

FXC Purishion

FXC Purishion 3-LED Amber Strobe Lights Instruction Manual

Model: Purishion | Brand: FXC

1. INTRODUCTION

Thank you for choosing the FXC Purishion 3-LED Amber Strobe Lights. These high-intensity, waterproof emergency beacon flash lights are designed to enhance visibility and safety for a wide range of vehicles. This manual provides essential information for safe installation, operation, and maintenance of your new strobe lights.

2. SAFETY INFORMATION

- Always disconnect power before installation or maintenance.
- Ensure proper wiring to prevent electrical shorts or damage.
- Mount lights securely to avoid detachment during vehicle operation.
- Verify local regulations regarding the use of strobe lights on vehicles.
- Do not stare directly into the lights when operating, as this may cause eye strain.

3. PACKAGE CONTENTS

- 2 x FXC Purishion 3-LED Amber Strobe Lights
- 2 x Screw Bags (containing mounting screws and nuts)

Note: Additional wiring or tools may be required for installation, depending on your vehicle.

4. SPECIFICATIONS

Feature	Specification
LED Quantity	3 high-intensity LED chips per light
Lighting Color	Amber

Feature	Specification
Input Voltage	DC 12V-24V
Power	3W per light
Waterproof Level	IP65
Dimensions (L x W x H)	4.33 x 1.57 x 1.18 inches (110 x 40 x 30 mm)
Weight	5.6 ounces (158.7 grams)
Power Cable Length	31.5 inches (80 cm)
Housing Material	Aluminum Alloy
Lens Material	ABS
Life Span	Over 80,000 hours

5. INSTALLATION

The FXC Purishion 3-LED Amber Strobe Lights are designed for surface mounting on various vehicle types. Follow these steps for proper installation:

- Choose Mounting Location:** Select a flat surface on your vehicle (e.g., grille, bumper, or other suitable area) that allows for clear visibility of the lights. Ensure the location is free from obstructions and can accommodate the light's dimensions.
- Mark Drilling Points:** Use the light's mounting holes as a template to mark the drilling points on the chosen surface.
- Drill Holes:** Carefully drill pilot holes at the marked points. Ensure the drill bit size is appropriate for the provided screws to prevent damage to the mounting surface or the light.
- Secure the Lights:** Place the lights over the drilled holes and secure them using the provided screws and gaskets. Tighten the screws firmly but do not overtighten to avoid cracking the housing.
- Route Wiring:** Carefully route the power cables from the lights to your vehicle's power source, ensuring they are protected from heat, sharp edges, and moving parts.



Figure 5.1: Wiring Diagram. This image illustrates the wiring connections for the FXC 3-LED Strobe Lights. The black wire connects to the negative pole, the red wire connects to the positive pole, and the white wire is used to change the flashing mode by momentarily touching it to the positive pole.

Wiring Diagram:

- **Black Wire:** Connect to the Negative Pole (Ground).
- **Red Wire:** Connect to the Positive Pole (DC 12V-24V).
- **White Wire:** Momentarily touch to the Positive Pole (Red Wire) to change the flashing mode.



Figure 5.2: Example Installation. This image shows the FXC 3-LED Strobe Lights installed on the grille of a pickup truck, demonstrating a typical application.

6. OPERATING INSTRUCTIONS

These strobe lights feature 12 selectable flashing patterns and a memory function that recalls the last used pattern.

1. **Power On/Off:** Once wired correctly, apply power to the red wire to turn the lights on. Remove power to turn them off.
2. **Change Flashing Mode:** To cycle through the 12 available flashing patterns, momentarily touch the white wire to the red (positive) wire. Each brief touch will advance to the next pattern.
3. **Memory Function:** The lights are equipped with a memory function that saves the last selected flashing pattern. When the lights are powered off and then on again, they will resume the last chosen pattern.

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Video 6.1: Amber Strobe Light Patterns. This video demonstrates various flashing patterns available for amber strobe lights, similar to the FXC Purishion model. It shows how different patterns can be selected.

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Video 6.2: FXC 3-LED Strobe Lights in Action. This video showcases the FXC 3-LED Strobe Lights demonstrating their brightness and various flashing modes, providing a visual representation of their operation.

7. MAINTENANCE

These LED strobe lights are designed for durability and minimal maintenance. To ensure optimal performance and longevity:

- Regularly inspect the lights for any physical damage, loose connections, or corrosion.
- Clean the lens with a soft, damp cloth to remove dirt or debris that may obstruct light output. Avoid abrasive cleaners.
- Ensure all wiring remains securely fastened and protected from environmental elements.

8. TROUBLESHOOTING

- **Lights Not Turning On:**
 - Check the power connection to ensure the red wire is connected to a 12V-24V DC positive source and the black wire is connected to ground.
 - Verify that the power source is active and providing the correct voltage.
 - Inspect for any blown fuses in the vehicle's electrical system or in the light's wiring.
- **Lights Not Changing Patterns:**
 - Ensure the white wire is making proper momentary contact with the positive (red) wire when attempting to change modes.
 - Check for any damage to the white wire or its insulation.
- **Intermittent Operation:**
 - Inspect all wiring connections for looseness or corrosion.
 - Ensure the lights are receiving stable power from the vehicle's electrical system.

9. WARRANTY AND SUPPORT

The FXC Purishion 3-LED Amber Strobe Lights come with a **2-year warranty**. If you encounter any issues or have questions regarding the product, please contact our customer support team via email. We are committed to providing assistance and ensuring your satisfaction.