

CLOUDY BAY CBST053CBK-6PK

CLOUDY BAY 6-Pack 3-Color Low Voltage LED Step Lights Outdoor Instruction Manual

Model: CBST053CBK-6PK

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CLOUDY BAY 6-Pack 3-Color Low Voltage LED Step Lights. Please read this manual thoroughly before installation and retain it for future reference.

SAFETY INFORMATION

- Always disconnect power before installation or servicing.
- Ensure the power source is 12-24V AC/DC low voltage. Connecting to higher voltage may damage the lights and pose a safety risk.
- Installation should be performed by a qualified electrician if you are unsure about wiring procedures.
- Do not modify the product in any way, as this will void the warranty and may cause damage or injury.
- Keep the product away from flammable materials.
- Although the lights are waterproof, ensure all wire connections are properly sealed, especially in wet locations, using the provided waterproof wire connectors.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 6 x CLOUDY BAY LED Step Lights
- Mounting Hardware (Mounting Bracket x1 per light, Expansion Pipe/Screws x2 per light)
- Waterproof Wire Nuts (2 per light)
- Reflected Tab (1 per light)

Note: A low voltage transformer (12-24V AC/DC) is required for operation and is NOT included in this package.

PRODUCT DIMENSION



Figure 1: Product Dimensions and Included Components. Each light measures approximately 0.9"L x 1.75"W x 7.37"H and includes a 3ft cord.

SPECIFICATIONS

Brand	CLOUDY BAY
Model Number	CBST053CBK-6PK
Color	Black
Material	Aluminum body, Polycarbonate shade

Power Source	12-24V AC/DC Low Voltage
Wattage	2.5 Watts per light
Brightness	30 Lumens (up to 60 Lumens with reflected sheet)
Color Temperature	2700K (Soft Warm White), 4000K (Cool White), 6000K (Day Light) - Selectable
Indoor/Outdoor Usage	Outdoor (Wet Location rated)
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Dimensions (L x W x H)	7.37" x 1.75" x 0.9"
Weight	2.2 pounds (for the 6-pack)

SETUP AND INSTALLATION GUIDE

- Follow these steps for proper installation of your LED step lights. A low voltage transformer is required and sold separately.
- 1. Prepare the Surface:** Drill two holes on the desired wall or surface where the light will be mounted. Insert the provided anchors into these holes.
 - 2. Wiring:** Make all necessary wiring connections. Connect the light's wires to your low voltage power supply using the provided waterproof wire nuts. Ensure proper polarity (positive to positive, negative to negative) for AC/DC systems.
 - 3. Mounting Bracket:** Place the mounting bracket against the wall, aligning it with the drilled holes, and secure it with the provided screws.
 - 4. Select Color Temperature:** Before fixing the light unit, locate the CCT (Correlated Color Temperature) toggle switch on the back of the light. Select your desired color temperature: 2700K (Soft Warm White), 4000K (Cool White), or 6000K (Day Light).
 - 5. Attach Light Unit:** Fix the light unit to the mounting bracket using the attached screws.
 - 6. Complete Installation:** Ensure all connections are secure and the light is firmly mounted.

INSTALLATION GUIDE

Low Voltage
Transformer



12V-24V DC Input or 12V-16V AC Input



Low Voltage Transformer Required, not Included

Step 1: Drill two holes on the wall of surface then insert anchors

Step 2: Make all wiring with the wire nuts provided

Step 3: Put mounting bracket against wall, screw it

Step 4: Select CCT by push toggle switch, from 2700K/4000K/6000K

Step 5: fix light unit to mounting bracket with attached screws

Step 5: Installation is completed

Figure 2: Installation Guide. Shows wiring to a 12V-24V DC or 12V-16V AC input from a low voltage transformer (not included).

Your browser does not support the video tag.

Video 1: CLOUDY BAY 3 Color Low Voltage Deck Step Lights Outdoor. This video demonstrates the features and installation process of the step lights.

OPERATING INSTRUCTIONS

Color Temperature Selection

Your CLOUDY BAY LED Step Lights feature a 3-color temperature selectable switch, allowing you to customize the

ambiance of your outdoor space.

- **2700K:** Soft Warm White, ideal for a cozy and inviting atmosphere.
- **4000K:** Cool White, providing a neutral and clear illumination.
- **6000K:** Day Light, offering bright and crisp lighting.

To change the color temperature, locate the toggle switch on the back of each light unit. Adjust the switch to your preferred setting before final installation or by carefully accessing the back of the light if already installed.



Figure 3: 3 CCT Selectable Feature. The toggle switch allows selection between 2700K, 4000K, and 6000K.

Increasing Lighting Brightness (Optional)

The step lights provide 30 lumens of output. For increased brightness up to 60 lumens, you can utilize the included reflected sheet.

1. **Prepare the Reflected Sheet:** Take the included reflected sheet.
2. **Remove Blue Tape:** Carefully remove the blue protective tape from the reflected sheet.
3. **Paste Sheet:** Gently paste the reflected sheet into the designated area within the light fixture.

INCREASE LIGHTING BRIGHTNESS

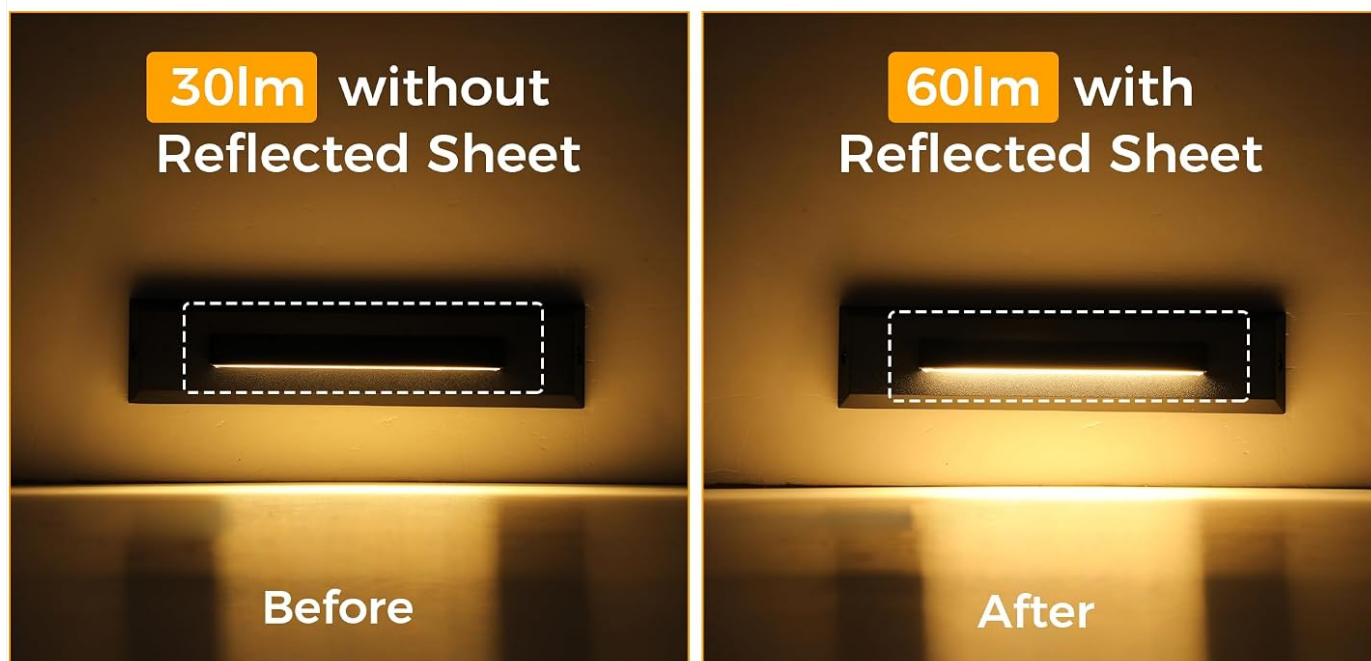


Figure 4: Brightness Enhancement with Reflected Sheet. Steps to double the light output from 30lm to 60lm.

MAINTENANCE

The CLOUDY BAY LED Step Lights are designed for durability and minimal maintenance. They feature a die-cast aluminum housing, making them anti-corrosion and waterproof for outdoor use.

- **Cleaning:** Periodically clean the light fixtures with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners or solvents.
- **Inspection:** Annually inspect wiring and connections for any signs of wear or damage. Ensure waterproof wire nuts remain secure.

- **Environmental Considerations:** The lights are designed to withstand temperatures from -4°F to 104°F. While weather-resistant, prolonged exposure to extreme conditions or corrosive environments (like heavy salt spray) may affect longevity.



Figure 5: Weather Resistance. The lights are built to withstand various outdoor elements.

TROUBLESHOOTING

If you encounter issues with your CLOUDY BAY LED Step Lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Lights do not turn on.	◦ No power to the transformer. ◦ Incorrect wiring (e.g., reversed polarity, loose connection). ◦ Faulty transformer. ◦ Damaged light unit.	◦ Check the power supply to your low voltage transformer. ◦ Verify all wiring connections are secure and correctly polarized. Use a multimeter to check voltage at the light connection points. ◦ Test the transformer output voltage. Replace if faulty. ◦ If all other components are working, the light unit may be defective. Contact support.
Lights flicker or dim.	◦ Insufficient power from the transformer. ◦ Loose wiring connection. ◦ Voltage drop due to long wire runs or incorrect wire gauge.	◦ Ensure your transformer has adequate wattage for all connected lights. ◦ Check and tighten all wire connections. ◦ Consult an electrician to assess wire gauge and length for potential voltage drop issues.
Incorrect color temperature.	CCT switch set incorrectly.	Access the back of the light unit and adjust the CCT toggle switch to the desired setting (2700K, 4000K, or 6000K).

If these steps do not resolve the issue, please contact CLOUDY BAY customer support.

WARRANTY

CLOUDY BAY Lighting offers a **3-year warranty** on this product, based on 3-5 hours of everyday use. This warranty covers defects in materials and workmanship under normal use.

If for any reason you are not satisfied with your purchase or experience a product defect within the warranty period, please contact us for an easy and fast replacement or resolution.

SUPPORT

For technical assistance, warranty claims, or any questions regarding your CLOUDY BAY LED Step Lights, please contact CLOUDY BAY customer service.

Please refer to the contact information provided with your purchase or visit the official CLOUDY BAY website for support details.

Online Resources:

- [CLOUDY BAY Amazon Store](#)
- [Product Page on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question