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› Raycharm LED Interior Light Bar (Model 262-370) Instruction Manual

## Raycharm 262-370

# Raycharm LED Interior Light Bar Instruction Manual

Model: 262-370 | Brand: Raycharm

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Raycharm LED Interior Light Bar, Model 262-370. Please read this manual thoroughly before installation and use to ensure proper function and safety. This product is designed for various vehicle interiors, including Hiace, light vans, trucks, trailers, camping cars, and boats, operating on 12V/24V DC power systems.

## SAFETY INFORMATION

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Observe the following safety precautions to prevent injury or damage to the product:

- This LED light is primarily designed for 12-24VDC mobile lighting applications. If installing for household use, professional installation by a qualified electrician is strongly recommended to ensure compliance with safety standards.
- Always disconnect the power supply before performing any installation, wiring, or maintenance procedures.
- When the light is operating, avoid direct eye exposure to the light beam, as it can be very bright.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.

## PRODUCT SPECIFICATIONS

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<b>Model Number</b>	262-370
<b>Color Temperature</b>	6000K (White Light)
<b>Operating Voltage</b>	10V-32V DC (12V/24V Compatible)
<b>Power Consumption</b>	7.2W (36 pcs 0.2W SMD LED)
<b>Current Draw</b>	500 mA @ 12V, 200 mA @ 24V
<b>Lumen Output</b>	720 LM
<b>Beam Angle</b>	120 degrees (Wide Beam)
<b>Body Material</b>	Aluminum body with Plastic end caps
<b>Lens Material</b>	Polycarbonate
<b>Wire Length</b>	38 cm (Positive: Red / Negative: White)
<b>Wire Gauge</b>	21 AWG
<b>LED Lifespan</b>	50,000 Hours
<b>Operating Temperature</b>	-40 to +50°C
<b>Dimensions (L x W x H)</b>	370mm x 45mm x 16.5mm (14.6" x 1.8" x 0.6")
<b>Weight</b>	0.21 kg (Approx. 454g packaged)
<b>Surface Finish Color</b>	Silver body with Gray end caps
<b>Special Features</b>	Shock resistant, ON/OFF switch integrated



Figure 1: Product Dimensions

## PACKAGE CONTENTS

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Verify that all items are present and undamaged:

- Raycharm LED Interior Light Bar (Model 262-370)
- Mounting Screws (4 pcs)
- Adhesive Mounting Pads (2 pcs)

## INSTALLATION

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Before beginning installation, ensure the power supply is disconnected. Choose a mounting location that is clean, dry, and provides adequate space for the light bar.

### Mounting Options

The light bar offers two primary mounting methods:

#### 1. Option 1: Screw Mounting

Remove the end caps of the light bar to expose the screw holes. Position the light bar in the desired location and mark the screw points. Drill pilot holes if necessary, then secure the light bar using the provided screws.

Reattach the end caps.



Figure 2: Screw Mounting Method

## 2. Option 2: Concealed Fastener Mounting (Adhesive Pads)

Ensure the mounting surface is thoroughly cleaned and dry. Apply the adhesive mounting pads to the back of the light bar or directly to the mounting surface. Press the light bar firmly into place for several seconds to ensure a strong bond. This method provides a clean, screw-free appearance.



Figure 3: Concealed Fastener Mounting Method

## Wiring

The light bar comes with pre-attached wiring. Connect the red wire to the positive (+) terminal of your 12V/24V DC power source and the white wire to the negative (-) terminal. Ensure all connections are secure and properly insulated to prevent short circuits.



Figure 4: Wiring Connections and Switch Detail

## OPERATION

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Once installed and wired correctly, the Raycharm LED Interior Light Bar is operated using the integrated ON/OFF switch located on one end of the unit. Simply toggle the switch to turn the light on or off.



Figure 5: Light Bar in Operation

## MAINTENANCE

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The Raycharm LED Interior Light Bar requires minimal maintenance.

- **Cleaning:** Use a soft, damp cloth to wipe the surface of the light bar. Avoid abrasive cleaners or solvents that could damage the lens or finish.
- **Inspection:** Periodically check the wiring and mounting for any signs of wear, corrosion, or loosening. Ensure all connections remain secure.

## TROUBLESHOOTING

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If the light bar does not function as expected, consider the following:

- **No Light:**
  - Check the power supply: Ensure the power source (e.g., vehicle battery) is providing the correct voltage (10V-32V DC).
  - Verify wiring connections: Confirm that the red wire is connected to positive (+) and the white wire to negative (-), and that all connections are secure.
  - Check the ON/OFF switch: Ensure the switch is in the 'ON' position.
  - Inspect for blown fuses: If connected to a fused circuit, check if the fuse has blown.
- **Dim Light or Flickering:**

- Check for loose connections or corrosion in the wiring.
- Ensure the power source is stable and providing sufficient voltage.

If issues persist after checking these points, please contact customer support.

## WARRANTY AND SUPPORT

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This Raycharm LED Interior Light Bar comes with a **2-year warranty** from the date of purchase, covering defects in materials and workmanship under normal use. This warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

For warranty claims, technical support, or any questions regarding your product, please contact the seller or manufacturer directly through your purchase platform. Please have your model number (262-370) and proof of purchase available.