

[Manuals.plus](#) /

› [ESafety Lights](#) /

› ESafety Lights B1LHPF 12V DC 7.5W LED Flashing Beacon Instruction Manual

ESafety Lights B1LHPF

ESafety Lights B1LHPF 12V DC 7.5W LED Flashing Beacon Instruction Manual

MODEL: B1LHPF

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your ESafety Lights B1LHPF 12V DC 7.5W LED Flashing Beacon. This beacon is designed to provide a highly visible warning signal for various applications, including airports, security, construction, utility, and marine operations. It features 33 integrated wide-angle LEDs and a Fresnel lens for 4-directional visibility.

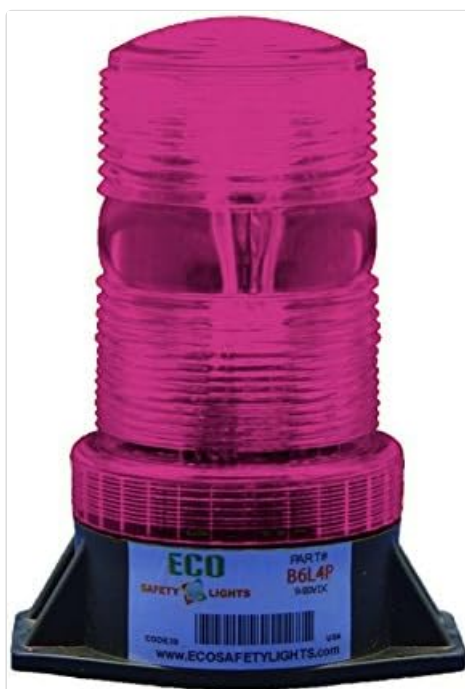


Image 1.1: The ESafety Lights B1LHPF LED Flashing Beacon in Pink.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure the power source is disconnected before installation or maintenance. Connect the beacon only to a 12V DC power supply. Incorrect voltage can damage the unit and pose a safety hazard.
- **Mounting:** Mount the beacon securely to a stable surface capable of supporting its weight and resisting vibrations. Ensure the mounting location does not obstruct visibility or interfere with vehicle operation.

- **Visibility:** Position the beacon where its flashing light is clearly visible to personnel and other vehicles in the operational area.
- **Intended Use:** This product is intended as a warning and emergency signal light. Do not use it for purposes other than its intended design.
- **Environmental Conditions:** While the unit is waterproof (IP66 rated), avoid submerging it or exposing it to extreme temperatures beyond its operational range.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- 1 x ESafety Lights B1LHPF LED Flashing Beacon
- Mounting hardware (screws, nuts, washers)
- Foam bottom gasket
- Electrical connectors (e.g., spade connectors, wire nuts)



Image 3.1: Included mounting hardware and foam gasket.

4. SETUP AND INSTALLATION

The B1LHPF beacon is designed for permanent mounting. Follow these steps for proper installation:

1. **Select Mounting Location:** Choose a flat, stable surface that allows for optimal visibility of the beacon in all intended directions. Ensure there is sufficient clearance for the beacon's dimensions (refer to Section 6, Specifications).
2. **Mark Drill Points:** Use the beacon's base as a template to mark the two mounting hole locations on the chosen surface.
3. **Drill Holes:** Carefully drill pilot holes at the marked locations, ensuring the drill bit size is appropriate for the provided mounting screws.
4. **Secure Foam Gasket:** Place the foam bottom gasket between the beacon's base and the mounting surface. This helps create a seal and reduces vibration.
5. **Mount Beacon:** Position the beacon over the drilled holes, aligning the base with the holes. Insert the mounting screws through the base and secure with the washers and nuts from underneath the mounting surface. Tighten firmly but do not overtighten.
6. **Wiring:** Connect the beacon's power wires to a 12V DC power source. Typically, the red wire is positive (+) and the black wire is negative (-). Ensure connections are secure and insulated to prevent short circuits. If connecting to a vehicle's electrical system, it is recommended to use an inline fuse (not supplied) for protection.



Image 4.1: Bottom view of the beacon, illustrating mounting points.

5. OPERATING INSTRUCTIONS

Once properly installed and wired, operating the B1LHPF LED Flashing Beacon is straightforward:

- **Power On:** Apply 12V DC power to the beacon. The unit will immediately begin its rapid flashing pattern.
- **Flash Pattern:** The beacon produces a rapid flash pattern of 80 quad flashes per minute, designed for high visibility.
- **Power Off:** Disconnect the 12V DC power supply to turn off the beacon.



Image 5.1: The B1LHPF beacon in operation, demonstrating its light output.

6. MAINTENANCE

The ESafety Lights B1LHPF LED Flashing Beacon is designed for durability and requires minimal maintenance. Regular inspection and cleaning will ensure optimal performance.

- **Cleaning:** Periodically clean the lens with a soft, damp cloth to remove dirt, dust, or debris that may obstruct light output. Avoid abrasive cleaners or solvents.
- **Inspection:** Regularly check the mounting hardware for tightness and ensure all electrical connections are secure and free from corrosion. Inspect the housing and lens for any signs of damage.
- **Waterproof Seal:** The unit features a waterproof lamp housing and silicone gasket. Ensure the lens is securely

screwed down to maintain the IP66 rating.

7. TROUBLESHOOTING

If the beacon is not functioning as expected, consider the following common issues and solutions:

- **Beacon does not light up:**
 - Check the power supply to ensure it is providing 12V DC.
 - Verify all electrical connections are secure and correctly wired (positive to positive, negative to negative).
 - Inspect any inline fuses for continuity. Replace if blown.
 - Ensure there are no breaks or damage in the wiring.
- **Light output is dim or inconsistent:**
 - Clean the lens to remove any dirt or obstructions.
 - Check for proper voltage at the beacon. Low voltage can affect brightness.
- **Beacon is loose after installation:**
 - Tighten the mounting screws. Do not overtighten.
 - Inspect the mounting surface for damage or instability.

If issues persist after attempting these troubleshooting steps, contact ESafety Lights customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Model	B1LHPF
Brand	ESafety Lights
Input Voltage	12 Volts DC
Wattage	7.5 Watts (7 watts listed in specs, using product title's 7.5W for consistency)
Amperage	190 Milliamps
Light Source	LED (33 wide-angle LEDs)
Flash Pattern	80 Quad Flashes per Minute (Rapid Flashing)
Visibility	4-Directional (Front, Sides, Back, Up)
Material	Polycarbonate (PC) Lens, Nylon Housing
Ingress Protection (IP) Rating	IP66 (Dust tight - Powerful water jets)
Dimensions (Product)	4 x 3 x 6 inches (approx. 10.16 x 7.62 x 15.24 cm)
Height	5 1/4 inches (approx. 13.34 cm)
Item Weight	10 Ounces (approx. 283.5 grams)

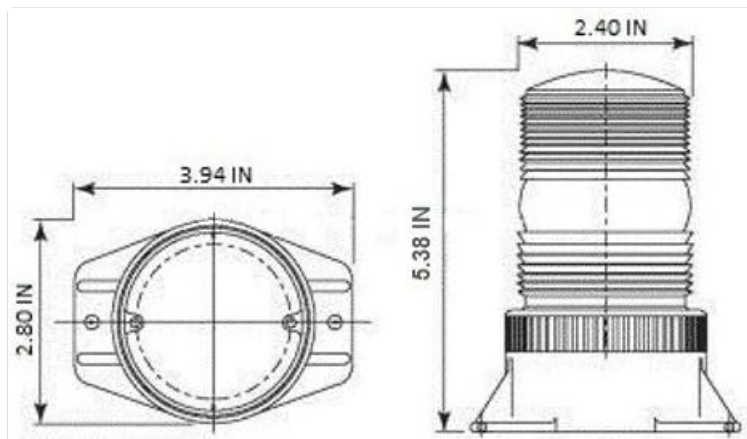


Image 8.1: Dimensional drawing of the B1LHPF beacon.

9. WARRANTY AND SUPPORT

Specific warranty information for the ESafety Lights B1LHPF LED Flashing Beacon is not provided in this manual. For details regarding warranty coverage, returns, or technical support, please refer to the product packaging or contact ESafety Lights directly through their official website or customer service channels.

ESafety Lights LLC

Seller ID: A369155JGBN7PG

For additional information or inquiries, please visit the [ESafety Lights brand page](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B01EW1WCU>

More documents and user manuals: <https://manuals.plus/>