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CLOUDY BAY LJD004BLWH-6PK

CLOUDY BAY 4 Inch Smart LED Recessed Ceiling Light Instruction Manual

Model: **LJD004BLWH-6PK** | Brand: **CLOUDY BAY**

Overview Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The CLOUDY BAY 4 Inch Smart LED Recessed Ceiling Light is designed to provide versatile and intelligent lighting solutions for your home. This 6-pack includes lights with RGB backlighting, offering a wide range of color options and adjustable white light from 2700K to 6500K. A hub is included for enhanced control capabilities.

Key Features:

- **APP Control:** Manage your lighting settings, including color, brightness, and color temperature (2700K-6500K), directly from the CloudyBay APP. Access over 16 million colors for personalized ambiance.
- **Voice Control:** Compatible with Amazon Alexa and Google Assistant. Adjust brightness, color temperature, and RGB color using voice commands. A hub is required for voice control functionality.
- **Music Sync & Scenarios:** Synchronize lighting with music beats for an immersive experience. Choose from 14 pre-set scenarios to suit various activities such as reading, working, sleeping, or entertaining.
- **Group and Remote Control:** Group multiple lights for simultaneous control. Control your lights remotely from anywhere with an internet connection (hub required). Share control with family members.
- **Quality & Safety:** ETL Listed, CRI90+, 700LM brightness. Suitable for damp locations.

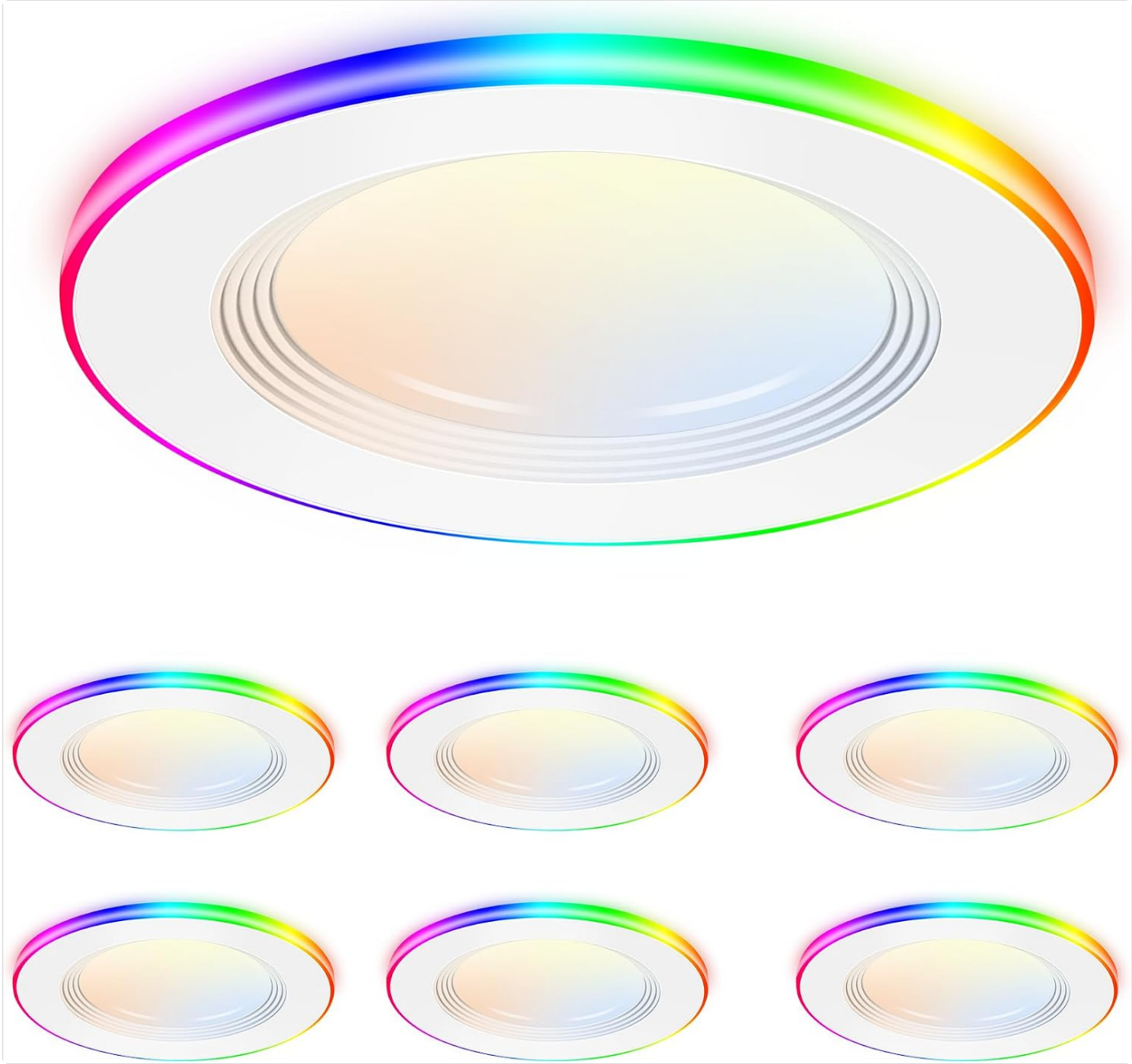


Image: A 6-pack of CLOUDY BAY 4 Inch Smart LED Recessed Ceiling Lights, showcasing their sleek design and vibrant RGB backlighting.

2. Setup and Installation

2.1 Product Dimensions and Components

Before installation, familiarize yourself with the product dimensions and components. Each light fixture is ultra-thin and comes with a separate junction box (J-Box) and a hub for smart control.



Image: Detailed product dimensions showing the 4-inch light fixture, 1-1/8 inch thickness, 5-1/4 inch outer diameter, 3-1/8 inch illumination diameter, and the compact J-Box (4 inches x 2-3/4 inches x 1-3/8 inches) connected by a 13-inch cable. A hub is also shown as included in the package.

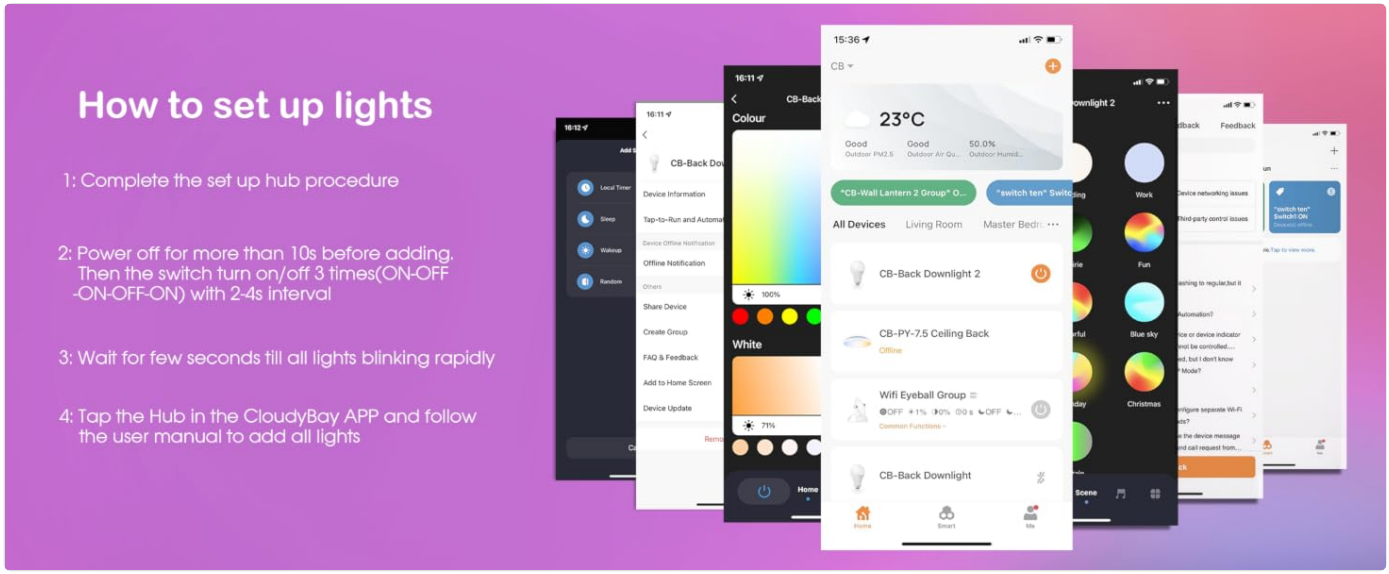


Image: Close-up view highlighting key design features: the baffle trim for reduced glare, upgraded snap springs for secure installation, and a durable die-cast aluminum frame for corrosion resistance.

2.2 Installation Steps

Follow these steps for proper installation of your recessed lights. Ensure power is off at the circuit breaker before beginning any electrical work.

1. **Step 1: Cut Hole.** Use the provided 1:1 hole template on the package to cut a 4-5/16 inch (110mm) hole in the ceiling.
2. **Step 2: Wire J-Box.** Open the J-Box. Feed supply wires into the knockout hole and make all necessary electrical connections using wire nuts (not included).
3. **Step 3: Insert J-Box.** Carefully insert the J-Box into the cut hole in the ceiling.
4. **Step 4: Install Fixture.** Hold the spring clips on the light fixture against the fixture body and gently guide the fixture into the ceiling until the clips snap securely into place.

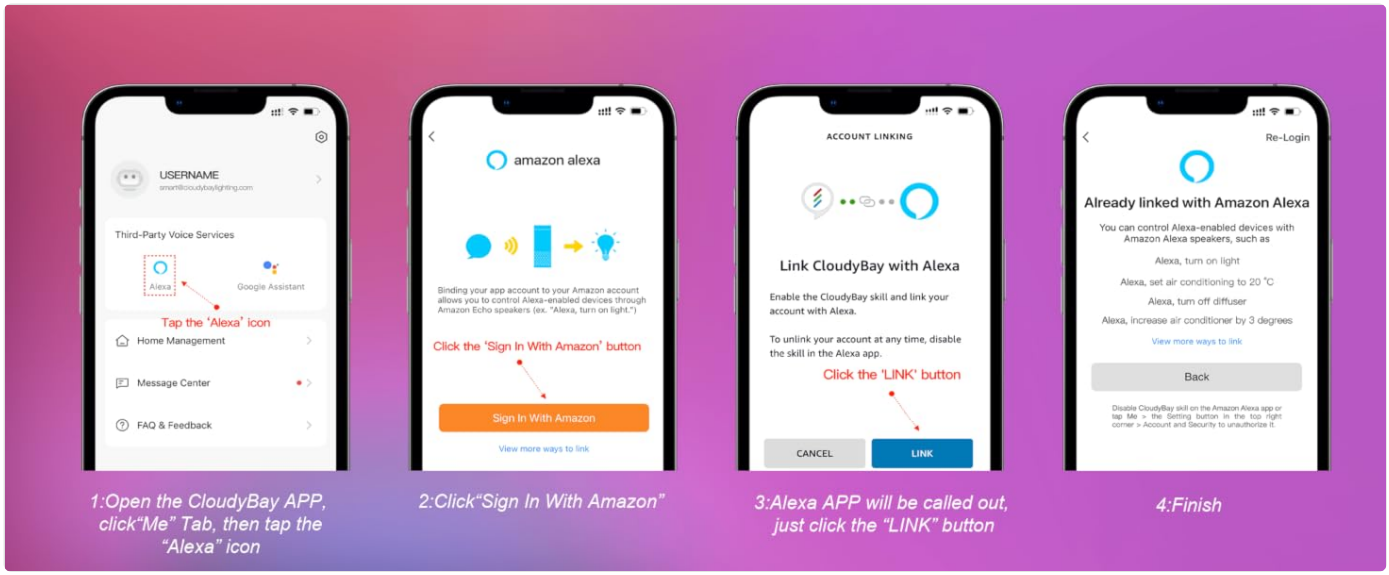


Image: Visual guide illustrating the four installation steps: cutting the hole, wiring the J-Box, inserting the J-Box, and securing the light fixture with spring clips.

2.3 Hub Setup

The included hub is essential for smart control features. Follow these steps to set up your hub:

1. **Step 1: Download App.** Download the CloudyBay APP from your device's App Store and complete the registration process.
2. **Step 2: Wi-Fi & Bluetooth.** Ensure your mobile device is connected to a 2.4GHz Wi-Fi network and that Bluetooth is turned on.
3. **Step 3: Press Button.** Press the button on the hub for 5 seconds until the LED indicator begins blinking.
4. **Step 4: Launch App.** Launch the CloudyBay APP and follow the on-screen instructions to add the hub*Note: Choose the same Wi-Fi network as your mobile device and ensure the password is correct.*



Image: Diagram showing the CloudyBay hub, its button, LED indicator, and a Wi-Fi router, illustrating the hub setup process.

2.4 Light Setup

Once the hub is set up, you can add your lights to the CloudyBay APP:

1. **Step 1: Complete Hub Setup.** Ensure the hub setup procedure is successfully completed.
2. **Step 2: Power Cycle Lights.** Power off the lights for more than 10 seconds. Then, switch the lights on/off 3 times (ON-OFF-ON-OFF-ON) with a 2-second interval between each toggle.
3. **Step 3: Wait for Blinking.** Wait a few seconds until the lights begin blinking rapidly.
4. **Step 4: Add in App.** Tap the Hub icon in the CloudyBay APP and follow the user manual within the app to add all your lights.



Image: Screenshots from the CloudyBay APP illustrating the process of adding lights after the hub setup, including the power cycle sequence and in-app device management.

3. Operating Instructions

3.1 APP Control

The CloudyBay APP provides comprehensive control over your smart recessed lights. You can precisely set the color temperature from 2700K (warm white) to 6500K (cool white) and choose from over 16 million colors for the RGB backlight.

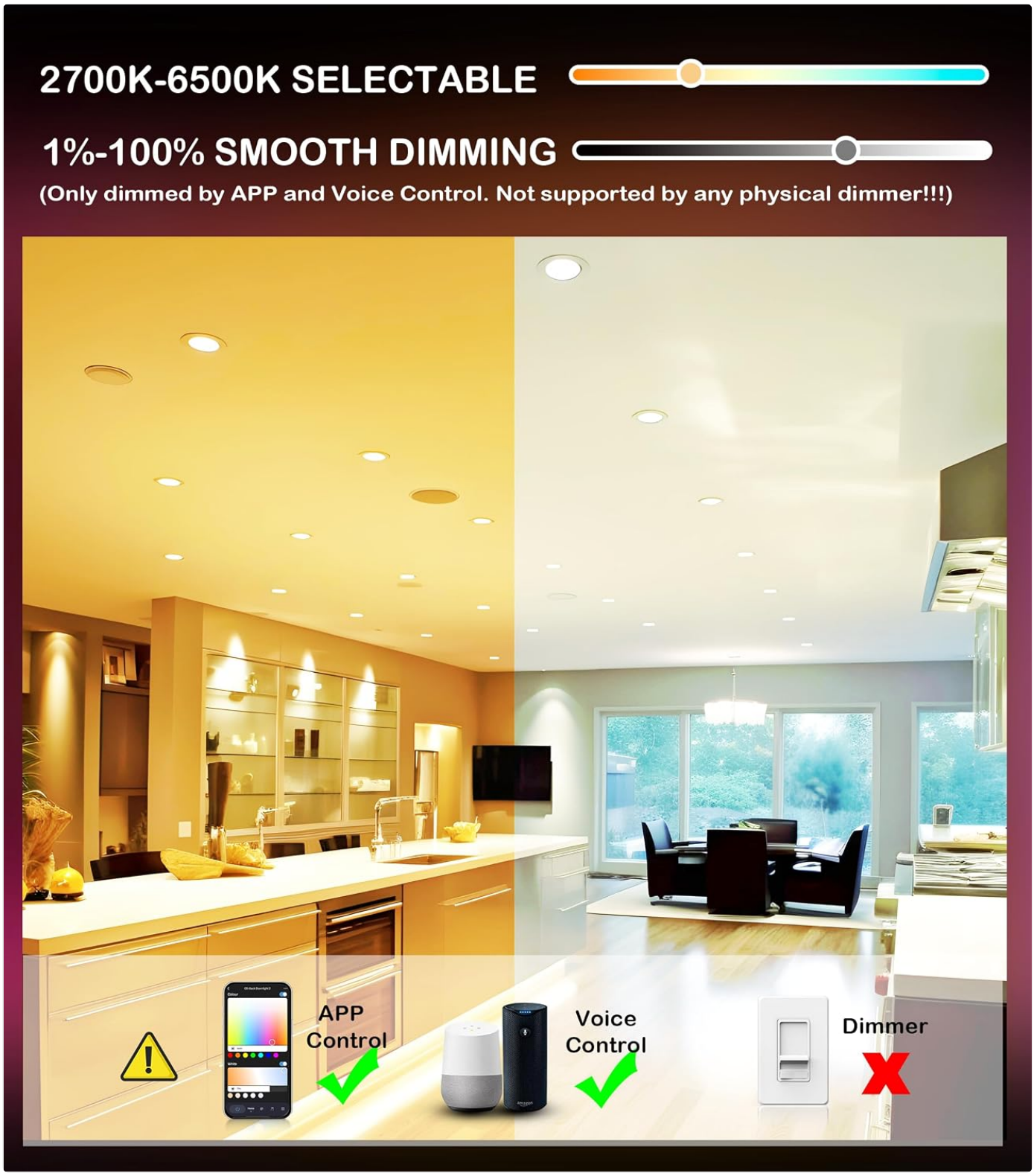


Image: A kitchen scene demonstrating the effect of different color temperatures (warm vs. cool white) and highlighting that APP control is supported for dimming and color changes. A warning indicates that physical dimmer switches are not compatible.

3.2 Voice Control

Integrate your lights with Amazon Alexa or Google Assistant for convenient voice control. A hub is required for this functionality.

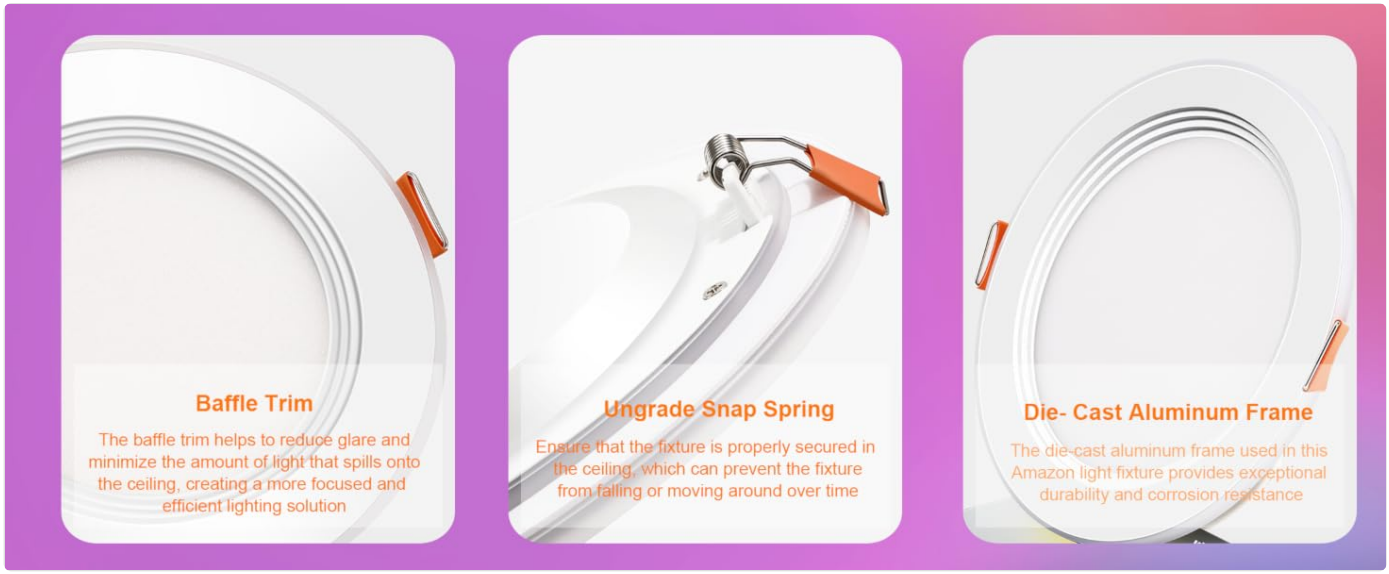


Image: A living room setting with smart speakers (Alexa and Google Home) demonstrating voice commands for controlling the main light (e.g., "Alexa, turn living room 1 to warm white") and the RGB backlight (e.g., "Alexa, turn living room 1 colorswitch to red"). A hub is shown as required and included.

Linking with Amazon Alexa:

1. **Step 1: Open CloudyBay APP.** Open the CloudyBay APP, click the "Me" tab, then tap the "Alexa" icon.
2. **Step 2: Sign In with Amazon.** Click the "Sign In With Amazon" button.
3. **Step 3: Link Account.** Alexa APP will be called out, just click the "LINK" button.
4. **Step 4: Finish.** The linking process is complete.



Image: A sequence of four mobile app screenshots detailing the steps to link your CloudyBay account with Amazon Alexa for voice control.

3.3 Color Changing and Dimming

The lights offer both CCT (Correlated Color Temperature) tunability for the front light and RGB adjustability for the backlight. These can work separately or simultaneously.

- **RGB Back Light:** Access 16+ million colors for the backlight.
- **Front Light (CCT):** Adjust white light from 2700K (warm) to 6500K (cool).
- **Smooth Dimming:** Achieve 1%-100% smooth dimming via APP and Voice Control.*Note: Not compatible with physical dimmer switches. Using a physical dimmer switch may affect the service life of the product.*



Image: A room with recessed lights displaying a gradient of RGB backlight colors, illustrating the wide range of color options available.

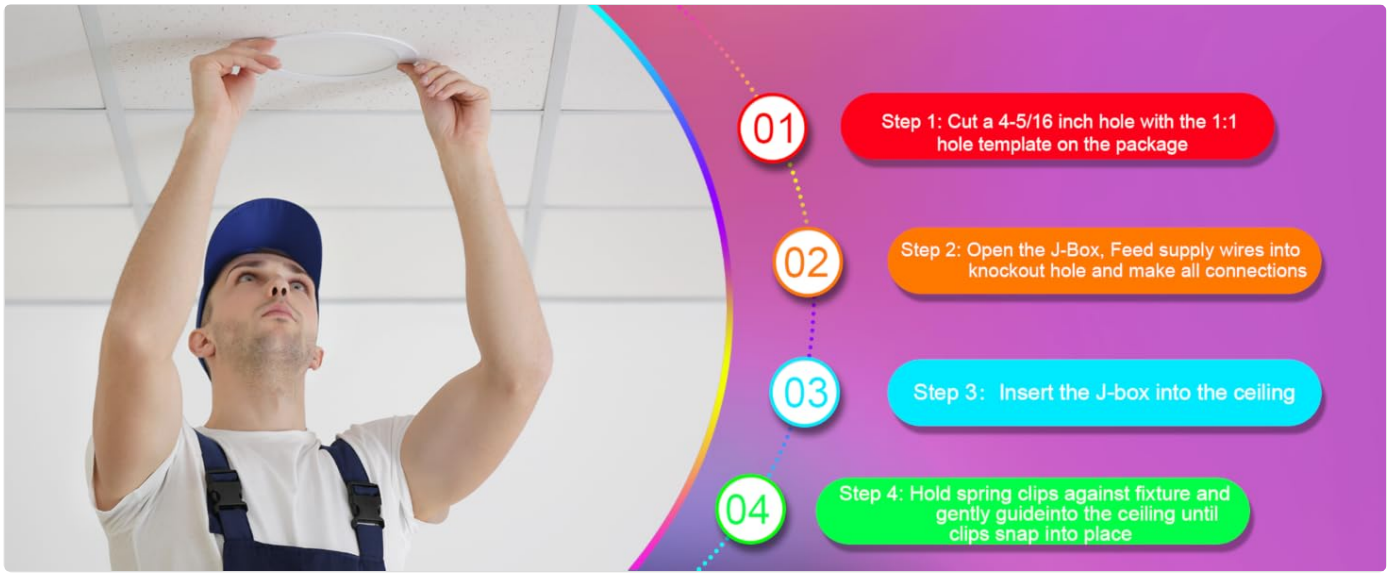


Image: A room with recessed lights showing simultaneous control of both the front light's color temperature (2700K-6500K) and the RGB backlight, demonstrating combined lighting effects.



Image: A visual representation of 1%-100% smooth dimming capability, explicitly showing a physical dimmer switch with a red 'X' to indicate its incompatibility with these smart lights.

3.4 Music Sync and Preset Scenarios

Enhance your environment with dynamic lighting effects that respond to music or fit specific moods.

- **Music Sync:** Experience immersive color changes that follow the rhythm of your music.
- **14 Scenes:** Utilize 14 pre-set lighting scenarios designed for various activities and moods, providing perfect lighting for any occasion.



Image: A group of people dancing in a room with colorful recessed lighting, illustrating the music sync feature where lights change with the music beats.



Image: Three individuals relaxing on a couch, looking at a phone, with colorful recessed lighting in the background, representing the 14 preset scenes available for different moods and activities.

3.5 Group Control and Scheduling

Manage multiple lights efficiently by grouping them and setting automated schedules.

- **Group Control:** Control multiple light fixtures with a single command. This is particularly useful for large spaces or rooms with several lights.
- **Timer/Schedule:** Set automatic lighting schedules, such as turning lights on at 6:00 PM and off at 11:00 PM. This feature is beneficial for energy saving and home security, especially when you are away.



Image: An illustration of a multi-story house with various rooms labeled as different lighting groups (e.g., Bedroom 1, Living Room), demonstrating how lights can be grouped for unified control.

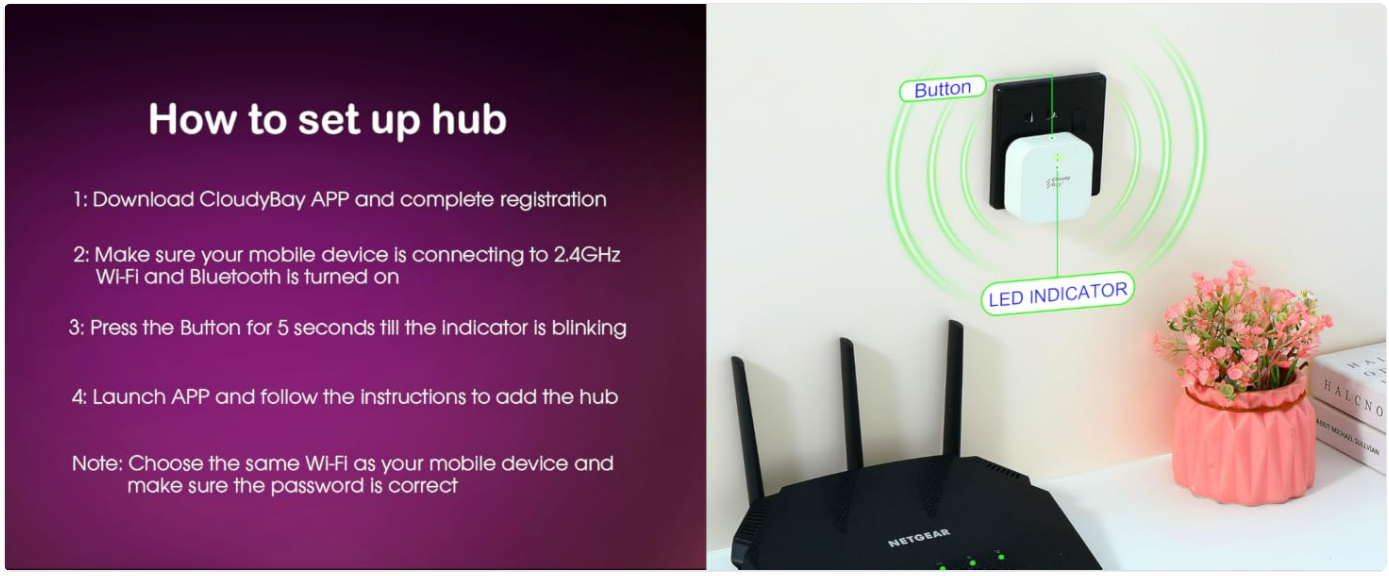


Image: A mother and child sleeping, with text indicating timer settings like "18:00 / Turn on" and "23:00 / Turn off," highlighting the convenience of automated lighting schedules.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your CLOUDY BAY Smart LED Recessed Lights.

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry cloth to wipe the surface of the light fixture. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- **Inspection:** Periodically inspect the light fixtures and wiring for any signs of damage, loose connections, or wear. If any issues are found, consult a qualified electrician for repair.
- **Environment:** While suitable for damp locations, avoid direct exposure to water or extreme humidity. Ensure proper ventilation around the fixtures.

5. Troubleshooting

This section addresses common issues you might encounter with your CLOUDY BAY Smart LED Recessed Lights.

Problem	Possible Cause	Solution
Lights do not respond to APP or voice commands.	Hub is not connected or set up correctly; lights are not paired; Wi-Fi connectivity issues; hub not powered.	Ensure the hub is powered on and its LED indicator is stable. Verify your mobile device and hub are connected to the same 2.4GHz Wi-Fi network. Re-attempt light setup (power cycle 3 times). Check if the hub is linked to Alexa/Google Assistant correctly.
Lights are strobing or flickering.	Incompatible dimmer switch; power fluctuations; pairing mode activated unexpectedly.	Ensure no physical dimmer switch is connected to the lights. These lights are only dimmable via the APP or voice control. If strobing occurs during setup, ensure the power cycle sequence is followed precisely. If random strobing occurs, try power cycling the lights or re-pairing them.
Lights make an electrical hum.	Loose wiring connection; internal component issue.	Ensure all wiring connections in the J-Box are secure. If the hum persists, discontinue use and contact customer support.
Cannot change color or brightness.	Not connected to APP; incorrect mode selected; physical dimmer interfering.	Confirm lights are successfully added to the CloudyBay APP. Ensure you are using the APP or voice commands for control, not a physical dimmer. Check if the light is in the correct mode (e.g., RGB backlight vs. CCT front light).
Lights lose connection frequently.	Weak Wi-Fi signal; too many devices on network; hub too far from router.	Ensure the hub is within good range of your 2.4GHz Wi-Fi router. Reduce interference from other wireless devices. Consider repositioning the router or hub.

6. Product Specifications

Detailed technical specifications for the CLOUDY BAY 4 Inch Smart LED Recessed Ceiling Light.

Specification	Detail
Brand	CLOUDY BAY
Model Name	LJD004BLWH-6PK
Size	4 Inch | White
Color	Rgbcw with Backlight
Material	Aluminum, Plastic
Product Dimensions	5.25"L x 5.25"W x 1.1"H
Item Weight	5.89 pounds (for 6-pack)
Power Source	Hardwired
Installation Type	Recessed

Specification	Detail
Light Source Type	LED
Wattage	10 watts
Voltage	120 Volts
Brightness	700 Lumen
Efficiency	70 lumens per watt
Color Temperature	2700K-6500K (Adjustable)
Special Features	Adjustable Color Temperature, Color Changing, Dimmable (APP/Voice)
Control Method	App, Voice (Amazon Alexa, Google Assistant)
Included Components	Hub
Certification	ETL Listed, FCC
CRI	90+
Water Resistance Level	Water Resistant (Suitable for damp location)

7. Warranty and Support

7.1 Warranty Information

CLOUDY BAY provides a **3-year warranty** for this product. This warranty covers defects in materials and workmanship under normal use.

7.2 Customer Support

If you have any questions, require assistance with installation, operation, or troubleshooting, or need to make a warranty claim, please contact CLOUDY BAY customer support. Refer to the product packaging or the official CLOUDY BAY website for the most current contact information.

When contacting support, please have your product model number (**LJD004BLWH-6PK**) and purchase details readily available to expedite the process.

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Question

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Details

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