

# ABBA

LIGHTING USA

*12V Landscape Light Specialist*



# STB18

## INSTALLATION GUIDE

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

## RATED VOLTAGE 12V AC/DC

Congratulations on your purchase of this high-quality product! We want to ensure that you have the best possible experience with it, so we kindly ask that you take a moment to carefully read and follow all instructions before assembly, installation, and use. By doing so, you'll not only guarantee correct function and safety, but also optimize the full potential of this exceptional product. Thank you for choosing us as your trusted provider of top-notch products - we truly appreciate your business!

### IMPORTANT SAFETY INSTRUCTIONS

#### LIGHTEN LAMP IS **HOT!**

#### **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 LIFETIME 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.

## CAUTION:

fixture(s) must be installed in accordance with all local codes and ordinances.  
Do not instal within 10 feet of a pool, spa or fountain

## INSTALLATION INSTRUCTION

To ensure optimal performance and safety, it is important to use our fixtures ONLY with a low voltage landscape transformer. This transformer reduces the voltage from 120V to 12V, making it safe and suitable for outdoor use.

When installing the fixture(s), please follow these instructions carefully:

1. Before installation, please ensure that the power is turned off for your safety.

2. Hold the FIXTURE against the wall at the desired height and orientation. Ensure it is level and aligned according to your preferences.

3. Using a pencil or marker, carefully mark the screw hole locations on the wall through the holes in the metal plate.

4. Select an appropriately sized drill bit for the pilot holes, which should match the diameter of the screws you are using. It is recommended to use a bit slightly smaller than the screws to provide a secure grip.

5. Position the drill bit on each marked spot and gently drill pilot holes into the wall at the marked locations. Take care not to drill too deep, ensuring the depth matches the length of the screws.

6. For **concrete installation**, To begin, construct conduit raceways inside the concrete formwork by using one-inch dowels and PVC pipe before pouring the concrete. After the concrete has cured, remove the dowels and proceed to finish the outer surface of each riser if you are installing it in stairs.

We recommend using **WN12** waterproof wire nuts (sold separately) for optimal connectivity.

7. Strip the insulation: Carefully strip approximately 3/4 inch (1.9 cm) of insulation from the ends of the two wires you wish to connect. Ensure that the bare metal ends are clean and free from any frayed strands.

8. Align the wires: Hold the stripped ends of the two wires together, aligning them neatly and ensuring that no stray strands are crossing over.

9. Insert the aligned ends of the wires into the wire nut, ensuring that they go all the way in. The bare ends should be completely covered by the wire nut. Twist the wire nut: Firmly twist the wire nut clockwise onto the wires, ensuring a secure connection. Continue twisting until the wire nut is tight and snug. For added safety, it is recommended to apply electrical tape around the wire nuts and wires as an extra layer of protection.

10. Test the connection: Gently tug on each wire to ensure they are securely held by the wire nut.

11. Place the FIXTURE the wall, aligning the screw holes with the pilot holes you created.

12. Take the screws and insert them through the holes in the FIXTURE, one at a time. For deck installation, position the metal plate carefully within the hole.

13. Using a screwdriver, tighten the screws gradually and evenly, ensuring a secure attachment of the metal plate to the wall. Be cautious not to overtighten and damage the wall surface.

- Confirm that the metal plate is firmly and evenly attached to the wall, without any wobbling or misalignment.
- Use a level to verify that the metal plate is horizontally or vertically aligned, as desired.

14. Remember to test the fixture after making any adjustments to ensure it is functioning correctly and that the lighting is set to your preferences.

15. Place the top cover of the fixture in position and proceed to secure it by tightening the screws firmly.

16. Once the fixture(s) have been installed securely, it's time to turn on the power and enjoy the enhanced lighting experience! Locate the power switch or breaker that controls the fixture(s) and turn it on. Take a moment to observe the lighting effect

Remember to regularly maintain and clean the fixture(s) to ensure optimal performance and longevity.



**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)**

