

CLOUDY BAY LJD006WH3C

CLOUDY BAY 6-inch 3CCT Dimmable LED Recessed Light Instruction Manual

Model: LJD006WH3C

Introduction	Safety Information	Package Contents	Specifications	Setup	Operating
	Maintenance	Troubleshooting	Warranty & Support		

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CLOUDY BAY 6-inch 3CCT Dimmable LED Recessed Light. This ultra-thin LED downlight features selectable color temperatures (3000K, 4000K, 5000K), dimmable functionality (10%-100%), a high CRI 90+ rating, and is suitable for damp locations. It is designed for easy installation in retrofit, remodel, or new construction projects without the need for traditional junction boxes or cans.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.

- Read all instructions carefully before installation.
- Ensure the power supply is turned off before beginning any work.
- All electrical connections must be in accordance with local and National Electrical Code (NEC) standards.
- If you are not familiar with proper electrical wiring connections, consult a qualified electrician.
- Do not install in areas with direct water exposure unless specified. This product is rated for damp locations.
- Do not attempt to modify the fixture.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- LED Recessed Lights (12 units)
- Junction Boxes (12 units)
- Cutting Template
- Installation Instruction Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Brand	CLOUDY BAY
Model Number	LJD006WH3C
Size	6 Inch
Color Temperature	3000K / 4000K / 5000K Selectable
Wattage	15 Watts
Brightness	950 Lumens
CRI	90+
Dimmable	10%-100% (compatible with most LED dimmers)
Voltage	120 Volts
Lifespan	25,000 hours
Material	Metal
Installation Type	Recessed, Canless
Location Rating	Damp Location
Certifications	ETL listed, Type IC, Air Tight
Item Dimensions (L x W x H)	6.69"L x 6.69"W x 1"H
Item Weight	11.2 pounds (for 12-pack)

5. SETUP AND INSTALLATION

The CLOUDY BAY recessed light is designed for easy installation in various ceiling types. No traditional recessed cans are required.

5.1 Pre-Installation

1. Turn off power at the circuit breaker or fuse box.
2. Determine the desired location for each light fixture. Ensure there is sufficient clearance above the ceiling for the junction box and fixture.
3. Use the provided cutting template to mark the ceiling for the hole. The recommended cut hole size is 6-1/4 inches.

5.2 Wiring the Junction Box

1. Open the junction box cover.
2. Remove the appropriate knockout(s) for your electrical wiring.
3. Connect the electrical wires from the ceiling to the wires in the junction box using the provided wire connectors:
 - Connect the black (live) wire from the ceiling to the black wire in the junction box.
 - Connect the white (neutral) wire from the ceiling to the white wire in the junction box.
 - Connect the green or bare copper (ground) wire from the ceiling to the green wire in the junction box.
4. Ensure all connections are secure. Close the junction box cover.

5.3 Installing the Light Fixture

1. Connect the cable from the light fixture to the junction box. Ensure the connection is firm.
2. Before inserting the fixture, select your desired color temperature (3000K, 4000K, or 5000K) using the CCT toggle switch located on the side of the junction box. (Refer to Section 6.1 for details).
3. Gently push the spring clips on the sides of the light fixture upwards.
4. Insert the light fixture into the ceiling hole. The spring clips will automatically secure the fixture in place.
5. Ensure the fixture is flush with the ceiling surface.

PRODUCT DIMENSION



Image: Diagram showing the dimensions of the 6-inch recessed light and its junction box, including the recommended 6-1/4 inch cut hole size.

3 CCT SELECTABLE



Image: Close-up of the CCT toggle switch on the junction box, illustrating the 3000K (Warm White), 4000K (Cool White), and 5000K (Day Light) options.

Video: An official product video demonstrating the features and installation process of the Cloudy Bay 3 Color LED Recessed Light, including the junction box connection and direct connector.

6. OPERATING INSTRUCTIONS

6.1 Color Temperature Selection (CCT)

Your CLOUDY BAY recessed light offers three selectable color temperatures: 3000K (Warm White), 4000K (Cool White),

and 5000K (Day Light). To change the color temperature, locate the toggle switch on the side of the junction box. Adjust the switch to your desired setting before installing the fixture into the ceiling.

3 CCT SELECTABLE



3000K
Warm White

4000K
Cool White

5000K
Day Light

CCT Toggle Switch



3000K

4000K

5000K

Image: Close-up of the CCT toggle switch on the junction box, illustrating the 3000K (Warm White), 4000K (Cool White), and 5000K (Day Light) options, along with examples of each color temperature in different room settings.

6.2 Dimming Functionality

The CLOUDY BAY recessed light is dimmable from 10% to 100% brightness. It is compatible with most LED dimmers. For optimal performance, especially if you require a wide dimming range, an ELV (Electronic Low Voltage) dimmer is highly recommended.

SMOOTH DIMMING

100%
Brightness

10%
Brightness

Compatible with most dimmer in the market
Match with CloudyBay dimmer series

CBLD001WH CBLD003WHA

CBLD001A CBLD006WH



Image: Visual representation of the smooth dimming capability, showing a range from 10% to 100% brightness, and examples of compatible dimmer switches.

6.3 Compatible Dimmer List

For best dimming performance, refer to the following list of tested compatible dimmers. While the fixture works with most LED dimmers, using one from this list can ensure optimal results.

LJD006WH3C-XX Dimmer List



Ref	Brand	Model	Description	Dimming Range	Note
1	Lutron Skylark C-L	CTCL-153P	Incandescent/CFL/LED	6.7W-84W	Excellent
2	Lutron Skylark C-L	SCL-153P	Incandescent/CFL/LED	6.5W-84W	Excellent
3	Lutron DIVA	DV-600P	Incandescent	6W-86W	Good
4	Lutron Caseta	PD-6WCL	Incandescent/CFL/LED	7.7W-80W	Excellent
5	Leviton	RNL06	Incandescent/CFL/LED	10W-89W	Good
6	Cloudy Bay	CBLD001WH	Incandescent/CFL/LED	18W-88W	Good
7	Lutron	TG6000P	Incandescent	5W-88W	Good
8	Lutron Mastro C-L	MACL-153M	Incandescent/CFL/LED	7.5W-78W	Excellent
9	Lutron Lumea C-L	LGCL-153P	Incandescent/CFL/LED	6W-84W	Excellent
10	Leviton	DSL06	Incandescent/CFL/LED	6.4W-87W	Excellent
11	Lutron Diva	DVCL-153P	Incandescent/CFL/LED	4.3W-85W	Excellent
12	Lutron	TGCL-153P	Incandescent/CFL/LED	4W-85W	Excellent
13	Lutron Skylark	S-600PR-WH	Incandescent	6W-86W	Excellent
14	Cooper	DAL06P	Incandescent/CFL/LED	5.8W-88W	Excellent
15	Leviton SURESLIDE	6674	Incandescent/CFL/LED	17W-87W	Good
16	Leviton	6672	Incandescent/CFL/LED	14.5W-89W	Excellent
17	Leviton ILLUMATECH	IPL06	Incandescent/CFL/LED	15.4W-87W	Good
18	Leviton SSL-7A	TSL06	Incandescent/CFL/LED	8.4W-88W	Good
19	Tenia	DNA052M2B-W-300	Incandescent/CFL/LED	8.7W-82.9W	Good
20	Leviton	DW6HD(WI-FI)	Incandescent/CFL/LED	12W-90W	Good
21	GE	18021	Incandescent/CFL/LED	14W-88W	Good
22	Cloudy Bay	CBLD003WH	Incandescent/CFL/LED	10.5W-84W	Good

Tip* Not fully compatible with Lutron-Caseta PD-6WCL-XX, please consult Lutron or buy a Lutron-LUT-MLC if you use the dimmer

This Dimmer List is Base on the Test of 6-Pack

Image: A table listing various dimmer brands and models, their descriptions (Incandescent/CFL/LED), dimming ranges, and performance notes (Excellent/Good).

Note: If using Lutron-Caseta PD-6WCL-XX, consult Lutron or purchase a Lutron-LUT-MLC dimmer. This dimmer list is based on tests with a 6-pack of lights.

7. MAINTENANCE

The CLOUDY BAY LED Recessed Light is designed for long-lasting, maintenance-free operation. The integrated LED chips are not replaceable.

- **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.

- **No Bulb Replacement:** This fixture uses integrated LED technology, meaning there are no bulbs to replace.

8. TROUBLESHOOTING

If you experience issues with your CLOUDY BAY LED Recessed Light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty fixture	Check circuit breaker; Verify all wire connections are secure; Contact customer support if issue persists.
Light flickers or dims inconsistently	Incompatible dimmer; Loose wiring; Overloaded circuit	Ensure dimmer is LED compatible (ELV recommended); Check wiring connections; Reduce load on circuit or consult an electrician.
Incorrect color temperature	CCT switch set incorrectly	Turn off power, remove fixture, and adjust the CCT toggle switch on the junction box to the desired setting.

9. WARRANTY & SUPPORT

9.1 Warranty Information

CLOUDY BAY provides a **3-year warranty** for this product. This warranty covers defects in materials and workmanship under normal use and service for a period of three years from the date of purchase. The rated lifespan of the LED is 25,000 hours (average 3-5 hours/day).

If the product fails within the warranty period, CLOUDY BAY will provide a replacement or repair at its discretion. This warranty does not cover damage caused by improper installation, accident, abuse, misuse, or acts of nature.

9.2 Customer Support

For warranty claims, technical assistance, or any questions regarding your CLOUDY BAY LED Recessed Light, please contact our customer support team. We are committed to providing easy and fast replacements and support.

Please refer to the contact information provided on the product packaging or the official CLOUDY BAY website for the most up-to-date support details.

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