A large black cylindrical spotlight fixture is shown against a green background. In the foreground, a smaller version of the same fixture is shown, illuminated from within, casting a warm yellow glow. The fixture has a textured, ribbed exterior and a circular lens at the front.

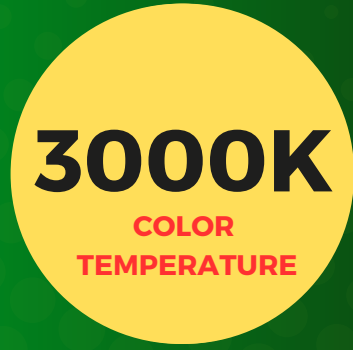
CP12

SPOT LIGHT

INSTALLATION GUIDE

ABBA LIGHTING USA

CP12 SPOT LIGHT



12W AC 12V COB
W/ IC PROTECTION



HEAVY DUTY
CAST ALUMINUM



SANDY BLACK
FINISH



780 LUMENS

CDL2

SPOT LIGHT

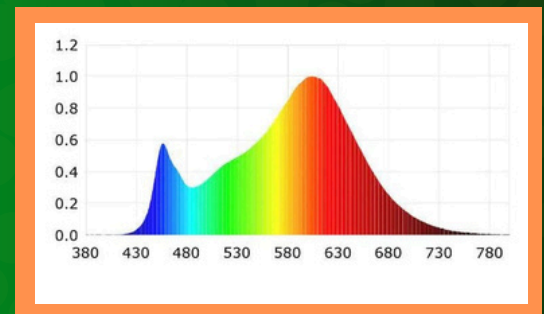
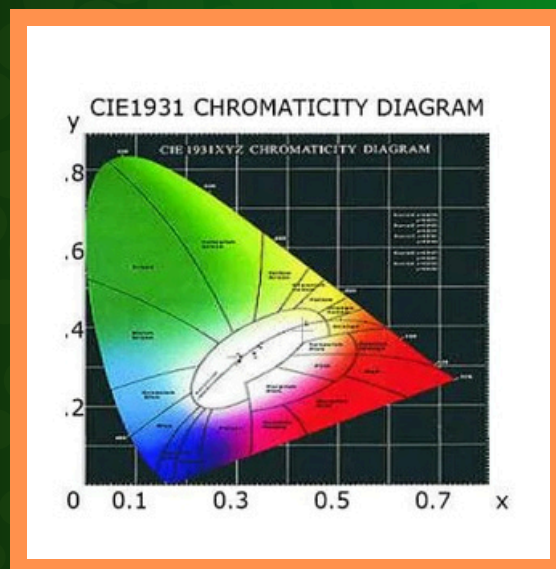


LIGHTING DIAGRAM

This image illustrates light and color properties:

1. CIE 1931 Chromaticity Diagram (Left): Shows all visible colors, mapping how colors mix. The boundary represents pure colors, while the center is white light.
2. Spectral Power Distribution (Right): Displays the intensity of a light source across visible wavelengths, indicating its color composition.

Together, they analyze and define a light source's color and spectrum characteristics.



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

PRODUCT OVERVIEW

Highlight your outdoor space with the 12W COB LED spotlight, featuring a 3000K warm white light at 780 lumens and a focused 24° beam angle. Perfectly designed to illuminate palm trees from base to canopy, it combines a durable cast aluminum body with a stylish sandy black finish. With an IP65 waterproof rating, it delivers reliable performance in any weather.

Elevate your landscape lighting effortlessly!

Durable. Versatile. Effortless.

TOOLS & MATERIALS NEEDED

Tools:

- Shovel or trowel
- Wire stripper (if hardwired)
- Screwdriver
- Tape measure

Materials:

- CD12 Spot Light
- Ground stake (included)
- Electrical connectors (for hardwiring)
- Low-voltage transformer (for low-voltage systems)
- WN12 Wire nuts (Sold Separately)



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INSTALLATION GUIDE FOR CD12

STEP-BY-STEP INSTALLATION INSTRUCTIONS

Step 1: Plan Your Layout

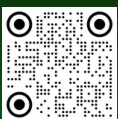
- **Determine Placement:** Choose the path or area where the lights will be installed. Measure the distance between lights to ensure even illumination. A typical spacing is 6–10 feet apart, depending on the desired light spread.
- **Consider Power Source:** Ensure that the path light can be connected to a suitable power source.

Step 2: Prepare the Ground

- **Dig the Hole:** Using a shovel or trowel, dig a hole where you want to install the path light. The hole should be deep enough to accommodate the ground stake.
- **Ensure Stability:** Make sure the hole is wide enough to allow the ground stake to sit firmly. Test-fit the stake by inserting it into the hole to ensure stability before proceeding.

Step 3: Connect the Electrical Wiring

- **Strip the Wires:** Use a wire stripper to strip ½ inch of insulation from the end of the light's wires.
- **Connect to the Transformer:** Attach the wires to the low-voltage transformer, . Ensure the positive and negative terminals are correctly aligned.
- **Waterproof the Connections:** Use WN12 waterproof wirenuts (Sold Separately) to protect the wiring from moisture and outdoor conditions when connecting the wires from the fixture.



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Step 4: Attach the Spot Light

- **Mount the Fixture:** Once the wiring is complete, securely attach the CD12 spot light to the ground stake.
- **Secure the Fixture:** Ensure the fixture is stable and upright. Adjust the positioning as needed before tightening the fixture in place.

Step 6: Final Light Check

- **Power On:** Once everything is connected, turn on the power to the fixture.
- **Check Illumination:** Verify that the path light is functioning properly and provides adequate illumination for the area.
- **Adjust if Necessary:** If needed, reposition the fixture for optimal light coverage.



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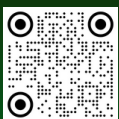
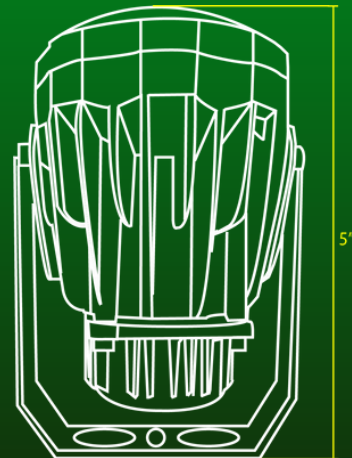
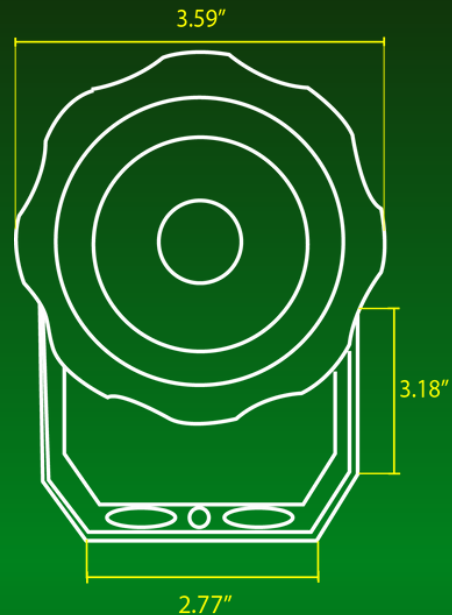
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We strongly recommend that the main cable from the transformer be buried underground for safety reasons. Additionally, please be sure to avoid exceeding the maximum wattage on the fixture(s) to prevent any damage or hazards



Connect the wires using
WN12 (Sold separately)

Main Line



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MAINTENANCE TIPS

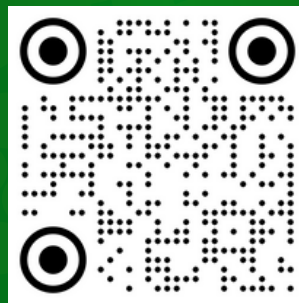
- **Regular Inspection:** Periodically check the bracket and fixture to ensure they are still securely mounted and functioning correctly.
- **Surface Maintenance:** Monitor the mounting surface, particularly trees, to ensure the bracket does not cause damage as the tree grows.

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.

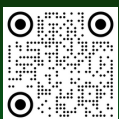
ADDITIONAL RESOURCES

For a detailed video tutorial on how to install, visit our YouTube channel and search for "CD12"



Please visit our website for more of our products.

www.ABBALightingUSA.com



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CD12

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