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ePathChina EPC_CLT_00Q

ePathChina 9W Eagle Eye LED Lights Instruction Manual

Model: EPC_CLT_00Q

INTRODUCTION

This manual provides essential information for the safe and effective use of your ePathChina 9W Eagle Eye LED Lights. These lights are designed for various automotive applications, including daytime running lights (DRL), fog lights, reversing lights, backup lights, and parking signals. Please read this manual thoroughly before installation and operation.

PRODUCT OVERVIEW

The ePathChina 9W Eagle Eye LED Lights feature high-power LED chips housed within a durable aluminum frame. Each light is equipped with a projector lens for wide-angle illumination and is designed to be 100% waterproof for reliable performance in various weather conditions.



Image: A pair of ePathChina 9W Eagle Eye LED Lights, highlighting the projector lens and the 9W LED chip within each unit. The lights are connected by a black wire.



Image: A detailed view of the threaded base of an ePathChina LED light, showing the waterproof sealing around the wire entry point, indicated by a red box.

SPECIFICATIONS

Brand	ePathChina
Model Number	EPC_CLT_00Q
Light Source Type	LED
Wattage	9 watts per light
Voltage	12 Volts
Light Color	White
Lens Color	Clear
Lens Material	Glass
Special Feature	Waterproof
Vehicle Service Type	Car
Dimensions (approx.)	18mm diameter (head), 31mm total length (excluding wire), 9mm thread length



Image: A technical diagram illustrating the dimensions of a single ePathChina 9W Eagle Eye LED light, including its 18mm head diameter, 31mm overall length, and 9mm thread length.

SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure proper wiring connections (positive to positive, negative to negative) to avoid damage to the lights or vehicle's electrical system.
- Do not exceed the specified voltage (12V).
- Mount the lights securely to prevent them from becoming loose during vehicle operation.
- Avoid direct eye exposure to the LED light when illuminated, as it can be very bright.
- If you are unsure about the installation process, consult a qualified automotive technician.

SETUP AND INSTALLATION

1. **Choose Mounting Location:** Select a suitable flat surface on your vehicle for mounting. Ensure there is enough space behind the mounting surface for the threaded shaft and securing nut.
2. **Drill Mounting Hole:** Using an appropriate drill bit (slightly larger than the 9mm thread diameter), drill a hole at the chosen location.
3. **Insert Light:** Pass the threaded shaft of the LED light through the drilled hole.
4. **Secure Light:** Place the washer and then thread the securing nut onto the shaft from the back of the mounting surface. Tighten the nut firmly to secure the light in place.
5. **Wiring:**
 - Identify the positive (+) and negative (-) wires from the LED light. Typically, the red wire is positive and the black wire is negative.
 - Connect the positive wire of the LED light to a switched 12V positive power source in your vehicle (e.g., DRL circuit, fog light circuit, reverse light circuit).
 - Connect the negative wire of the LED light to a reliable ground point on the vehicle chassis.
 - Ensure all connections are secure and insulated to prevent short circuits.
6. **Test Functionality:** Reconnect the vehicle battery and test the lights to ensure they function correctly.

Note: For multiple lights, repeat the drilling and mounting steps. Connect all positive wires together and all negative wires together, then connect to the appropriate vehicle circuits. Consider using a relay for multiple lights to protect your vehicle's electrical system.

OPERATING INSTRUCTIONS

Once properly installed and wired, the ePathChina 9W Eagle Eye LED Lights will operate in conjunction with the circuit they are connected to. For example:

- If wired as Daytime Running Lights (DRL), they will illuminate when the vehicle's ignition is on.
- If wired as Fog Lights, they will activate with your vehicle's fog light switch.
- If wired as Reversing/Backup Lights, they will illuminate when the vehicle is put into reverse gear.
- If wired as Parking Signal Lights, they will activate with your vehicle's parking light circuit.



Image: An ePathChina Eagle Eye LED light illuminated, projecting a bright, focused white light beam onto a dark surface.

MAINTENANCE

- **Cleaning:** Periodically clean the lens of the lights with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners that could scratch the lens.
- **Connection Check:** Occasionally inspect the wiring connections to ensure they remain secure and free from corrosion.
- **Physical Inspection:** Check the lights for any physical damage or loose mounting over time, especially after driving on rough terrain.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none"> No power supply. Incorrect wiring (reversed polarity). Loose or corroded connections. Blown fuse in the vehicle's circuit. Damaged LED unit. 	<ul style="list-style-type: none"> Check the 12V power source with a multimeter. Verify positive and negative connections. Inspect and secure all wiring connections. Check and replace any blown fuses. If all else fails, the LED unit may be faulty and require replacement.
Lights flicker or are dim.	<ul style="list-style-type: none"> Insufficient power supply or voltage drop. Loose or poor electrical connection. Faulty LED unit. 	<ul style="list-style-type: none"> Ensure a stable 12V power supply. Check wiring gauge for adequacy. Inspect and secure all wiring connections. Replace the affected LED unit if it is faulty.
Water inside the lens.	<ul style="list-style-type: none"> Compromised waterproof seal. Improper installation allowing water ingress. 	<ul style="list-style-type: none"> Inspect the light for cracks or damage to the seal. Ensure the mounting area is properly sealed if necessary. Replace the unit if the seal is compromised.

WARRANTY AND SUPPORT

Specific warranty details for ePathChina products may vary. Please retain your proof of purchase. For any questions, technical assistance, or warranty claims, please contact the seller or retailer from whom you purchased this product directly.

