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Part Synergy 2X2CFPR

Part Synergy Flood Beam LED Lights 3" 2x20W Cube User Manual

Model: 2X2CFPR

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Part Synergy Flood Beam LED Lights. Please read this manual thoroughly before attempting installation or use to ensure proper function and safety.

Product Overview

The Part Synergy Flood Beam LED Lights are designed to provide powerful and wide illumination for various applications. Each unit features four high-intensity LEDs housed in a durable black casing.

Figure 1: Front view of the Part Synergy Flood Beam LED Light, highlighting the four high-intensity LED bulbs designed for broad illumination.

Figure 2: Angled view of the Part Synergy Flood Beam LED Light, showcasing the robust black housing and integrated heat sink fins for efficient thermal management.

Setup and Installation

These LED lights are designed for universal fitment. Proper installation is crucial for performance and safety.

1. Mounting

- Identify a suitable mounting location on your vehicle or desired application. Ensure the location provides clear light projection and a secure, stable attachment point.
- Use appropriate mounting hardware (not included) to securely fasten the light housing. The mounting surface must be strong enough to support the light's weight (approximately 4.97 pounds per kit).
- Ensure the lights are aimed correctly to achieve the desired flood beam pattern.

2. Wiring

- Connect the positive (+) wire from the LED light to a fused 12V power source. It is highly recommended to use a relay and an appropriate switch (not included) for circuit protection and control.
- Connect the negative (-) wire to a suitable ground point on your vehicle chassis. Ensure the ground connection is clean and secure.
- Verify all connections are secure and properly insulated to prevent short circuits, corrosion, and water ingress.

Operating Instructions

Once properly installed and wired, operate your LED lights as follows:

- Activate the LED lights using the connected switch. The lights will emit a bright white flood beam with a 90-degree angle.
- These lights are primarily intended for off-road or auxiliary use. Always consult local regulations regarding the use of auxiliary lighting on public roads, as they may not be street legal in all areas.

Maintenance

Regular maintenance will help ensure the longevity and optimal performance of your LED lights.

- **Inspection:** Periodically inspect the lights for any physical damage, such as cracks in the lens or housing. Check for loose mounting hardware, wiring connections, and signs of corrosion.
- **Cleaning:** Clean the lens and housing regularly with a soft cloth and a mild soap solution. Avoid using abrasive cleaners or harsh chemicals, as these can damage the lens or finish.
- **Tightness:** Ensure all mounting hardware remains tight to prevent vibration, which can lead to premature wear or damage.

Troubleshooting

If you encounter issues with your LED lights, refer to the following common problems and solutions:

- **Lights Not Turning On:**
  - Check power connections: Ensure positive and negative wires are correctly connected and secure.
  - Check fuse: Verify that the fuse in the power circuit is not blown. Replace if necessary.
  - Check switch: Test the switch for proper functionality.
  - Check ground: Ensure a good, clean ground connection to the vehicle chassis.
- **Dim or Flickering Lights:**
  - Inspect all wiring for loose connections, corrosion, or damaged insulation.
  - Verify adequate voltage supply to the lights. Low voltage can cause dimming.
- **Moisture Inside Lens:**
  - While designed for durability and water resistance, extreme temperature changes or prolonged submersion can sometimes lead to minor condensation. If persistent or excessive, inspect the seals for damage.

Specifications

The following specifications apply to the Part Synergy Flood Beam LED Lights (Model 2X2CFPR):

- **Model:** 2X2CFPR
- **Dimensions (L x W x H):** 9.68 x 7.67 x 4.72 inches
- **Weight:** 4.97 pounds (per kit)
- **Watts (per kit):** 2x20W
- **LEDs/bulbs quantity:** 4-LED per cube
- **Beam pattern:** Flood beam
- **Bulb type:** LED
- **Beam angle:** 90 degrees
- **Housing color:** Black
- **Light Color:** White
- **UPC:** 850003725659
- **Manufacturer:** TrailFx

Warranty Information

For specific warranty details regarding your Part Synergy Flood Beam LED Lights, please refer to any warranty card included with

your product packaging or visit the official Part Synergy website. General warranty terms typically cover manufacturing defects for a limited period from the date of purchase.

Customer Support

If you have any questions, require technical assistance, or encounter issues not addressed in this manual, please contact Part Synergy customer support. Refer to your purchase documentation or the manufacturer's website for current contact information. When contacting support, please have your product model (2X2CFPR) and purchase date readily available to expedite assistance.

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