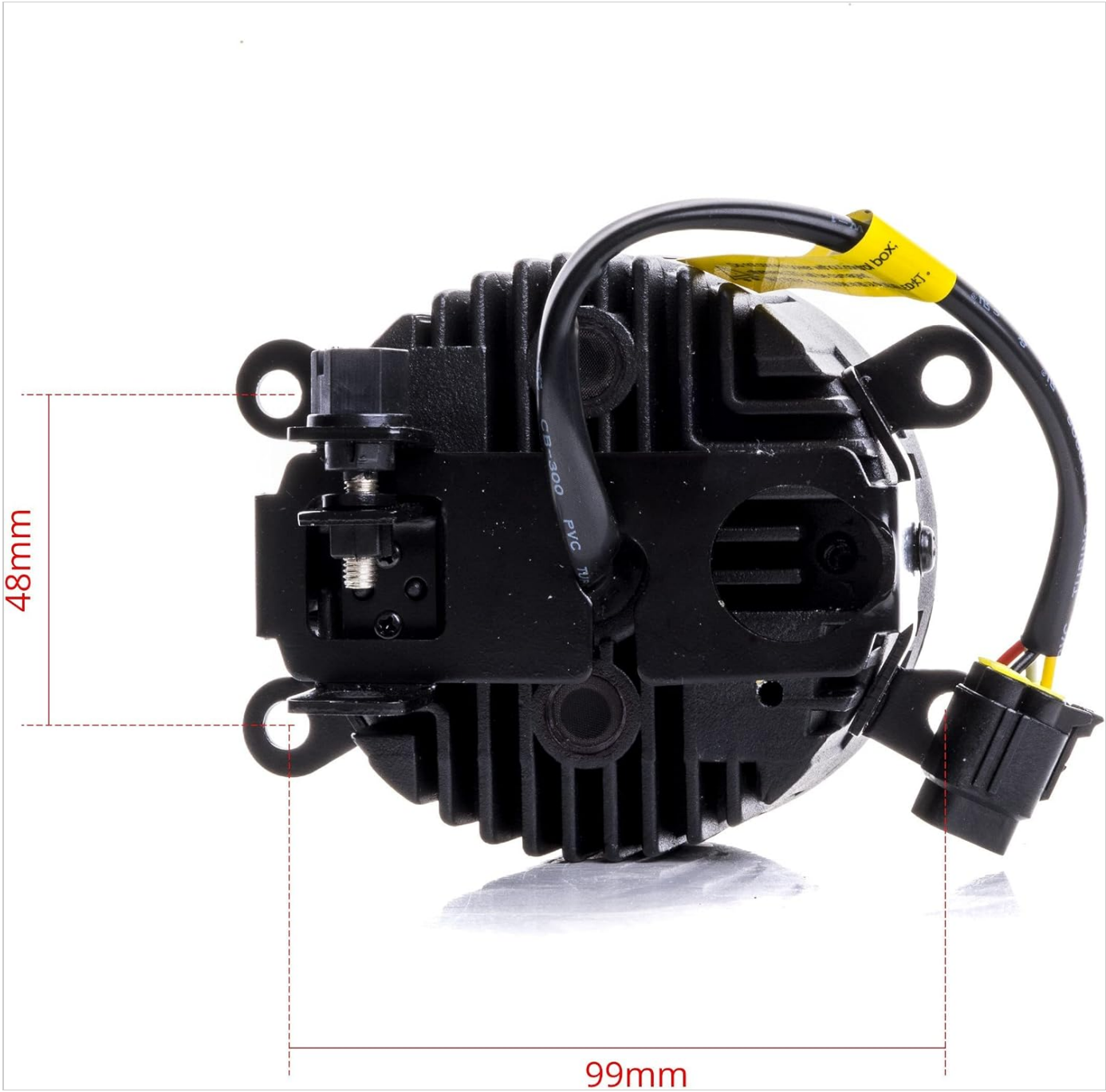


Figure 4: Rear view of the DUOLIGHT unit showing dimensions: 48mm (height of mounting bracket) and 99mm (width of the rear housing).

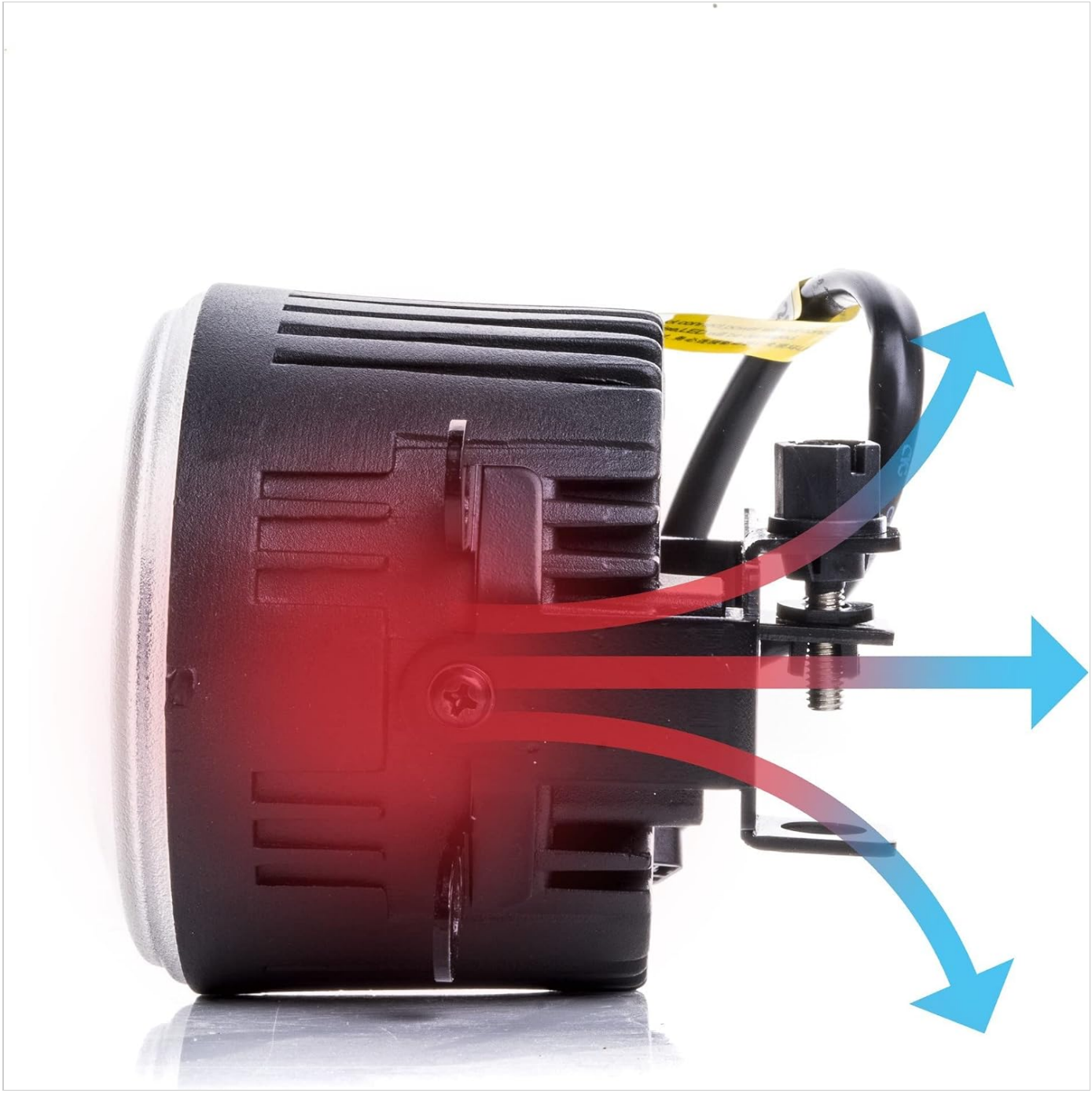


Figure 5: Diagram illustrating the heat dissipation mechanism from the rear of the DUOLIGHT unit, indicating airflow for cooling.

Operating Instructions

The EinParts DUOLIGHT 12V lights operate automatically based on your vehicle's electrical system and wiring configuration.

- **Daytime Running Lights (DRL):** The DRL function typically activates automatically when the vehicle's ignition is turned on. These lights are designed to improve vehicle visibility during daylight hours.
- **Fog Lights:** The fog light function is activated via your vehicle's standard fog light switch. When activated, the fog lights provide additional illumination in adverse weather conditions such as fog, heavy rain, or snow.
- **Automatic Switching:** Depending on the wiring, the DRLs may dim or turn off automatically when the main headlights are activated, as per automotive lighting regulations.

Maintenance

The EinParts DUOLIGHT 12V LED lights are designed for minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Periodically clean the light lenses with a soft cloth and mild automotive cleaning solution. Avoid abrasive cleaners or harsh chemicals that could damage the lens.
- **Inspection:** Regularly inspect the wiring and connections for any signs of wear, corrosion, or damage. Ensure all mounting hardware remains secure.
- **No User-Serviceable Parts:** The LED units are sealed and do not contain any user-serviceable parts. Do not attempt to open or repair the light units.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power supply. Loose or incorrect wiring connection. Blown fuse. Faulty unit.	Check power source with a multimeter. Verify all wiring connections are secure and correct. Check and replace any blown fuses in the vehicle's fuse box. Contact customer support if all other steps fail.
One light is not working.	Loose connection to the specific unit. Faulty unit.	Check the wiring connection for the non-functioning light. Swap units (if possible) to determine if the unit or wiring is at fault. Contact support if the unit is faulty.
Lights flicker or dim.	Unstable power supply. Loose ground connection. Voltage fluctuations.	Ensure a stable 12V power source. Check and secure the ground connection. Consult an automotive electrician if voltage issues persist.
Interference with FM radio.	Improper grounding or shielding. Product defect (unlikely for this model).	Ensure proper grounding. Verify wiring is not running parallel to antenna cables. This model is designed to prevent FM interference; if it occurs, contact support.

Specifications

Model	DUOLIGHT 12V
Brand	EinParts
Manufacturer	EinParts Automotive
Daytime Running Light Power	2 x 9.5 W
Daytime Running Light Brightness	900 lm
Fog Light Power	2 x 10 W
Fog Light Brightness	800 lm

Operating Voltage	12 Volts
Bulb Type	LED
Color Temperature	3000 Kelvin
Diameter	90 mm
Approvals	E4 R19 R87
Item Weight	1.4 Kilograms
Package Dimensions	27.6 x 17 x 10.2 cm

Warranty Information

EinParts products are manufactured to high-quality standards. This product comes with a standard manufacturer's warranty against defects in materials and workmanship under normal use. The warranty period typically starts from the date of purchase.
Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, modifications, or normal wear and tear.
For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact EinParts customer support.

Customer Support

If you encounter any issues or have questions regarding your EinParts DUOLIGHT 12V Daytime Running Lights that are not covered in this manual, please contact our customer support team.
Contact Information:

- **Website:** www.einparts.com (*Note: This is a placeholder URL, please refer to your product packaging for official contact details.*)
- **Email:** support@einparts.com (*Note: This is a placeholder email, please refer to your product packaging for official contact details.*)

When contacting support, please have your product model number (DUOLIGHT 12V) and proof of purchase ready.

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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

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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