

LUXRITE LR23734-4

LUXRITE 4 Inch Ultra Thin LED Recessed Light Instruction Manual

Model: LR23734-4

1. INTRODUCTION

Thank you for choosing the LUXRITE 4 Inch Ultra Thin LED Recessed Light. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting fixture. Please read these instructions thoroughly before installation and retain them for future reference.



Image 1.1: Overview of the LUXRITE 4 Inch Ultra Thin LED Recessed Light and included junction box.

2. SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing. All electrical connections must be in accordance with local and National Electrical Code (NEC) standards. If you are unfamiliar with proper electrical wiring connections, consult a qualified electrician.

- Do not install in locations where the operating temperature exceeds the fixture's rated temperature.
- Ensure all wiring is properly secured and insulated.
- This fixture is suitable for damp locations and IC (Insulation Contact) rated, meaning it can be in direct contact with insulation.
- Do not modify the fixture or its components.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LUXRITE 4 Inch Ultra Thin LED Recessed Light(s)
- Junction Box(es)
- Spring Loaded Clips (pre-attached to light fixture)
- Wire Nuts

4. SETUP AND INSTALLATION

Follow these steps for proper installation:

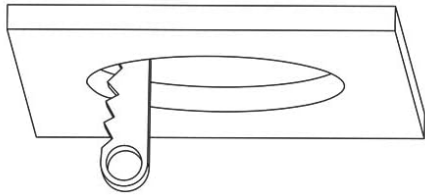
1. **Turn Off Power:** Ensure power is disconnected at the circuit breaker or fuse box before starting installation.
2. **Cut Hole:** Cut a 4-1/4 inch diameter hole in the ceiling at the desired location. Ensure there is at least 2 inches of clearance above the ceiling for the fixture and junction box.
3. **Open Junction Box:** Open the cover of the provided junction box. Remove the appropriate knockout(s) for your electrical supply cable.
4. **Wire Connections:** Insert the electrical supply cable into the junction box through the knockout. Connect the wires using the provided wire nuts:
 - Connect the black wire from the supply to the black wire of the junction box.
 - Connect the white wire from the supply to the white wire of the junction box.
 - Connect the ground wire from the supply to the green wire of the junction box.

Ensure all connections are secure.

5. **Close Junction Box:** Securely close the junction box cover.
6. **Connect Downlight:** Connect the cable from the LED downlight to the cable extending from the junction box. Ensure the connectors click securely into place.
7. **Insert Junction Box:** Carefully push the wired junction box through the cut-out hole into the ceiling.
8. **Insert Downlight:** Push the spring clips on the LED downlight upwards. Insert the downlight into the ceiling hole. Release the clips to secure the fixture flush against the ceiling.
9. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

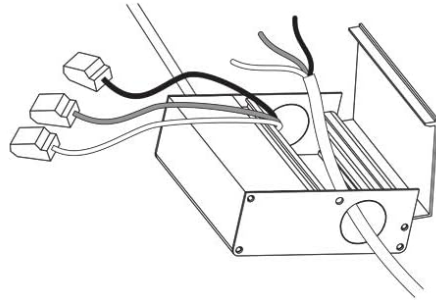
EASY INSTALLATION

1



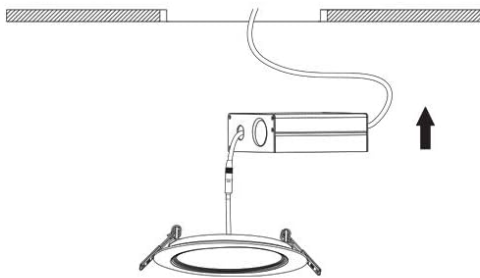
Cut 4-1/4 inch diameter hole in the ceiling for installation.

2



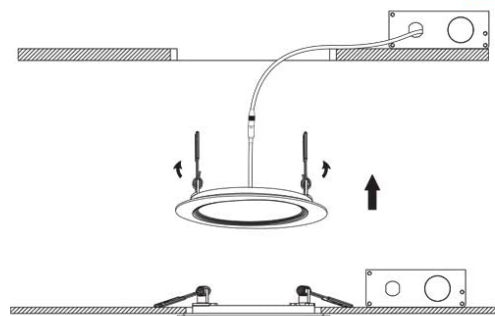
Appropriately wire electrical supply cable to jbox cable.

3



Connect downlight to jbox and then insert jbox through hole.

4



Push spring clips up and insert downlight into hole. Done!

Image 4.1: Step-by-step installation guide for the recessed light.

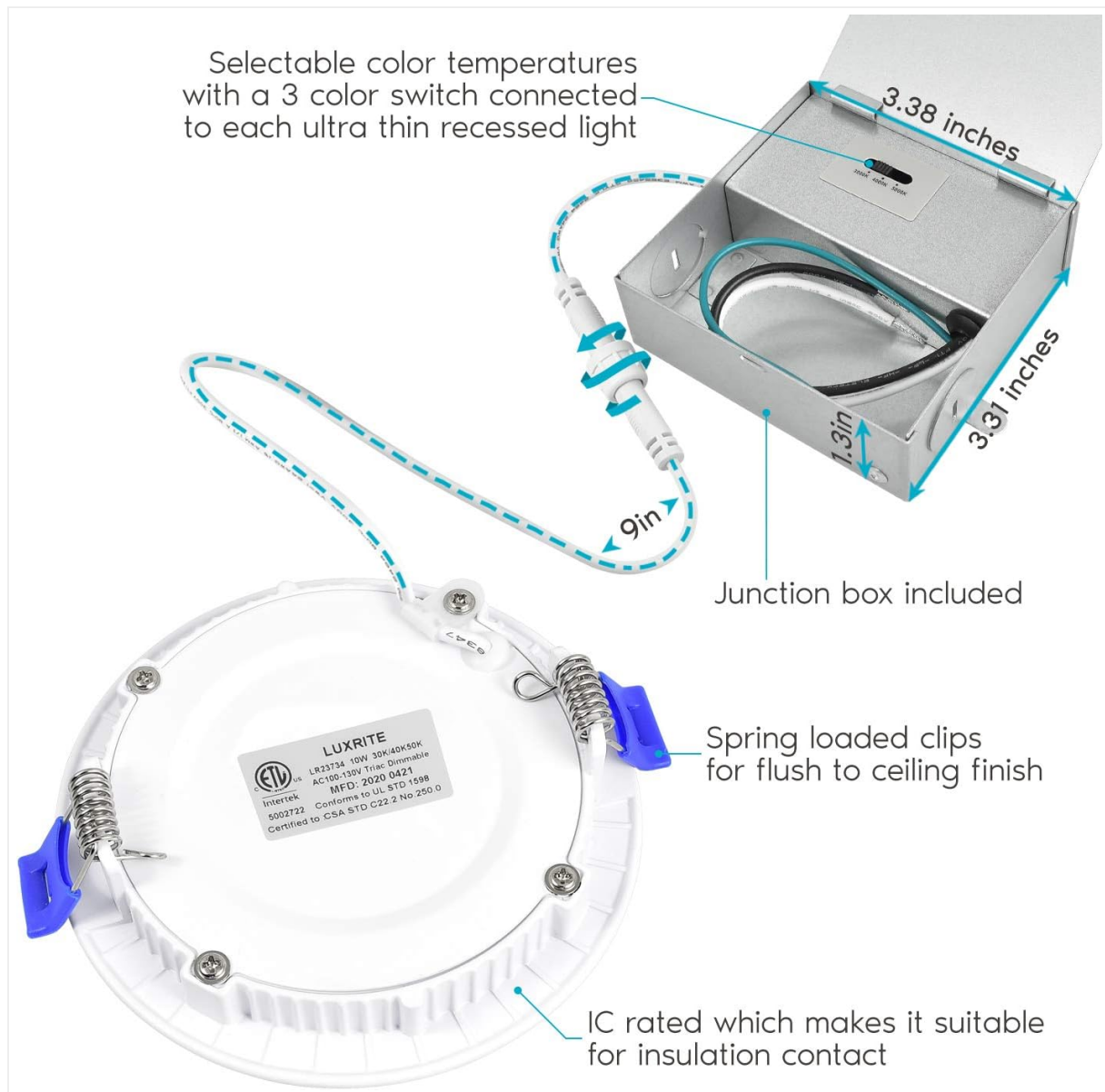


Image 4.2: Detailed view of the light fixture and junction box, highlighting dimensions and IC rating.

5. OPERATING INSTRUCTIONS

5.1 Color Temperature Selection (CCT)

Your LUXRITE recessed light features a selectable color temperature switch located inside the junction box. Before closing the junction box during installation, or by carefully opening it if already installed, you can choose from three color temperatures:

- **3000K (Soft White):** A warm, inviting light suitable for living rooms and bedrooms.
- **4000K (Cool White):** A neutral, balanced light ideal for kitchens, offices, and task lighting.
- **5000K (Bright White):** A crisp, energetic light often used in utility areas, garages, or for maximum brightness.

Simply slide the switch to your desired color temperature setting. Once set, close the junction box.



3 Color Options

3000K / 4000K / 5000K

Decorate your space with the perfect recessed lighting solution that offers 3 color temperatures that you can choose from in only 1 lighting fixture.



Image 5.1: Visual representation of the three selectable color temperatures in a kitchen environment.

AMBIANCE | Choose various colors throughout your home for different atmospheres

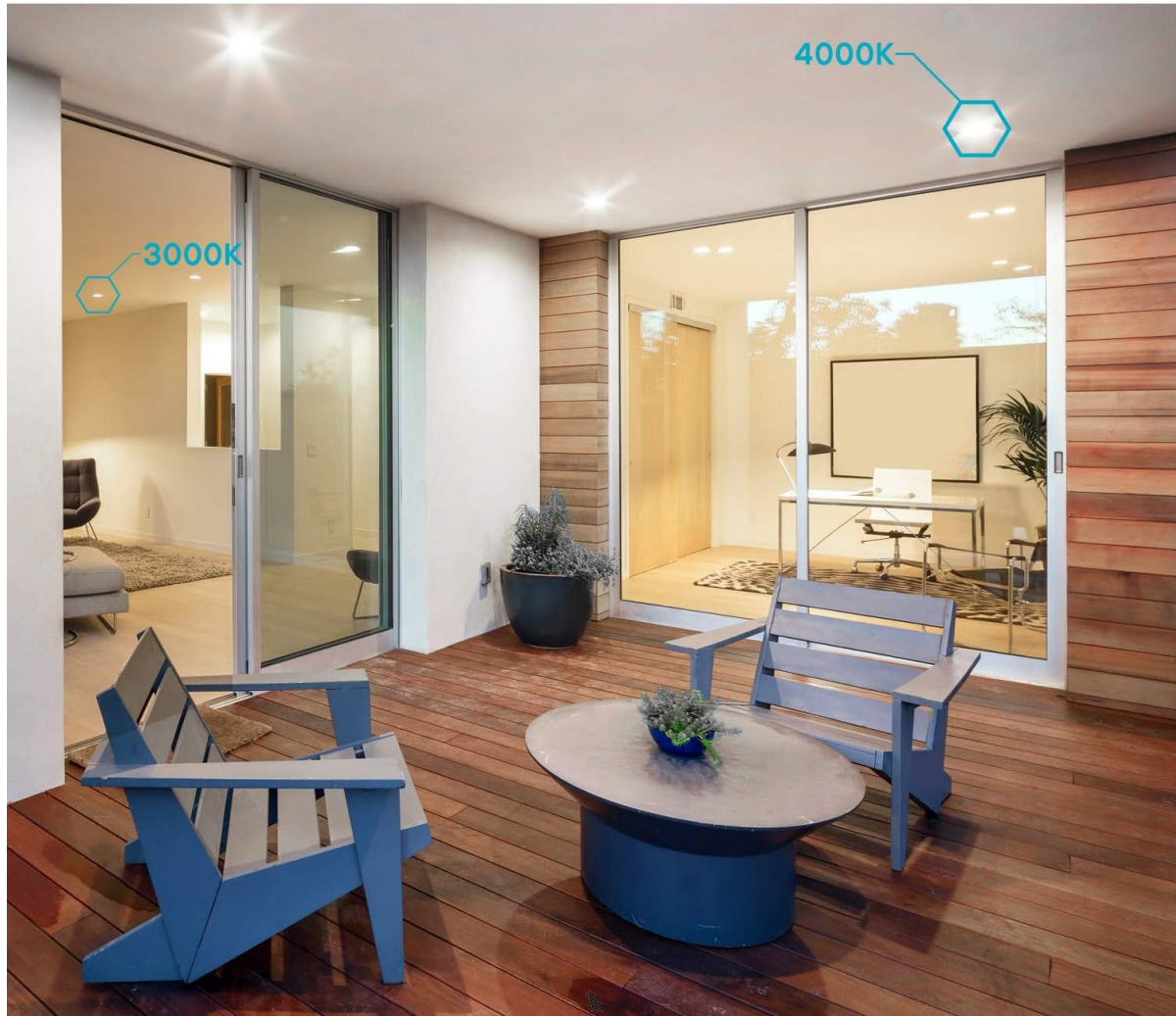


Image 5.2: Example of 3000K and 4000K color temperatures creating different ambiances in an outdoor setting.

5.2 Dimming Functionality

This LED recessed light is dimmable from 100% down to 10% output. To utilize the dimming feature, ensure you are using a compatible LED dimmer switch. Refer to the specifications section for a list of compatible dimmer models.

6. MAINTENANCE

The LUXRITE LED recessed light requires minimal maintenance. To clean the fixture:

- Ensure power is turned off at the circuit breaker before cleaning.
- Allow the fixture to cool completely if it has been in operation.
- Wipe the fixture with a soft, dry, or slightly damp cloth.
- Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish or electrical components.

7. TROUBLESHOOTING

If you experience issues with your LUXRITE LED recessed light, 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/fuse; Verify all wire connections are secure; Test fixture with known working power source.
Light flickers	Incompatible dimmer switch; Loose wiring; Voltage fluctuations	Ensure dimmer is LED compatible (refer to Section 8); Check wiring connections; Consult an electrician for voltage issues.
Light is too dim or too bright	Incorrect CCT setting; Dimmer setting	Adjust the CCT switch inside the junction box; Adjust the dimmer switch to the desired brightness level.

8. SPECIFICATIONS

Feature	Detail
Brand	LUXRITE
Model Number	LR23734-4
Size	4 Inch
Wattage	10 Watts
Brightness	700 Lumens
Color Temperature	3000K / 4000K / 5000K Selectable
Dimmable	Yes (10% - 100%)
Voltage	120 Volts
Beam Angle	110 Degrees
Lifetime	50,000 Hours
Certifications	ETL Listed, IC Rated, Damp Rated
Material	Metal, Plastic
Product Dimensions	4.81 x 4.81 x 1.02 inches
Installation Type	Flush Mount

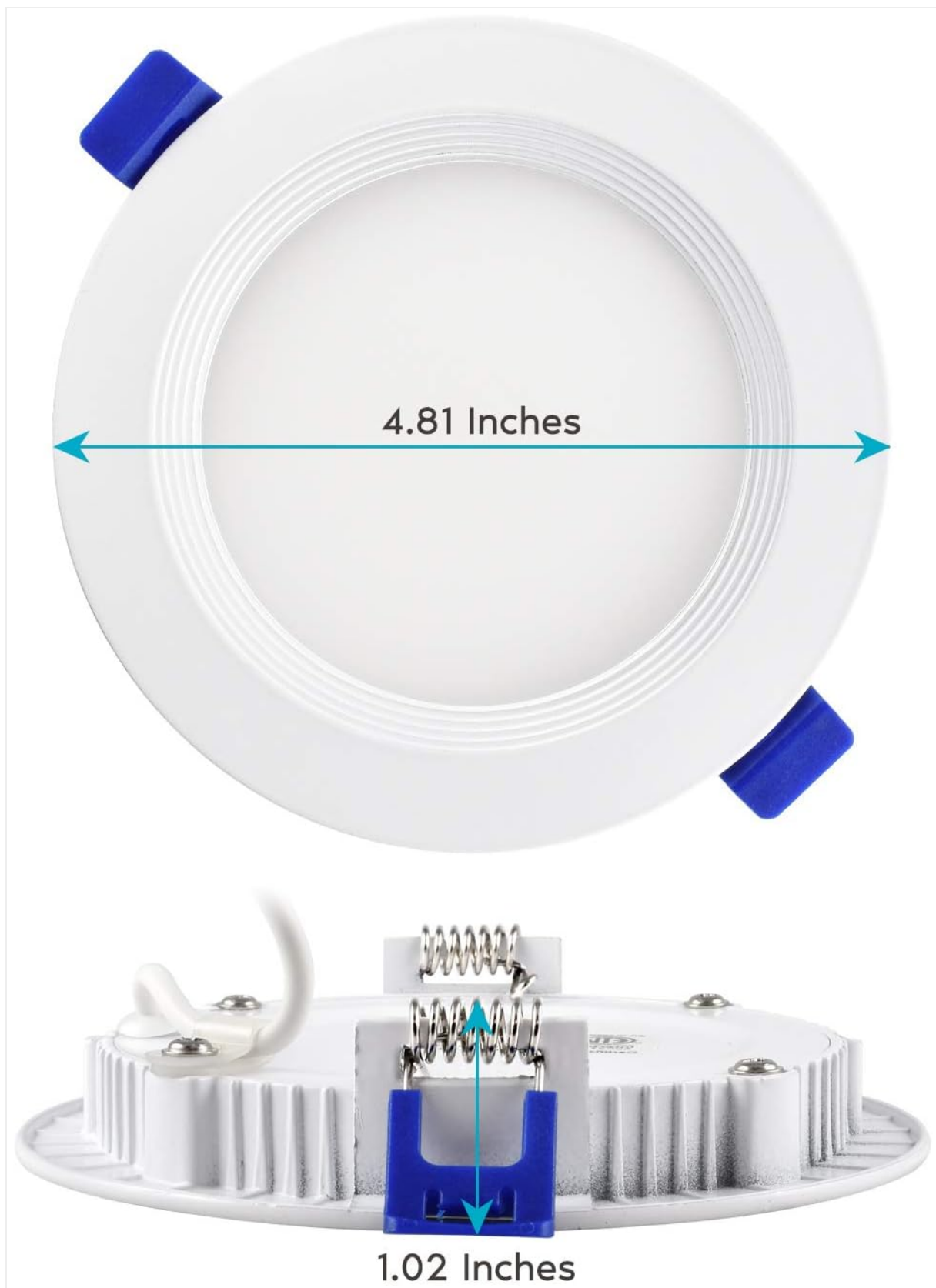
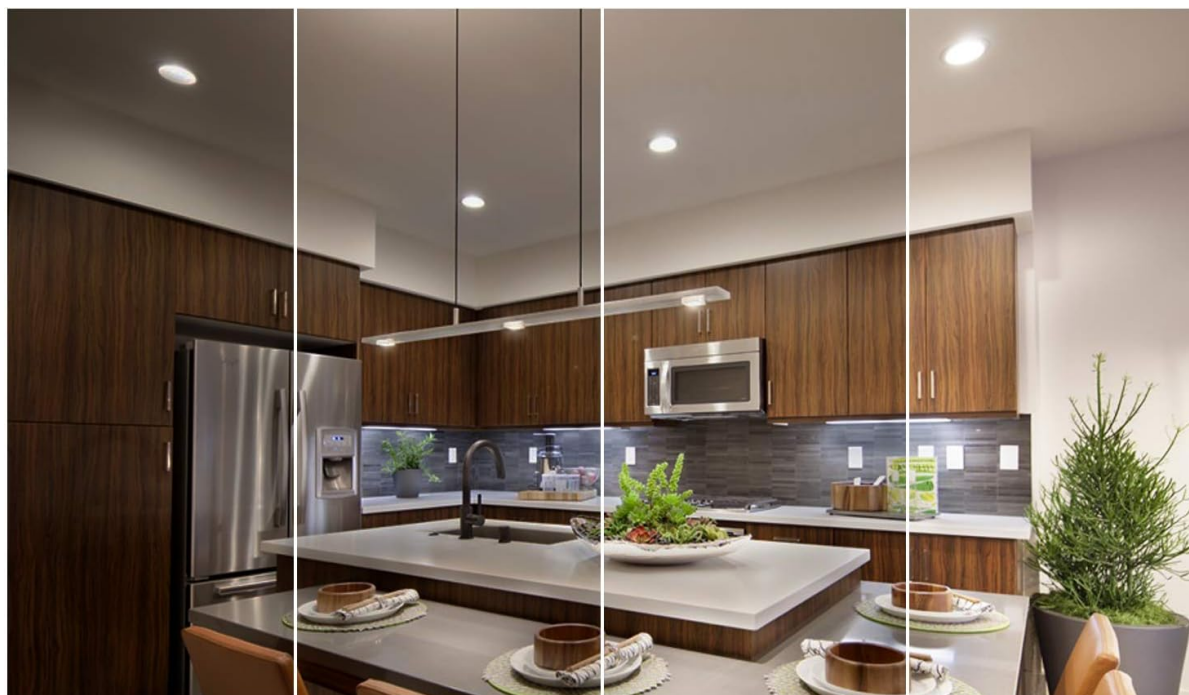


Image 8.1: Physical dimensions of the LUXRITE 4 Inch Ultra Thin LED Recessed Light.

8.1 Compatible Dimmer List

For optimal dimming performance, use the following compatible dimmer models:



COMPATIBLE DIMMER LIST

3 CCT MINI PANEL			
LR23734		LR23735	
LR23736		LR23737	
BRAND	LUTRON		LEVITON
MODEL	CTCL-153P		6672
	DVCL-153P		6674
	S-600P		
	SLV-600P		
	CN-600P		
	DVWCL-153P		
	CTCL-153PR		
	DVCL-153PR		

*The presence of a dimmer on this chart is not a guarantee of the compatibility of the bulb in any particular installation. Absence of a dimmer on this chart does not imply incompatibility. Please reference the dimmer manufacturer's instructions for installation and further information.

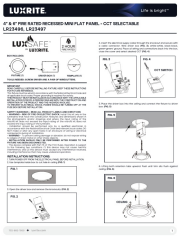

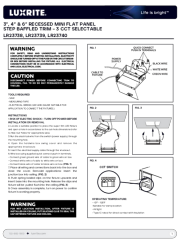

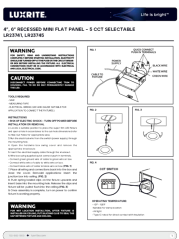
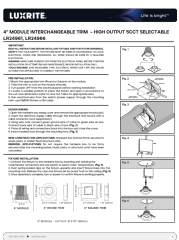
Image 8.2: List of compatible dimmer switches for LUXRITE recessed lights.

Note: The presence of a dimmer on this chart is not a guarantee of compatibility of the bulb in any particular installation. Absence of a dimmer on this chart does not imply incompatibility. Please reference the dimmer manufacturer's instructions for installation and further information.

9. WARRANTY AND SUPPORT

This LUXRITE product is covered by a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official LUXRITE website. If you require technical assistance or have questions regarding your product, please contact LUXRITE customer support. For further assistance, please visit the [LUXRITE Store on Amazon](#).

Related Documents - LR23734-4

	<p>Luxrite 4" & 6" Fire Rated Recessed Mini Flat Panel Light - CCT Selectable Installation Guide</p> <p>Installation guide for the Luxrite LR23496 and LR23497 4-inch and 6-inch fire-rated recessed mini flat panel lights. Learn how to safely install your CCT selectable fixture.</p>
	<p>Luxrite LED Lay-In Backlit Flat Panel: 5CCT & Wattage Selectable</p> <p>Explore the Luxrite LED Lay-In Backlit Flat Panel series, featuring 5CCT color temperature and wattage selectability. Available in 1x4', 2x2', and 2x4' sizes, these sensor-ready fixtures offer energy efficiency, dimmability, and are IC rated for damp locations, backed by a 5-year warranty.</p>
	<p>Luxrite 3", 4", & 6" Recessed Mini Flat Panel Trim Installation Guide</p> <p>Comprehensive installation guide for Luxrite's 3, 4, and 6-inch recessed mini flat panel step baffled LED trims with 3 CCT selectable options (LR23738, LR23739, LR23740). Includes safety warnings, tools required, step-by-step instructions, and product specifications.</p>
	<p>Luxrite LR24920 4-Inch 5 CCT Trimless Recessed Downlight Installation Guide</p> <p>Comprehensive installation guide for the Luxrite LR24920 4-inch 5 CCT trimless recessed LED downlight. Provides detailed steps for pre-installation, driver wiring, and fixture mounting, along with safety precautions and dimensions.</p>
	<p>Luxrite 4" & 6" Recessed Mini Flat Panel - 5 CCT Selectable Installation Guide</p> <p>Comprehensive installation guide for Luxrite 4-inch and 6-inch Recessed Mini Flat Panel LED lights (LR23741, LR23745). Covers safety warnings, required tools, step-by-step installation procedures, and product specifications including CCT selection and operating conditions.</p>
	<p>Luxrite 4" Module Interchangeable Trim Installation Guide - LR24961, LR24966</p> <p>Detailed installation instructions and specifications for the Luxrite 4" Module Interchangeable Trim, High Output 5CCT Selectable LED downlight (models LR24961, LR24966). Learn how to safely install and wire this versatile lighting fixture.</p>