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› CLOUDY BAY 3-Inch 5-Color Selectable Ultra-Thin LED Recessed Light Instruction Manual (Model LJD005WH5C-6PK)

CLOUDY BAY LJD005WH5C-6PK

CLOUDY BAY 3-Inch 5-Color Selectable Ultra-Thin LED Recessed Light Instruction Manual

Model: LJD005WH5C-6PK

1. INTRODUCTION

Thank you for choosing the CLOUDY BAY 3-Inch Ultra-Thin LED Recessed Light. This manual provides detailed instructions for the safe installation, operation, and maintenance of your new lighting fixtures. Please read this manual thoroughly before installation and retain it for future reference.

Package Contents

- 6 x 3-Inch Ultra-Thin LED Recessed Lights
- 6 x Junction Boxes
- Quick Connectors
- Cutting Template
- Installation Instruction Manual (this document)



Image 1.1: Overview of the CLOUDY BAY 3-inch ultra-thin LED recessed light and its accompanying junction box.

2. IMPORTANT SAFETY INFORMATION

To reduce the risk of fire, electric shock, or injury to persons, please observe the following safety precautions:

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Ensure all electrical connections are made correctly and securely.
- Do not use this product in wet locations. It is designed for indoor use only and is not water resistant.
- Do not alter or modify the fixture. Any alterations may void the warranty and create safety hazards.
- The fixture is IC Rated, meaning it is suitable for direct contact with insulation.

3. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	LJD005WH5C-6PK
Size	3 Inch
Wattage	8 Watts
Voltage	120 Volts

Feature	Specification
Brightness	420 Lumens
Color Temperature	2700K/3000K/3500K/4000K/5000K Selectable
CRI	90+
Material	Aluminum (Fixture), Acrylic (Shade)
Product Dimensions	3.25"L x 3.25"W x 0.87"H
Mounting Type	Ceiling Mount
Certification	ETL Listed, IC Rated
Warranty	3 Years Limited

DIMENSIONS



Image 3.1: Detailed dimensions of the recessed light and junction box, including the recommended 3-inch cut hole size.

4. INSTALLATION GUIDE

These ultra-thin LED recessed lights are designed for easy installation in new construction, remodel, or retrofit applications. No traditional recessed cans are required.

Tools Required (Not Included):

- Pencil
- Measuring Tape
- Drywall Saw or Hole Saw
- Wire Strippers
- Screwdriver

Installation Steps:

1. **Prepare the Ceiling:** Use the provided 1:1 cutting template to mark a 3-inch (75mm) diameter hole on the ceiling. Carefully cut the hole using a drywall saw or hole saw.
2. **Access Wiring:** Disconnect power at the circuit breaker. Open the junction box cover. Feed the supply wires (live, neutral, ground) into one of the four wiring knockouts on the junction box. Secure the wires using the included wire clamp.
3. **Make Electrical Connections:** Use the quick connectors inside the junction box to connect the house wiring to the fixture's wires. Connect the black (live) wire to the black wire, the white (neutral) wire to the white wire, and the bare copper or green (ground) wire to the green wire. Ensure all connections are secure.
4. **Position Junction Box:** Insert the wired junction box into the ceiling opening. The compact design allows it to fit easily into the ceiling space.
5. **Connect Fixture to Junction Box:** Connect the cable from the LED recessed light to the junction box. Ensure the connection is firm.
6. **Install the Light Fixture:** Hold the spring clips on the sides of the light fixture against the fixture body. Gently guide the fixture into the ceiling hole. The spring clips will snap into place, securing the light flush with the ceiling.

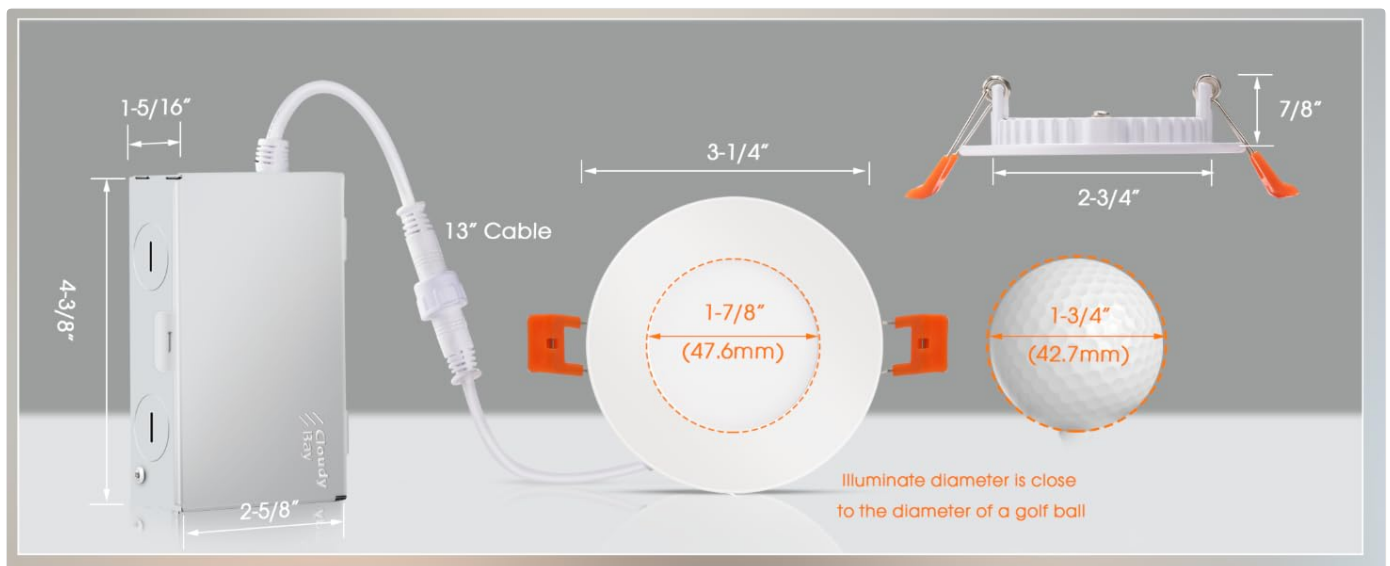


Image 4.1: Visual guide for the installation process, from cutting the hole to securing the fixture.

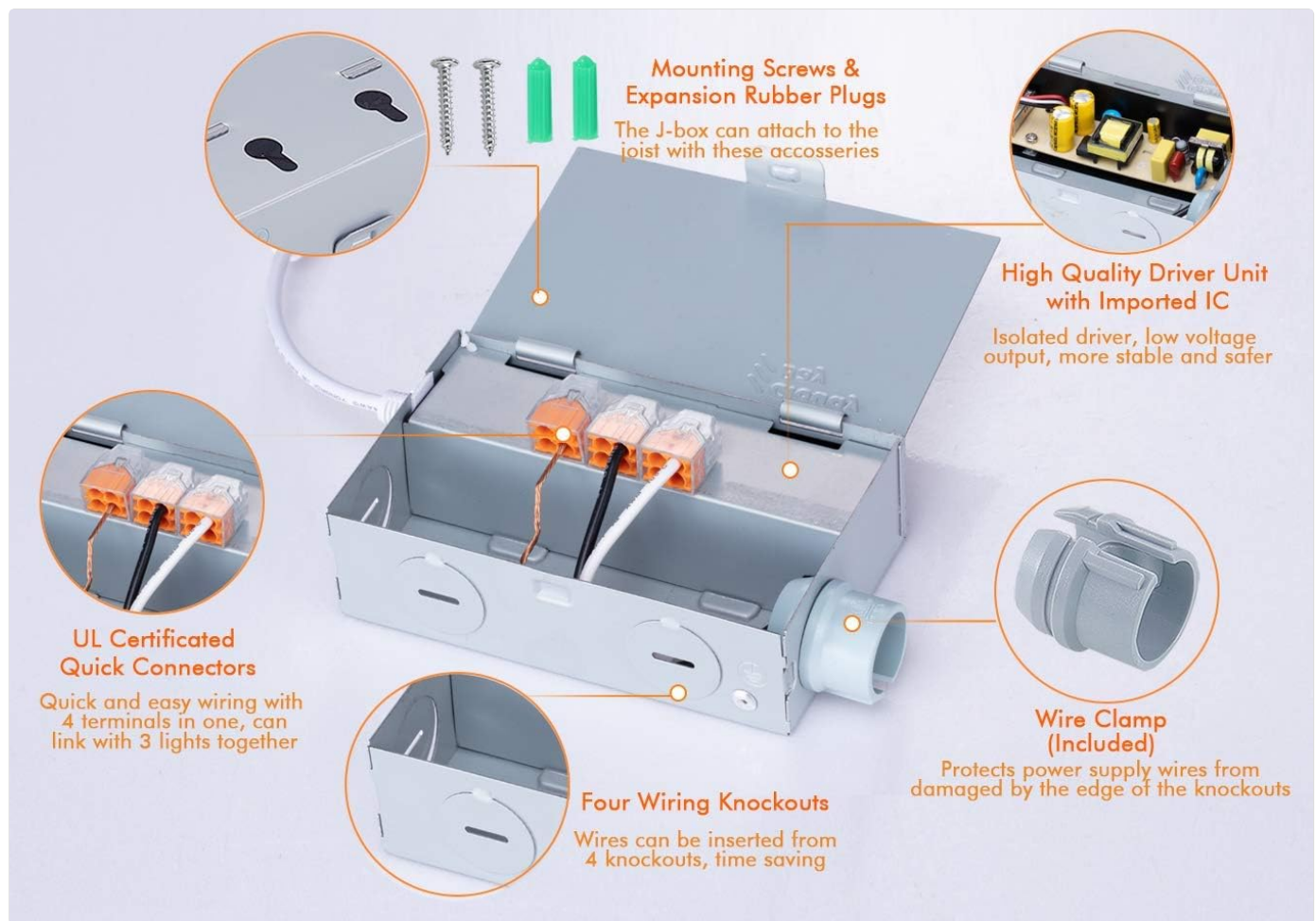


Image 4.2: Close-up of the junction box showing quick connectors for easy and secure wiring.

5. INITIAL SETUP: COLOR TEMPERATURE SELECTION

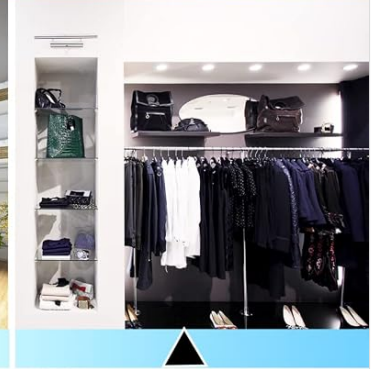
Your CLOUDY BAY recessed light features 5 selectable color temperatures (CCT) to suit various preferences and room ambiances. This setting is adjusted via a toggle switch located on the junction box.

1. **Locate the CCT Switch:** Before installing the junction box into the ceiling, locate the small toggle switch on the side of the junction box.
2. **Select Desired CCT:** Move the switch to select one of the five color temperature options: 2700K (Soft Warm Light), 3000K (Warm White), 3500K (Neutral White), 4000K (Cool White), or 5000K (Daylight).
3. **Test (Optional):** You may temporarily restore power to test the selected color temperature before fully securing the fixture. Remember to disconnect power again before proceeding with final installation.

COLOR TEMPERATURE

WARM <<<<
1000K

>>>> COLD
10000K



SOFT WARM LIGHT
2700K-3000K
Suitable for cozy and romantic place like coffee shop and home bar

WARM WHITE
3000K-3500K
Warm and relaxing, ideal for attic bedroom etc

COOL WHITE
4000K
Gives a neutral glow, suitable for daily activities

DAY LIGHT
5000K
Bright and clear, widely used for display, showcase to show details

2700K/3000K/3500K/4000K/5000K
5 color temperature in one fixture
meets your different needs



Image 5.1: Illustration of the 5 selectable color temperatures and the location of the CCT toggle switch on the junction box.

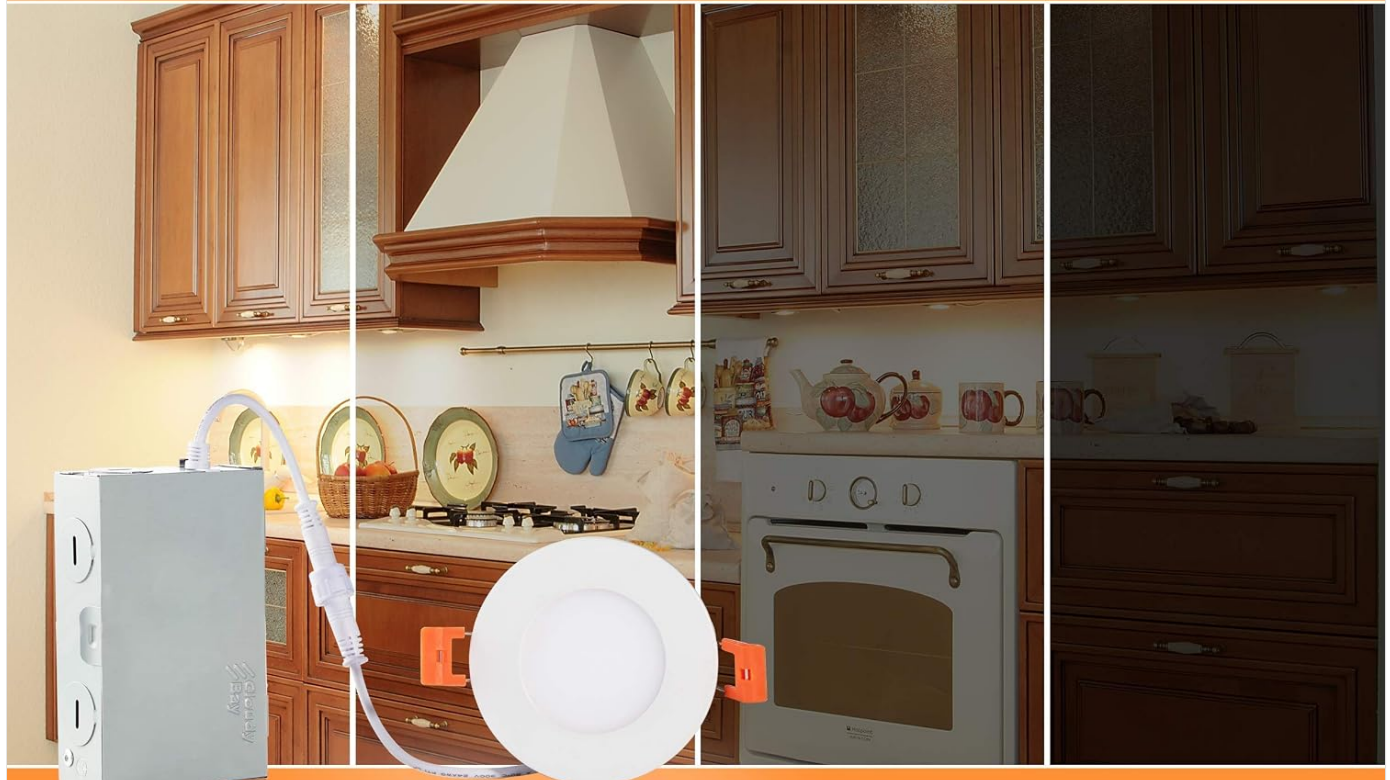
6. OPERATING INSTRUCTIONS

Once installed and powered, your CLOUDY BAY recessed lights are ready for use. These lights are dimmable, allowing you to adjust brightness levels.

Dimming Functionality:

- The fixture supports dimming from 10% to 100% brightness.
- For optimal performance, use with compatible LED dimmers. A list of compatible dimmers is often provided by the manufacturer or can be found on the product packaging/website.
- Ensure the dimmer switch is rated for LED lighting to prevent flickering or buzzing.

10%-100% DIMMABLE



Compatible Dimmers

Lutron: TGCL-153P, DVCL-153P, CTCL-153P, SCL-153P, DV-600P, TG600P, MACL-153M, PD-6WCL, LGCL-153P, S-600PR-WH, SELV-30OP(ELV), P-BDG-PKG 1W

Leviton: RNLO6 ,DSLO6, 6672, 6674,IPL06,TSL06, DW6HD, DW1KD, DSEO6(ELV)

Cloudy Bay: CBLD001WHA, CBLD001BK, CBLD003WH

Copper: DALO6P

Image 6.1: The recessed light's dimmable range (10%-100%) and examples of compatible dimmer brands and models.

7. MAINTENANCE

The CLOUDY BAY LED recessed lights require minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners, as they may damage the finish or electrical components.
- **Bulb Replacement:** These fixtures are integrated with LED chips and do not have replaceable bulbs. The entire unit is designed for a long operational lifespan.

8. TROUBLESHOOTING

If you encounter issues with your CLOUDY BAY recessed lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty fixture	Check circuit breaker; Verify all wire connections; Test with a known working fixture if possible.
Light flickers or buzzes	Incompatible dimmer switch; Loose wiring; Overloaded circuit	Ensure dimmer is LED compatible; Check wire connections; Reduce load on circuit.
Incorrect color temperature	CCT switch set incorrectly	Access the junction box and adjust the CCT toggle switch to the desired setting.
Light output is too dim/bright	Dimmer setting; CCT setting (perceived brightness)	Adjust the dimmer switch; Note that higher CCTs (e.g., 5000K) may appear brighter than lower CCTs (e.g., 2700K).

9. WARRANTY AND CUSTOMER SUPPORT

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

The warranty does not cover damage caused by improper installation, misuse, abuse, or use in wet locations. If you experience any issues with your product or have questions, please contact CLOUDY BAY customer support for assistance.

For warranty claims or technical support, please refer to the contact information provided on the product packaging or the official CLOUDY BAY website.

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

