

STADO9 LED

STEP LIGHT



INSTALLATION GUIDE

ABBA LIGHTING USA

STABO9 LED

STEP LIGHT

FEATURE:
SURFACE
MOUNT

MATERIAL:
HEAVY DUTY
CAST
ALUMINUM

**WATERPROOF
RATING:**

IP65

3W AC/DC
12V



BLACK
FINISH



3000K

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!



YOUTUBE VIDEO
INSTALLATION GUIDE



WEBSITE



CATALOG



(800) 360-2960



ABBALightingUSA@gmail.com



7701 Alabama Ave, Canoga Park, CA 91304

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

STA09 Aluminum Deck Light – Versatile Accent Lighting with G4 Bulb Compatibility

The STA09 Integrated Aluminum Deck/Step Light from Abba Lighting USA is a high-quality exterior illumination solution designed to bring refined, low-level light to deck edges, stair risers, patios, and other outdoor surfaces. With a sturdy aluminum body and integrated LED light source, this fixture delivers dependable performance while blending seamlessly into architectural surroundings.

This fixture's flush recessed design allows it to sit neatly within horizontal or vertical surfaces, creating unobtrusive accent lighting that enhances safety and ambiance without drawing attention to the fixture itself. Engineered for long-lasting use, the STA09 offers consistent light output and energy-efficient operation, making it a great choice for both residential and commercial outdoor lighting applications.

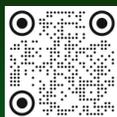
Whether used to outline outdoor steps, illuminate deck perimeters, or softly light transitional areas, the STA09 provides balanced illumination that improves visibility and complements modern exterior designs.

Integrated LED Light Source

Built-in LED delivers reliable illumination with consistent output and long life, eliminating the need for replaceable bulbs.



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Aluminum Construction

Durable aluminum housing provides corrosion resistance and outdoor durability, ensuring long-lasting performance.

12V Low-Voltage Compatibility

Compatible with standard low-voltage landscape lighting systems for safe and efficient operation.

Flush Recessed Installation

The sleek, recessed profile allows the fixture to blend seamlessly into deck boards, steps, or patio edges for a clean architectural look.

Outdoor-Rated Design

Built to withstand moisture, temperature changes, and outdoor exposure for year-round reliability.

Flexible Outdoor Application

Ideal for deck borders, stair risers, patios, walkways, and other places where accent lighting enhances safety and visual appeal.



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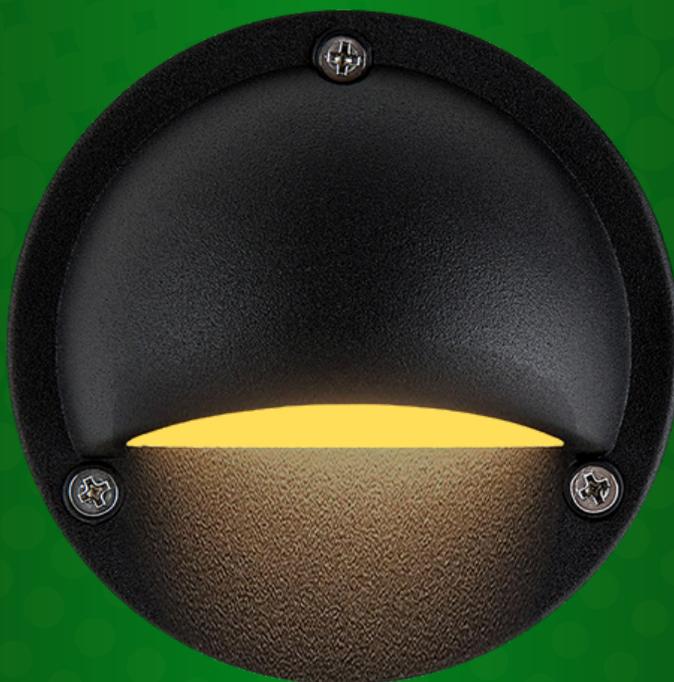
Technical Specifications

Model STA09

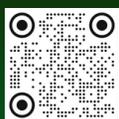
Housing Material: Aluminum
Light Source: 3W AC/DC 12V
Operating Voltage: 12V Low Voltage
Mounting Type: Flush recessed installation
Weather Rating: Outdoor-rated

Ideal Applications

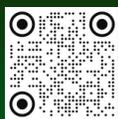
- Deck perimeter accent lighting
- Stair and step edge illumination
- Patio and terrace low-level lighting
- Walkway and pathway lighting
- Outdoor entertainment and seating areas



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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.

2. Position the Mounting Plate

- Hold the metal 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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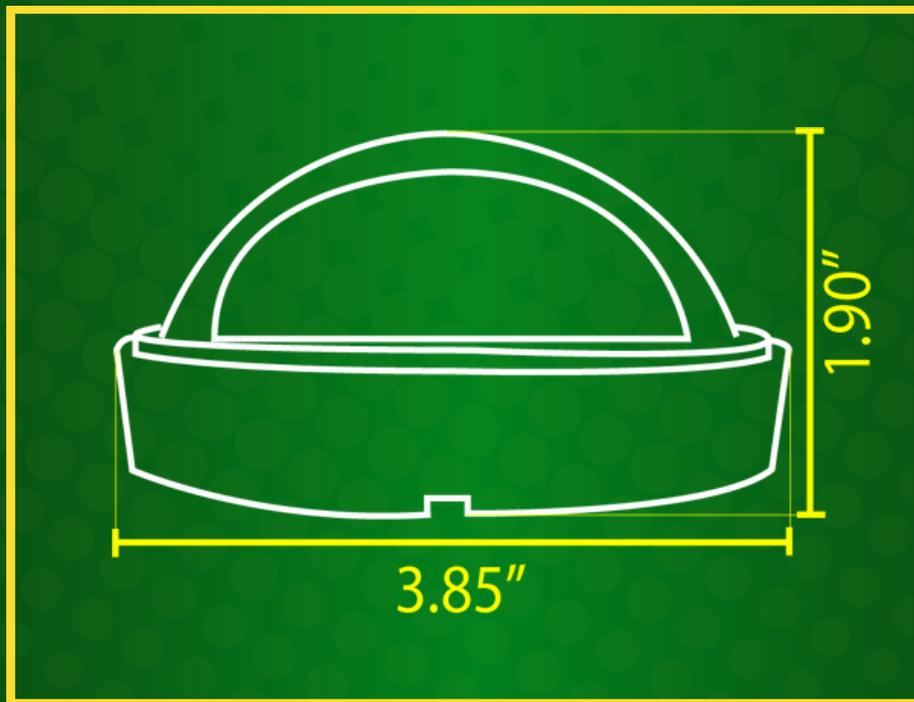


WN12

WN12

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

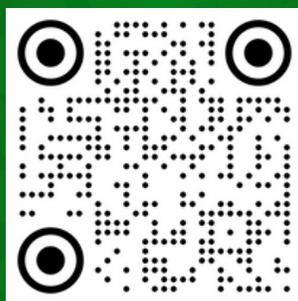
- **Regular Inspection:** Periodically check the bracket and fixture to ensure they are still securely mounted and functioning correctly.

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 "STA09LED"



Please visit our website for more of our products.

www.ABBALightingUSA.com



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