

ABBA

LIGHTING USA

12V Landscape Light Specialist



UNB12

INSTALLATION GUIDE

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 2-year warranty from the date of purchase. Please note that the warranty is valid from the date of purchase, not from the date of installation. 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. Observe the upper portion of the fixture. To detach the face plate, simply loosen the screws and proceed to remove the top cover and glass from the housing.
3. Locate the socket where the lamp will be inserted. Align the lamp's base or pins with the corresponding slot in the socket. Gently push the lamp into the socket, ensuring a secure and snug fit.
4. Carefully position the top part of the fixture above the lower part. Carefully tighten the screws in a clockwise direction until you feel the top part properly engaging with the lower part until it is securely fastened.
5. Select a suitable spot where you intend to dig the hole, considering factors such as purpose, accessibility, and any relevant guidelines or regulations. Gradually dig deeper, removing the loosened soil. Calculate the approximate volume of pea gravel or sand required to fill the cleared space, taking into account the 3-inch clearance on all sides.
6. Using a suitable main cable connector for direct burial, attach the fixture(s) wires. We recommend using **WN12** waterproof wire nuts (sold separately) for optimal connectivity. To establish a dependable and enduring electrical connection between fixture wires and the main line in outdoor or underground installations, it is essential to select a suitable main cable connector designed for direct burial. This connector should be chosen based on its ability to withstand environmental conditions, resist moisture and corrosion, and provide robust insulation. By adhering to industry standards and best practices, including proper wire stripping and secure fastening techniques, a reliable connection can be established, ensuring optimal performance, safety, and longevity of the system.
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.

Inspect the hole and surrounding area to ensure that the depth, width, and clearance meet the specified requirements.

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7.To install the fixture in the hole and ensure proper water drainage by filling the extra space with pea gravel or sand, please follow these instructions:

Step 1: Prepare the fixture for installation:

- a. Make sure the fixture is clean and free from any debris or obstructions.
- b. Ensure that any necessary electrical connections have been made or are ready to be connected.

Step 2: Position the fixture in the hole:

- a. Carefully lower the fixture into the hole, aligning it with the opening and ensuring it sits securely.
- b. Adjust the position of the fixture as needed to ensure proper orientation and alignment with any mounting or connection points.

Step 3: Fill the extra space with pea gravel or sand:

- a. Take the pea gravel or sand that you have prepared for filling the extra space.
- b. Begin pouring or distributing the pea gravel or sand around the sides of the fixture, allowing it to fill the space between the fixture and the hole.
- c. Use a shovel or similar tool to gently pack the pea gravel or sand, ensuring it settles evenly and provides stable support.

Step 4: Verify the completed installation:

- a. Inspect the fixture to confirm that it is securely positioned in the hole.

- b. Check that the pea gravel or sand fills the extra space adequately, providing proper drainage around the fixture.

- c. Ensure that the fixture remains level and stable after the installation.

Step 5: Test the water drainage:

- a. Pour a small amount of water near the fixture or use a hose to simulate water flow.
- b. Observe the drainage around the fixture and ensure that water flows away from the fixture as intended.
- c. Make any necessary adjustments to the pea gravel or sand to optimize water drainage if needed.

Once the fixture(s) are securely installed, turn on the power and enjoy the enhanced lighting experience!

We strongly recommend that the main cable from the transformer be buried underground for safety reasons. Additionally, please be sure to avoid exceeding the maximum wattage on the fixture(s) to prevent any damage or hazards.

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

