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Partsam GTCV-0628186367

Partsam Boat Trailer Guide-On Post Pipe Light Set User Manual

Model: GTCV-0628186367

1. Introduction

Thank you for choosing the Partsam Boat Trailer Guide-On Post Pipe Light Set. This manual provides essential information for the proper installation, operation, and maintenance of your new trailer lights. Please read these instructions carefully before installation and retain this manual for future reference.

This set includes two durable, waterproof LED lights designed to enhance visibility and safety for your boat trailer. They function as tail lights, turn signals, and brake lights, and also provide guide lighting for easier boat loading and unloading, especially in low-light conditions.



Image 1.1: Overview of the Partsam Boat Trailer Guide-On Post Pipe Light Set.

2. Package Contents

Please verify that all items listed below are included in your package:

- 2 x Boat Trailer Post Pipe Guide Lights
- Mounting Hardware (various screws for PVC pipe attachment)
- Wire Splicing Connectors
- Wire Organizing Ties



Image 2.1: All components included in the package.

3. Specifications

Feature	Description
Brand	Partsam
Model Number	GTCV-0628186367

Feature	Description
Light Source Type	LED (SMD Type)
Voltage	12 Volts
Wattage	1.2 Watts
Waterproof Rating	IP67
Functions	Tail Light, Turn Signal, Brake Light, Guide Light
Lens Color	Red (Tail Light), Amber (Post Light)
Compatibility	Standard 2" PVC (2-3/8" outside diameter) guide-on posts
Material	Polycarbonate Lens



Image 3.1: Detailed product dimensions.

4. Installation Guide

Follow these steps to properly install your guide-on post pipe lights:

1. **Prepare the Post:** Ensure your boat trailer has standard 2-inch PVC guide-on posts (2-3/8" outside diameter) in good condition.
2. **Position the Light:** Slide the light assembly onto the top of the PVC pipe. Ensure the tail light (red LEDs) faces the rear of the trailer and the post light (amber LEDs) faces the front.
3. **Secure the Light:** Use the provided screws (screw 1 or 2, as indicated in the diagram) to firmly attach the light

housing to the PVC pipe. Tighten securely to prevent the light from dislodging during travel.

4. **Route Wiring:** Carefully route the wiring down the PVC pipe and along the trailer frame to connect to your trailer's existing wiring harness. Use wire organizing ties to keep wires neat and secure.

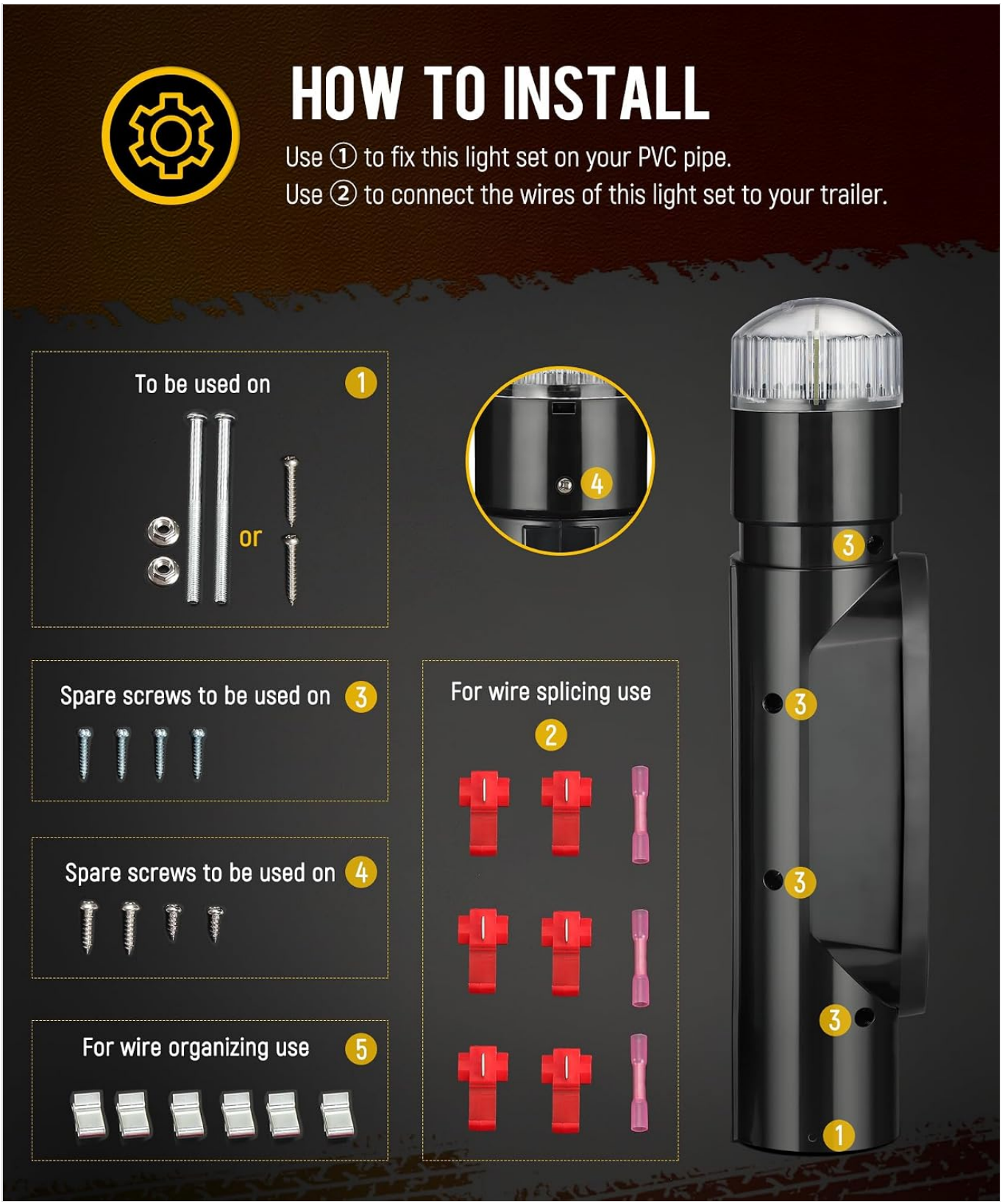


Image 4.1: Step-by-step visual guide for light installation on PVC pipe.

5. Wiring Instructions

Correct wiring is crucial for the proper function of your lights. Refer to the diagrams below and connect the wires as follows:

Tail Light Wiring:

- **White Wire:** Ground (-)
- **Black Wire:** Low Brightness (Running Lights)
- **Red Wire:** High Brightness (Brake/Turn Signal Lights)

Post Light Wiring:

- **White Wire:** Ground (-)
- **Black Wire:** Positive (+)

Use the provided wire splicing connectors to ensure secure and waterproof connections. Test all light functions (running lights, brake lights, turn signals) before operating your trailer.



Image 5.1: Detailed wiring connections for tail lights and post lights.



Image 5.2: Visual representation of wire connections and corresponding light brightness.

▶ **Watch video online**
Partsam Pair Boat Trailer Guide on Post Pipe Light

Video 5.1: Official Partsam video demonstrating the wiring and functionality of the guide-on post pipe lights.

6. Operation

Once properly installed and wired, your Partsam Boat Trailer Guide-On Post Pipe Lights will operate in conjunction with

your vehicle's lighting system:

- **Running Lights:** When your vehicle's headlights are on, the tail lights will illuminate at low brightness, and the amber post lights will turn on, providing continuous visibility.
- **Brake Lights:** When the brake pedal is pressed, the tail lights will illuminate at high brightness.
- **Turn Signals:** When the turn signal is activated, the corresponding tail light will flash at high brightness.

The bright SMD LEDs ensure your trailer is highly visible to other drivers, significantly improving safety during night driving and backing maneuvers. The guide lights also assist in accurately positioning your boat on the trailer, preventing damage.

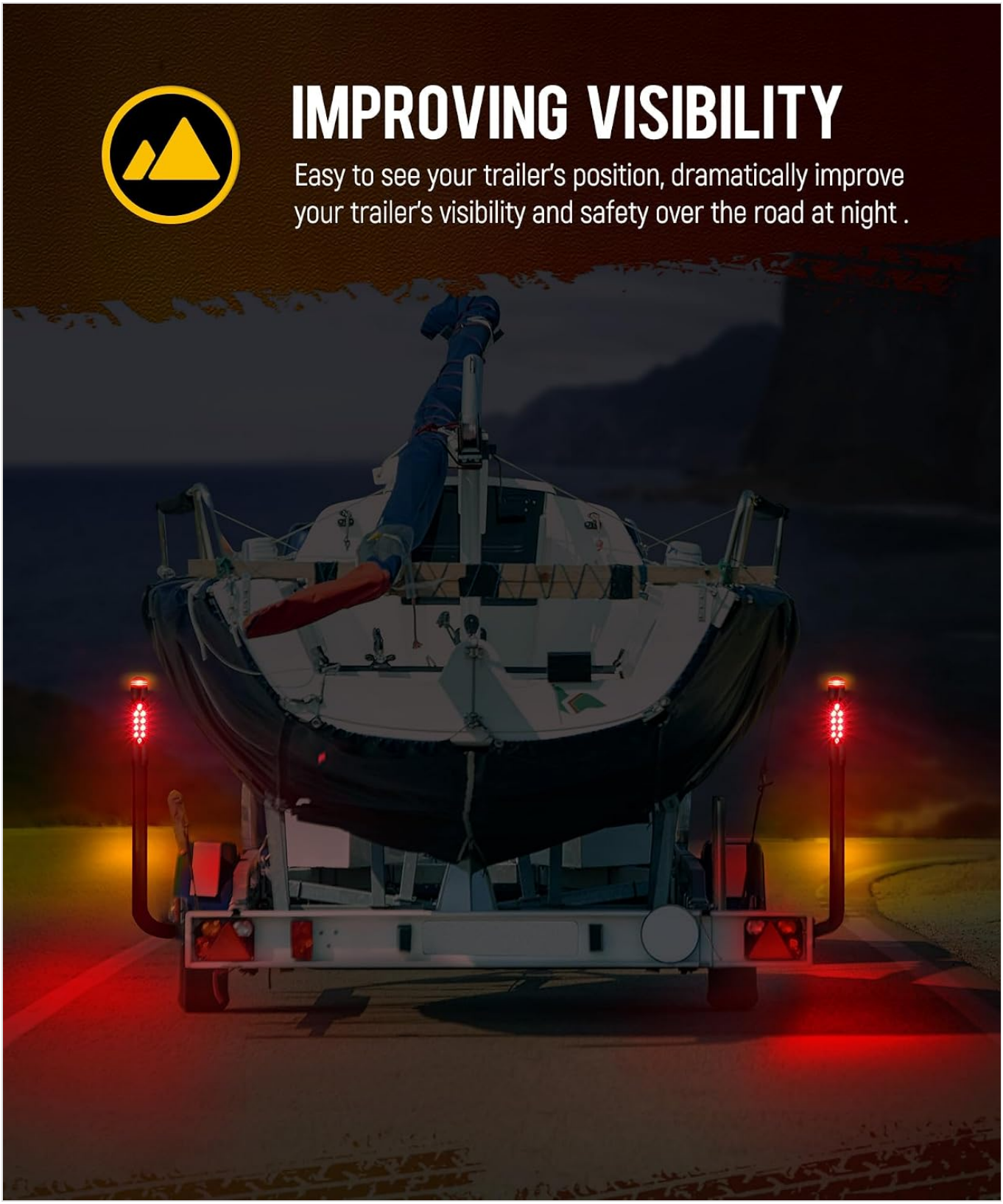


Image 6.1: Trailer visibility enhanced by the guide-on post lights during nighttime operation.

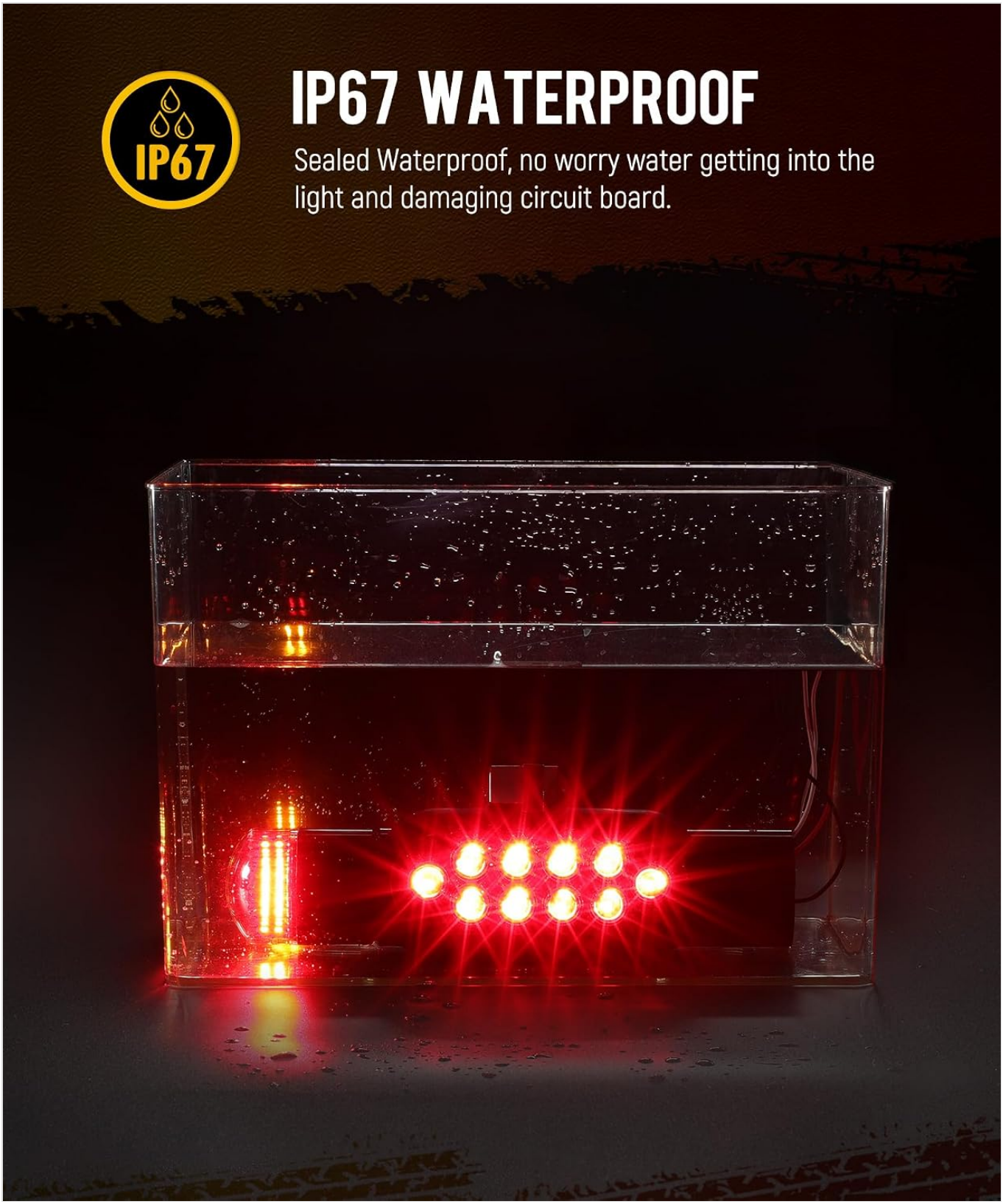


Image 6.2: Illustration of the distinct front (amber) and rear (red) illumination for clear guidance.

7. Maintenance

The Partsam Boat Trailer Guide-On Post Pipe Lights are designed for durability and minimal maintenance. To ensure optimal performance and longevity:

- **Regular Cleaning:** Periodically clean the light lenses with a soft cloth and mild soap and water to remove dirt, salt, and grime that can accumulate and reduce light output. Avoid abrasive cleaners.
- **Inspect Wiring:** Annually inspect all wiring connections for corrosion or damage. Ensure all connections remain

tight and secure.

- **Check Mounting:** Verify that the lights are still securely fastened to the PVC posts. Tighten screws if any looseness is detected.
- **Waterproof Design:** These lights feature an IP67 waterproof rating, meaning they are protected against immersion in water up to 1 meter for 30 minutes. However, avoid prolonged submersion or high-pressure washing directly on the seals.



Image 7.1: The IP67 waterproof design ensures reliable operation in marine environments.

8. Troubleshooting

If you experience issues with your lights, refer to the following troubleshooting guide:

- **Lights Not Working:**
  - Check all wiring connections for proper contact and ensure they are not loose or corroded.
  - Verify that the trailer's main wiring harness is properly connected to the tow vehicle and that the vehicle's lights are functioning.
  - Inspect the vehicle's fuses related to trailer lighting.
  - Ensure the ground wire is securely connected to a clean, unpainted metal surface on the trailer frame.
- **Lights Are Dim or Flickering:**
  - This often indicates a poor ground connection. Clean the ground point and ensure a solid connection.
  - Check for corrosion in the wiring or connectors, which can impede electrical flow.
  - Verify that the vehicle's electrical system is providing adequate voltage (12V).
- **Only One Function Not Working (e.g., Brake Light but No Running Light):**
  - Recheck the specific wire connection for that function (e.g., black wire for low brightness, red wire for high brightness).
  - Ensure the corresponding wire from the trailer harness is providing the correct signal.

If problems persist after troubleshooting, please contact Partsam customer support.

9. Warranty and Support

Partsam stands behind the quality of its products. For warranty information, technical support, or any questions regarding your Partsam Boat Trailer Guide-On Post Pipe Light Set, please refer to the contact information provided with

your purchase or visit the official Partsam website. Please have your model number (GTCV-0628186367) and purchase details ready when contacting support.

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