

[Manuals.plus](#) /

› [SUNVIE](#) /

› SUNVIE Low Voltage Step Lights Instruction Manual

SUNVIE BLWFB0512C

The SUNVIE logo is displayed in a blue, sans-serif, uppercase font. It is centered within a white rectangular box, which is itself centered on a light gray background.

SUNVIE Low Voltage Step Lights

Model: BLWFB0512C

1. PRODUCT OVERVIEW

The SUNVIE Low Voltage Step Lights are designed to provide efficient and aesthetically pleasing illumination for outdoor steps, stairs, decks, fences, patios, gardens, walkways, and hardscapes. Featuring an upgraded anti-glare design with an aluminum louver plate, these 5W LED lights offer sufficient brightness without harsh glare. They operate on a safe 12-24V AC/DC low voltage system and are equipped with durable LED chips for a long lifespan.

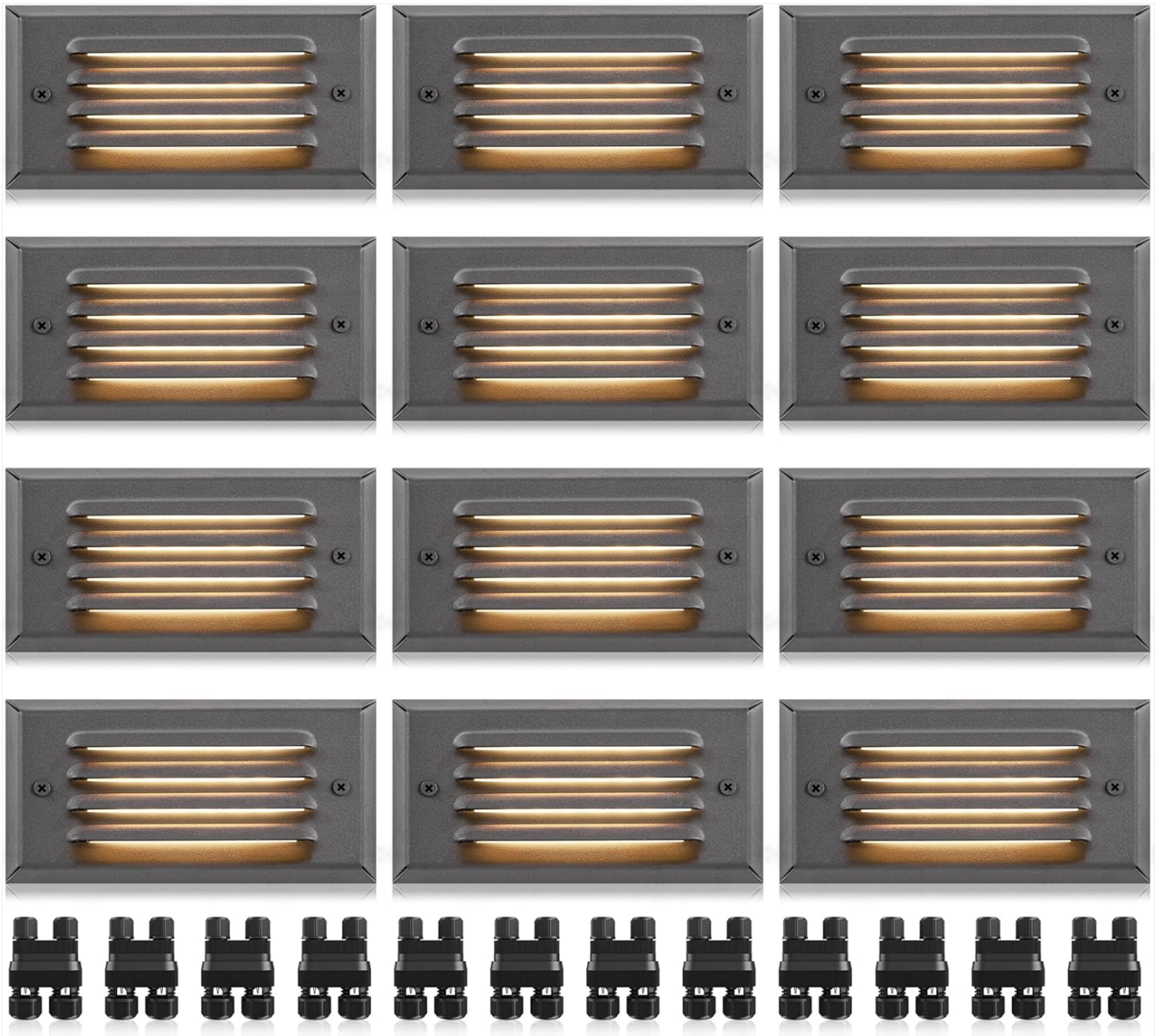


Image 1.1: A set of twelve SUNVIE Low Voltage Step Lights, showcasing their design and included Fastlock2 connectors.

2. SAFETY INFORMATION

- These lights operate on a low voltage of 12-24V AC/DC, ensuring safe usage.
- A transformer (not included) is required to convert standard 110V household electricity to the necessary 12-24V low voltage. Ensure the transformer is compatible with the total wattage of all connected lights.
- The lights feature an IP65 waterproof rating, indicating protection against dust and low-pressure water jets. They are designed with a water-tight seal, pressure rubber pad, and silicon adhesive sealed wire exit for outdoor weather resistance.
- Do not attempt to open or modify the light fixture, as this may compromise its waterproof integrity and void the warranty.



Image 2.1: The IP65 waterproof design ensures durability in various outdoor conditions, including rain.

3. PACKAGE CONTENTS

Each 12-pack of SUNVIE Low Voltage Step Lights includes the following components:

- 12 x SUNVIE Low Voltage Step Lights (5W, 3000K)
- 12 x SUNVIE Fastlock2 Connectors
- 24 x Mounting Screws
- 24 x Expansion Anchors

DIMENSIONS

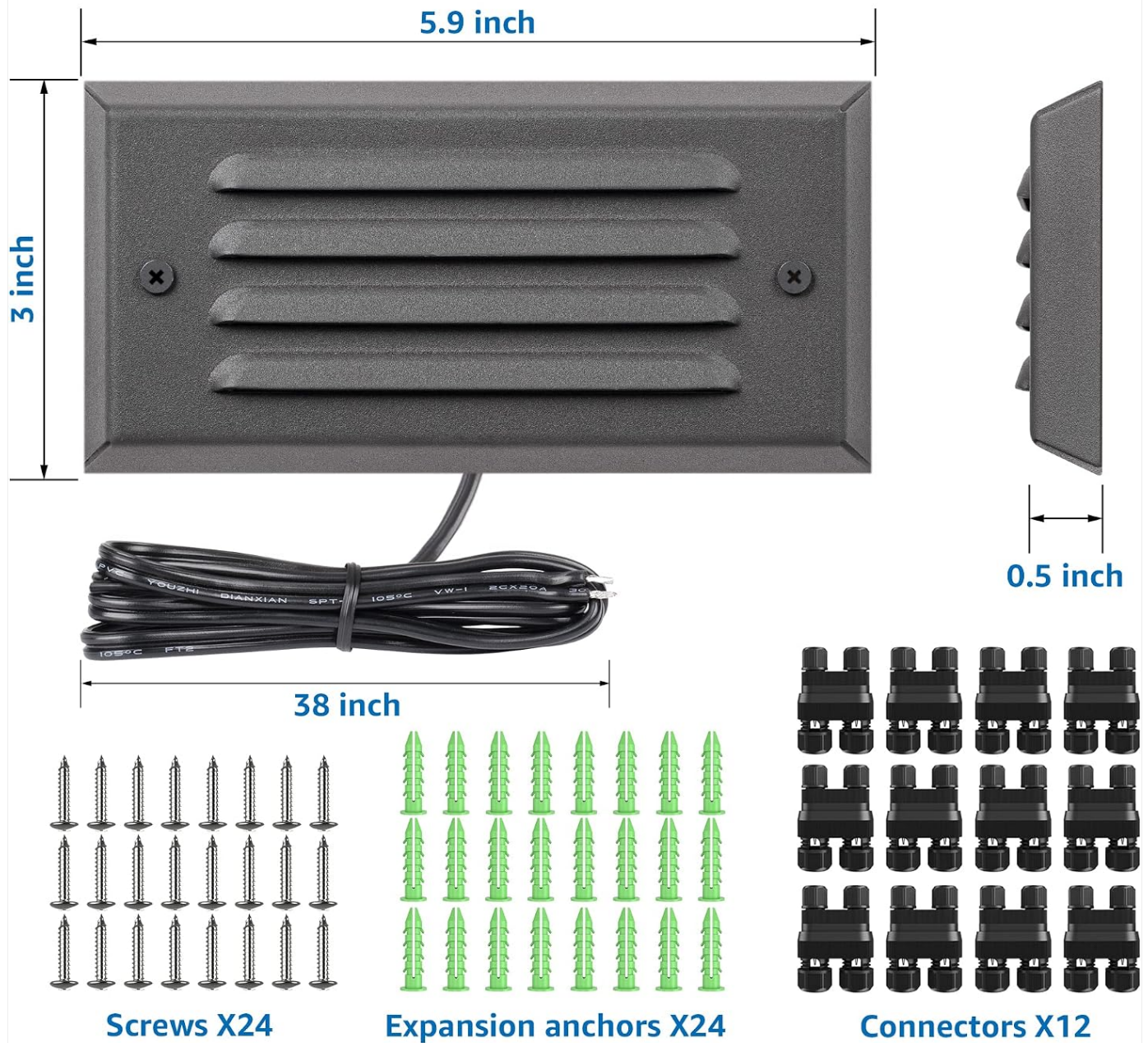


Image 3.1: Detailed view of the package contents and light dimensions.

4. SPECIFICATIONS

Feature	Specification
Brand	SUNVIE
Model Number	BLWFB0512C
Color	Black
Material	Aluminum
Product Dimensions	5.9"L x 0.5"W x 3"H

Feature	Specification
Power Source	Low Voltage AC/DC 12-24V
Light Source Type	LED
Voltage	12 Volts
Light Color	3000K (Warm White)
Wattage	5 watts per light
Brightness	500 Lumen
Water Resistance Level	IP65 Waterproof
Lifespan	50,000+ hours
Wire Length	38 inches (per light)
Installation Type	Surface Mount

5. SETUP AND INSTALLATION

The SUNVIE Low Voltage Step Lights are designed for easy surface mounting. No reserved junction box is required. A low voltage transformer (12-24V AC/DC) is essential for operation and is not included with this product.

Installation Steps:

- Prepare the Location:** Choose a suitable surface for mounting, such as the riser of a step, deck, or fence. Ensure the surface is clean and stable.
- Mark Drilling Points:** Place the light fixture against the desired mounting surface. Use a pencil to mark the two screw holes on either side of the fixture.
- Drill Pilot Holes:** Drill pilot holes at the marked points. If installing into wood, ensure the pilot hole size is appropriate for the screws. If installing into masonry or concrete, use the included expansion anchors and drill appropriate sized holes for them.
- Mount the Light:** Secure the light fixture to the surface using the provided screws. Ensure it is firmly attached.
- Connect Wiring:** Utilize the included Fastlock2 connectors for quick and secure wiring. These innovative connectors simplify the process of connecting the light's 38-inch cord to your main low-voltage power cable (not included). Ensure all connections are tight and waterproof.
- Connect to Transformer:** Connect the main low-voltage power cable to your 12-24V AC/DC low voltage transformer. Ensure the transformer is properly installed and rated for the total wattage of all connected lights.
- Test Operation:** Once all lights are installed and connected, power on the transformer to test the lights.

Easy to Install



Surface mount, no reserved junction box required.

Image 5.1: Surface mount installation of the step light.

EXCLUSIVE INNOVATION



Image 5.2: The Fastlock2 connector simplifies wiring.

6. OPERATING INSTRUCTIONS

The SUNVIE Low Voltage Step Lights are designed for automatic operation. Once properly installed and connected to a compatible low voltage transformer, they will typically turn on automatically when it gets dark and turn off when it becomes light. This functionality is usually managed by the connected transformer or a separate light sensor in your low voltage lighting system. While the lights themselves are simple fixtures, some advanced low voltage lighting systems may offer control via a mobile application or push-button controllers connected to the transformer. Refer to your transformer's manual for specific control options.

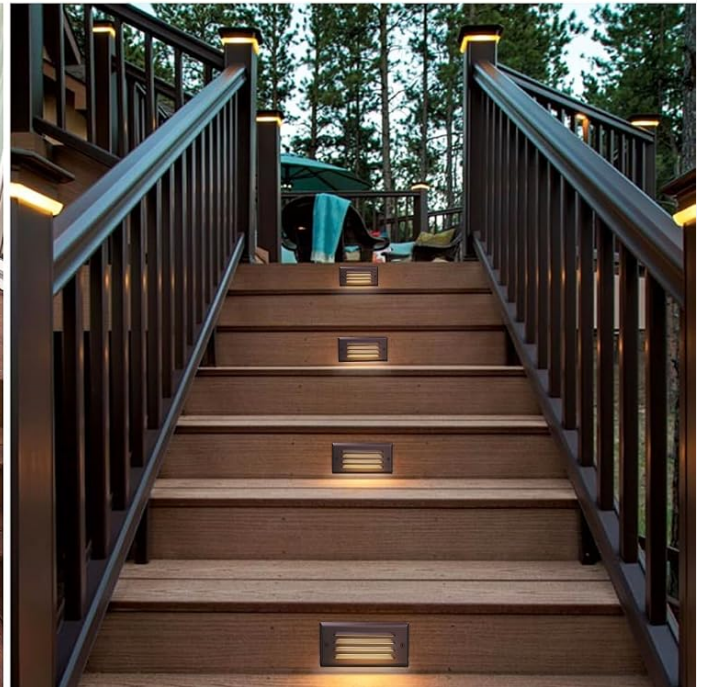
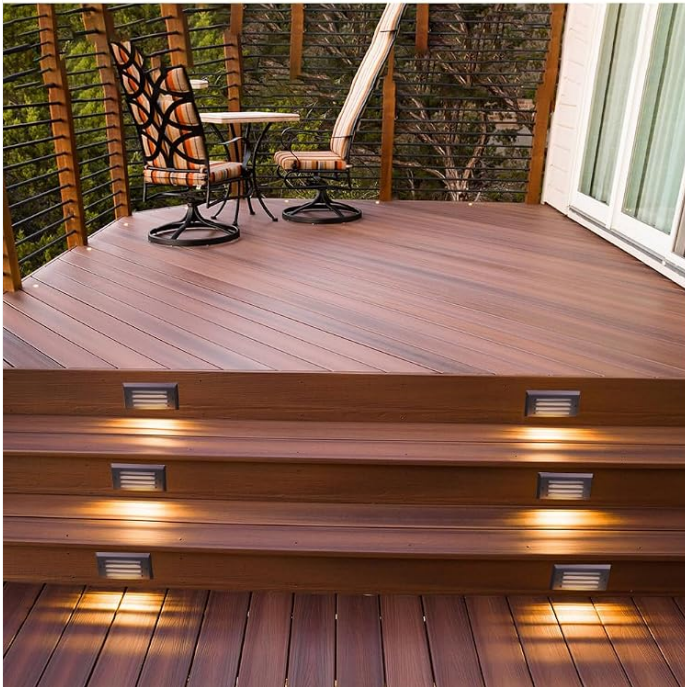


Image 6.1: Step lights providing illumination for outdoor stairs at night.

7. MAINTENANCE

These LED step lights are designed for minimal maintenance due to their durable construction and long-lasting LED chips (50,000+ hours lifespan).

- **Cleaning:** Periodically wipe the light fixtures with a soft, damp cloth to remove dirt, dust, or debris. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or acrylic sheet.
- **Inspection:** Annually inspect the wiring and connectors for any signs of wear, damage, or loose connections. Ensure the Fastlock2 connectors remain securely fastened.
- **Waterproofing:** The IP65 rating ensures resistance to rain and frost. However, avoid submerging the lights in water.

8. TROUBLESHOOTING

If you encounter issues with your SUNVIE Low Voltage Step Lights, refer to the following common troubleshooting steps:

- **Lights Not Turning On:**

- Verify that the low voltage transformer is properly connected to a power source and is turned on.
- Check all Fastlock2 connections to ensure they are secure and making proper contact.
- Inspect the main low-voltage cable for any cuts, damage, or breaks.
- Ensure the light sensor (if applicable to your transformer/system) is not obstructed and is functioning correctly.

- **Lights Are Dim or Flickering:**

- Confirm that the transformer's output voltage is within the 12-24V range.
- Check for loose wiring connections at the lights or the transformer.
- Ensure the total wattage of all connected lights does not exceed the transformer's capacity.

- **Water Inside Fixture:**

- While designed to be waterproof, extreme conditions or improper installation can lead to water ingress. If water is observed, disconnect power immediately.
- Inspect the rubber gasket and silicon seals for damage or improper seating. Re-seal if necessary.
- If the issue persists, contact customer support.

9. WARRANTY AND SUPPORT

SUNVIE stands behind the quality of its products. The Low Voltage Step Lights come with a comprehensive warranty and support:

- **30-Day Money-Back Guarantee:** If you are not satisfied with your purchase, you may return it within 30 days for a full refund.
- **24-Month Replacement Warranty:** A 24-month warranty covers manufacturing defects and malfunctions.
- **Lifetime After-Sales Support:** SUNVIE provides lifetime technical support and assistance for your product.

For any questions, technical assistance, or warranty claims, please contact SUNVIE customer support through their official channels or the retailer where the product was purchased.

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/B09F6N9MPJ>

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