

# STB03

STEP LIGHT



## INSTALLATION GUIDE

ABBA LIGHTING USA

# STB03 STEP LIGHT

CERTIFICATE:



MATERIAL:

HEAVY DUTY  
CAST  
BRASS

WATERPROOF  
RATING:



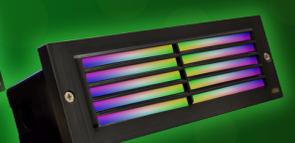
3000K



4000K



5000K



RGBCW

ABBA LIGHTING USA

Thank you for choosing our high-quality product. To ensure the best possible experience, please take a moment to carefully read and follow all instructions before assembly, installation, and use. Doing so will not only guarantee proper function and safety but also help you maximize the full potential of this exceptional product. We truly appreciate your business and are honored to be your trusted provider of top-notch products!



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# WARNING

## TO REDUCE THE RISK OF FIRE OR INJURY TO PERSONS:

- ✓ Please exercise caution when using the lamp, as it tends to HEAT up rapidly. We recommend taking necessary safety measures to ensure optimal usage.
- ✓ For your safety, please refrain from touching the HOT lens, guard, or enclosure. We recommend waiting for the product to cool down before handling it.
- ✓ To prevent any fire hazards, please ensure that the lamp is kept away from materials that may easily catch fire. We appreciate your cooperation in maintaining a safe and secure environment.
- ✓ For safety reasons, we recommend that only a qualified professional install this electrical product.
- ✓ Before attempting to install this unit, ensure all power connections are off for your own safety.

# WARRANTY

- We stand behind the quality of our product and offer a 2 year warranty. Kindly ensure that you keep the proof of purchase as it will be required for any warranty claims.
- Warranty will be void if there is any damage due to improper usage or modification to the fixture.
- Failure to comply with the instruction in this manual may increase the risk of damage or injury and will void warranty.



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# CAUTION:

**FIXTURE(S) MUST BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.**

**DO NOT INSTALL WITHIN 10 FEET OF A POOL, SPA OR FOUNTAIN**

## STB03 Brass Step Light – Elegant & Reliable Outdoor Accent Lighting

The STB03 Brass Step Light from Abba Lighting USA is a premium exterior lighting fixture designed to deliver subtle, functional illumination where ground-level accent lighting is needed. With its solid brass construction, this step light combines durability and classic style, making it suitable for both residential and commercial outdoor applications.

This fixture is ideal for placement in stair risers, along deck edges, around patios, or near walkways. Its low-profile design mounts flush with the surface, providing smooth, dependable illumination that enhances safety and ambiance without drawing attention to the light source itself. The warm glow produced by the Brass Step Light adds dimension and visual interest to landscaped environments while maintaining a refined, architectural appearance.

Built to withstand outdoor conditions, the STB03 offers lasting performance and a high-quality aesthetic that complements surrounding hardscape and landscape elements.

### Solid Brass Construction

Built from robust brass for exceptional corrosion resistance and long-term reliability.



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## Solid Brass Construction

Robust brass housing offers natural corrosion resistance and long-lasting performance in outdoor settings.

## 12V Low-Voltage Operation

Designed for safe and efficient use with standard low-voltage landscape lighting transformers.

## Outdoor-Ready Durability

Weather-resistant construction holds up in varied climates and conditions.

## Flush Recessed Mount Design

The low-profile installation allows the fixture to sit nearly level with surfaces for a clean architectural look.

## Enhanced Safety and Ambiance

Soft accent lighting improves visibility along steps and walkways while contributing to a welcoming environment.

## Versatile Placement

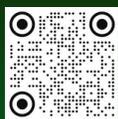
Perfect for stair risers, deck edges, patios, pathways, and other transitional outdoor spaces.



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Specification	Details
<b>Model</b>	STB03
<b>Material</b>	Solid Brass
<b>Light Source</b>	G4 (Sold Separately)
<b>Voltage</b>	12V Low Voltage
<b>Mounting Style</b>	Flush recessed installation
<b>Weather Rating</b>	Outdoor-rated
<b>Application</b>	Steps, patios, deck edges, walkways



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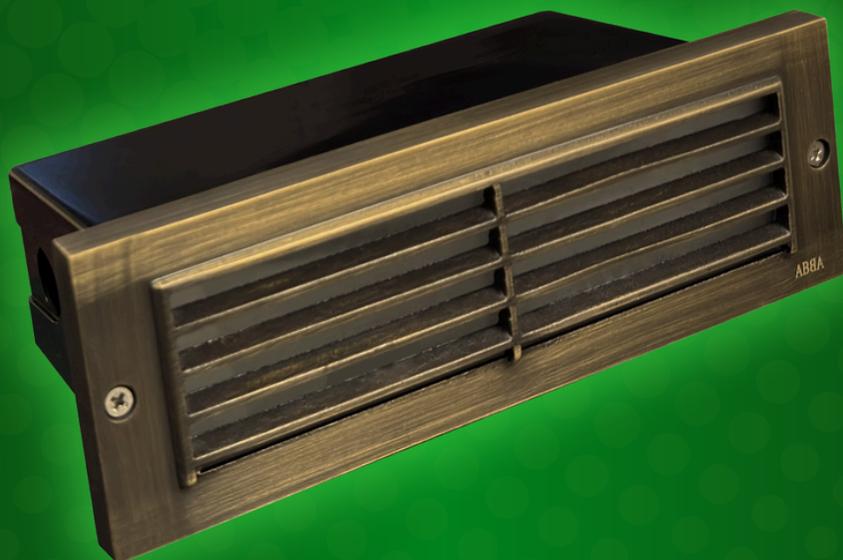
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## Ideal Applications

- Stair riser illumination for improved safety
- Accent lighting for deck and patio perimeters
- Pathway highlighting in landscape settings
- Soft, low-level lighting around garden edges
- Transitional lighting between outdoor zones

## Why Choose the STB03 Brass Step Light?

The STB03 Brass Step Light blends classic material quality with subtle, practical performance. Its solid brass body, weather-ready design, and low-profile installation offer a refined lighting solution that enhances both visibility and aesthetics in outdoor environments. Whether used for residential landscapes or commercial pathways, this fixture provides reliable accent lighting that complements architectural and landscape features.



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## STEP-BY-STEP INSTALLATION INSTRUCTIONS

To ensure optimal performance and maximum safety, use this fixture **ONLY** with a low-voltage landscape transformer.

The transformer reduces standard household voltage from 120V to 12V, making it safe and suitable for outdoor applications.

### 1. Open the Fixture

- Loosen and remove the screws.
- Carefully open the fixture to access the interior components.
- Carefully insert a compatible G4 bulb into the socket. This fixture does not include a bulb; G4 lamp is sold separately.

### 2. Position the Mounting Plate

- Hold the mounting plate against the wall at the desired height and orientation.
- Use a level to ensure the plate is properly aligned (horizontal or vertical as desired).

### 3. Mark the Drill Points

- With a pencil or marker, mark the screw hole locations through the holes in the mounting plate.

### 4. Drill Pilot Holes

- Select a drill bit slightly smaller than the mounting screws.
- Drill pilot holes at each marked location.
- Do not drill deeper than the length of the screws.

### Concrete Installation:

If installing into concrete or stairs, create conduit raceways inside the formwork using 1-inch dowels and PVC pipe before pouring concrete.

After the concrete cures, remove the dowels and finish the surface of each riser as required.



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## STEP-BY-STEP INSTALLATION INSTRUCTIONS

### 5. Prepare the Electrical Connections

We recommend using WN12 Waterproof Wire Nuts (sold separately) for optimal performance and protection.

#### a. Strip the Wires

- Strip approximately  $\frac{3}{4}$  inch (1.9 cm) of insulation from each wire end.
- Ensure the exposed conductors are clean and free of frayed strands.

#### b. Align the Wires

- Hold the stripped ends together neatly, with no stray strands crossing.

#### c. Install the Wire Nut

- Insert the aligned wires fully into the wire nut.
- Twist the wire nut clockwise until snug and secure.
- For additional protection, wrap the connection with electrical tape.

#### d. Test the Connection

- Gently tug each wire to verify a secure connection.

### 6. Mount the Fixture

- Align the metal mounting plate with the pilot holes.
- Insert the screws through the mounting plate.
- Tighten evenly using a screwdriver.
- Do not overtighten.
- Confirm the plate is firm, level, and free from wobble.

#### Deck Installation:

Carefully position the mounting plate within the deck opening before securing.

### 7. Final Assembly

- Place the top cover of the fixture in position.
- Secure it by tightening the side screws firmly.

### 8. Power & Testing

- Restore power at the transformer or breaker.
- Turn the system on and verify proper operation.
- Adjust the fixture orientation as desired and re-test.



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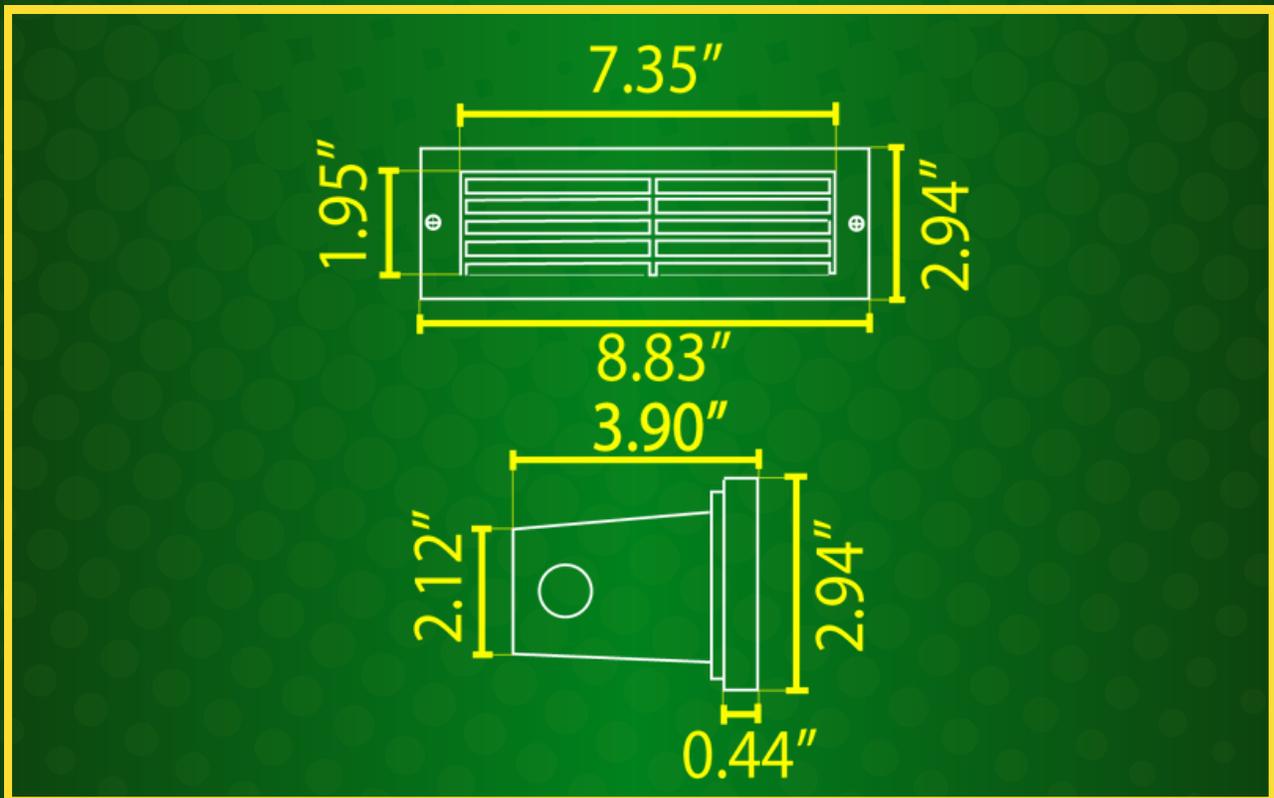
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## MAIN LINE

Attach the wires from the fixture(s) to the main cable, For best results, we recommend using WN12 waterproof wire nuts (which are sold separately)



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## MAINTENANCE TIPS

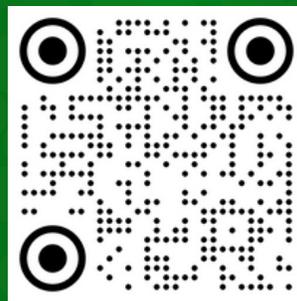
- **Regular Inspection:** Periodically check the bracket and fixture to ensure they are still securely mounted and functioning correctly.

## SAFETY PRECAUTIONS

- Always wear appropriate safety gear, such as gloves and safety glasses, during installation.
- Ensure the mounting surface is capable of supporting the weight of both the bracket and the lighting fixture.

## ADDITIONAL RESOURCES

For a detailed video tutorial on how to install, visit our YouTube channel and search for "STB03"



Please visit our website for more of our products.

[www.ABBALightingUSA.com](http://www.ABBALightingUSA.com)



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**NATURAL BRASS**



**DARK BRASS**



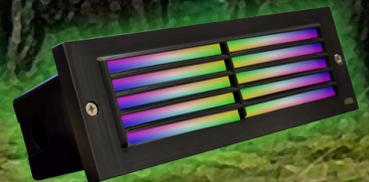
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