

Betts 500452

Betts 500452 LED-CLR/MKR RED B-50V Instruction Manual

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Betts 500452 LED-CLR/MKR RED B-50V marker light. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The Betts 500452 is a durable LED clearance/marker light designed for reliable performance. It features a red light source and is constructed with copper material, suitable for various applications requiring a 50-volt power supply.

SAFETY INFORMATION

- Always disconnect power before installing or servicing the light.
- Ensure the voltage supply matches the product's specifications (50 Volts).
- Installation should be performed by a qualified professional if you are unsure about electrical wiring.
- Do not modify the product in any way, as this may void the warranty and create safety hazards.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Betts 500452 LED-CLR/MKR RED B-50V Light Unit
- *(Mounting hardware and wiring may be sold separately, depending on the specific kit.)*

SPECIFICATIONS

| Feature | Detail |
|-------------------------|----------------------------|
| Brand | Betts |
| Model Number | 500452 |
| Color | Red |
| Shape | Rectangular |
| Material | Copper |
| Light Source Type | Light Emitting Diode (LED) |
| Voltage | 50 Volts |
| Mounting Type | Wall Mount |
| Number of Light Sources | 1 |
| Item Weight | 0.15 Kilograms |

SETUP AND INSTALLATION

The Betts 500452 LED-CLR/MKR RED B-50V is designed for wall-mount installation. Follow these steps carefully:

- 1. Prepare the Mounting Surface:** Choose a flat, stable surface suitable for wall mounting. Ensure there is sufficient space and access for wiring.
- 2. Disconnect Power:** Before starting any electrical work, ensure the power supply to the installation area is completely disconnected at the circuit breaker or fuse box.
- 3. Position the Light:** Hold the light unit against the desired mounting location. Mark the positions for mounting screws.
- 4. Drill Pilot Holes:** Drill pilot holes at the marked positions, ensuring they are appropriate for your mounting hardware (not included).
- 5. Wire the Light:** Connect the light's wiring to your 50-volt power supply. Typically, this involves connecting the positive (+) wire from the light to the positive (+) power source and the negative (-) wire to the negative (-) or ground. Refer to local electrical codes and diagrams for proper wiring practices.
- 6. Mount the Light:** Secure the light unit to the mounting surface using appropriate screws. Do not overtighten.
- 7. Restore Power:** Once installation is complete and all connections are secure, restore power to the circuit.
- 8. Test Functionality:** Verify that the LED marker light illuminates correctly.



Image: The Betts 500452 LED-CLR/MKR RED B-50V light unit, showcasing its rectangular shape and red lens. This image illustrates the overall appearance of the product.

OPERATING INSTRUCTIONS

The Betts 500452 LED-CLR/MKR RED B-50V operates as a simple on/off light unit, controlled by the power switch or circuit it is connected to.

- **Turning On:** Activate the power switch or circuit connected to the light. The LED will illuminate.
- **Turning Off:** Deactivate the power switch or circuit. The LED will turn off.

No further user interaction is required for basic operation.

MAINTENANCE

The Betts 500452 LED-CLR/MKR RED B-50V is designed for low maintenance. Regular cleaning and inspection will ensure optimal performance and longevity.

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents, as these can damage the finish or lens.
- **Inspection:** Regularly inspect the wiring and mounting for any signs of wear, corrosion, or looseness. Tighten any loose connections or mounting screws as needed.
- **LED Lifespan:** LEDs have a long operational life. If the light fails to illuminate, first check the power supply and wiring connections before considering replacement.



Image: A closer view of the Betts 500452 LED-CLR/MKR RED B-50V, highlighting the details of its construction and red LED element. This image can assist in identifying the product during maintenance checks.

TROUBLESHOOTING

If your Betts 500452 LED-CLR/MKR RED B-50V is not functioning as expected, refer to the following common issues and solutions:

| Problem | Possible Cause | Solution |
|-------------------------------|---|---|
| Light does not illuminate. | No power supply. Loose wiring connection. Incorrect voltage. Faulty LED. | Check power source and circuit breaker. Inspect and secure all wiring connections. Verify input voltage is 50 Volts. If all else fails, the unit may need replacement. |
| Light flickers or is dim. | Unstable power supply. Loose connection. Voltage fluctuation. | Ensure a stable 50V power source. Check and tighten all wiring connections. Consult an electrician to check power stability. |
| Physical damage to the light. | Impact or environmental stress. | Inspect for cracks or breaks. Replace the unit if damaged to maintain safety and performance. |

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Betts 500452 LED-CLR/MKR RED B-50V, please contact Betts customer service directly. Keep your purchase receipt as proof of purchase.

Contact information can typically be found on the manufacturer's official website or product packaging.