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TRAMSMART RCL-6P

TRAMSMART 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light User Manual

Brand: TRAMSMART | Model: RCL-6P

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your TRAMSMART 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Lights. These lights feature selectable color temperatures (2700K, 3000K, 3500K, 4000K, 5000K) and are dimmable from 5% to 100%. Please read this manual thoroughly before installation and retain it for future reference.



Image 1.1: Overview of the TRAMSMART 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light, showing its ultra-thin profile and the 5CCT feature.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation 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 modify the fixture. Any modifications may void the warranty and create safety hazards.
- The fixture is **IC Rated**, allowing direct contact with insulation in the ceiling.
- The fixture is **IP44 Waterproof**, suitable for damp locations like bathrooms, but not for direct water immersion.



Image 2.1: The recessed light demonstrating its IP44 waterproof rating, suitable for environments like bathrooms.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before installation.

- 6 x 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light Fixtures with integrated junction boxes.

4. SPECIFICATIONS

Feature	Specification
Brand	TRAMSMART
Model Number	RCL-6P
Size	6 inch

Feature	Specification
Wattage	12 Watts
Brightness	1050 Lumens
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K (Selectable)
Voltage	110-130V AC
Material	Aluminum
Special Feature	Dimmable (5%-100%)
Water Resistance Level	IP44 (Water Resistant)
Certifications	ETL Certified, IC Rated
Lifespan	50,000 Hours
Product Dimensions	11.4" L x 8.07" W x 7.48" H (Package)
Item Weight	5.04 pounds (for 6-pack)

▲ Bright and Slim

▲ Updated led chips with higher lumens and lower power.

90+ CRI

PRODUCT DIMENSIONS

Excellence in details.

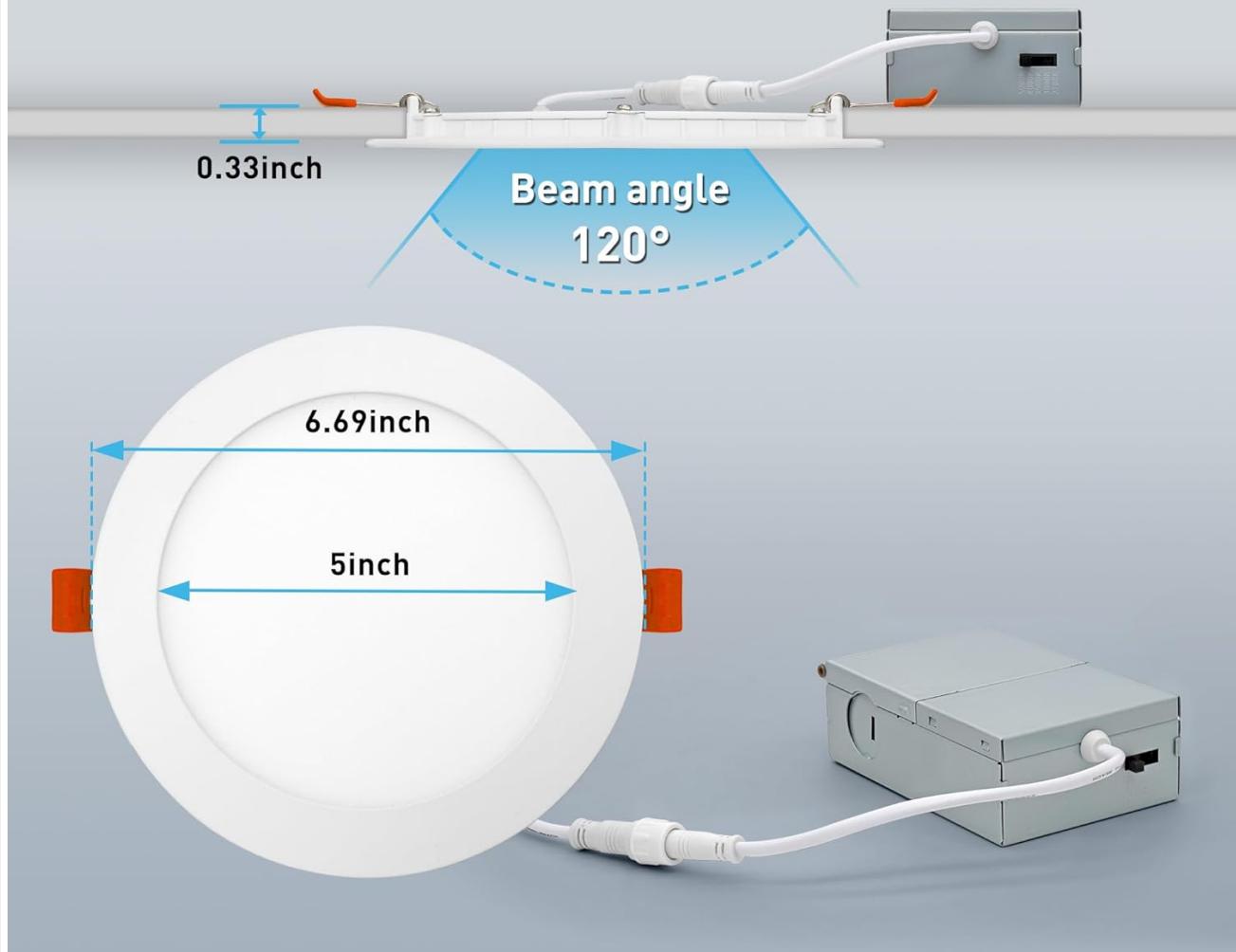


Image 4.3: Detailed product dimensions, showing the ultra-thin profile (0.33 inches) and beam angle (120 degrees).

5. SETUP AND INSTALLATION

Follow these steps for proper installation. It is recommended to have a qualified electrician perform the installation if you are unfamiliar with electrical wiring.

- 1. Turn Off Power:** Before starting any electrical work, ensure the power supply to the installation area is turned off at the circuit breaker.
- 2. Cut Hole:** Use the provided 1:1 hole template to mark and cut a 6.25-inch diameter hole in the ceiling.
- 3. Connect Wiring:** Open the junction box cover. Connect the house wiring (live, neutral, ground) to the corresponding wires inside the junction box using appropriate wire connectors. Ensure all connections are secure.
- 4. Secure Junction Box:** Place the junction box into the ceiling opening.
- 5. Install Light Fixture:** Connect the light fixture's cable to the junction box. Push the spring clips on the sides of the light fixture upwards and insert the fixture into the ceiling hole. The spring clips will secure the fixture in place.
- 6. Restore Power:** Once the fixture is securely installed, restore power at the circuit breaker.

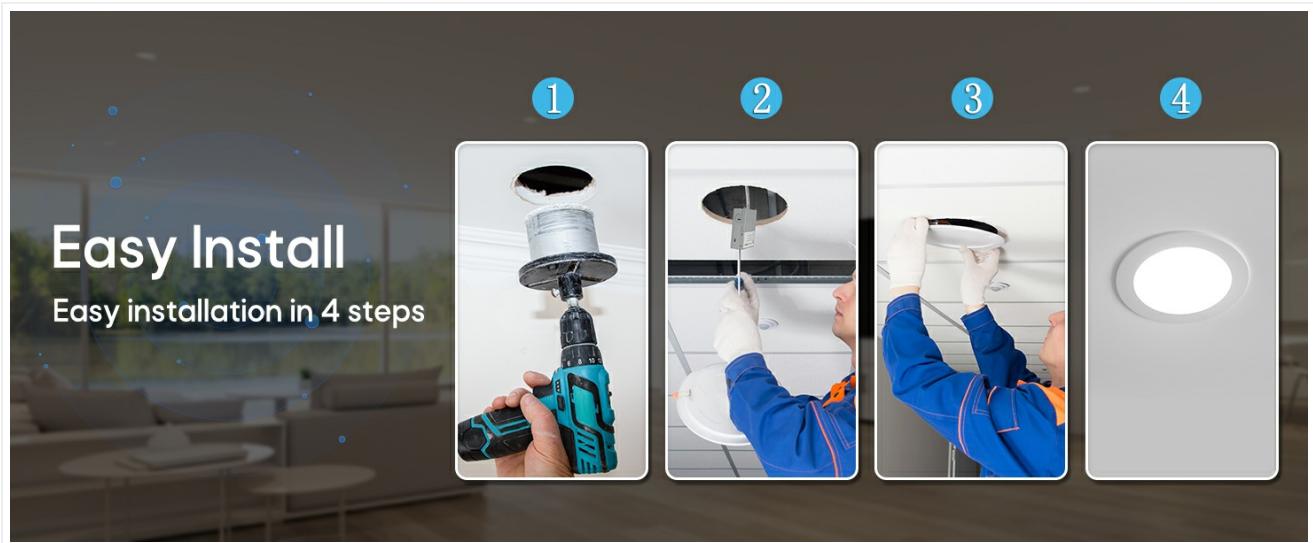


Image 5.1: Four-step visual guide for easy installation: cutting the hole, connecting the junction box, inserting the light, and final placement.



Image 5.2: Diagram of the junction box, indicating input and output specifications, designed for safe electrical connections.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

The light fixture is controlled by a standard wall switch connected to your household electrical system. Flip the switch to turn the lights on or off.

6.2. Color Temperature Adjustment (5CCT)

Your TRAMSMART recessed lights offer five selectable color temperatures: 2700K (Warm White), 3000K (Soft White), 3500K (Neutral White), 4000K (Cool White), and 5000K (Daylight). To change the color temperature, locate the small switch on the side of the integrated junction box. Select your desired color temperature before installing the fixture into the ceiling, or by carefully pulling down the fixture if already installed.

- **2700K:** Ideal for living rooms and bedrooms, creating a warm and cozy atmosphere.
- **3000K:** Suitable for kitchens, providing a slightly warmer, inviting light.
- **3500K:** Good for corridors and general areas, offering a balanced neutral light.
- **4000K:** Recommended for bedrooms or task lighting, a cooler white light.

- **5000K:** Best for offices or utility areas, providing bright, crisp daylight-like illumination.

▲ **5 CCT in one**

▲ Choose from 2700K-5000K, wide application.



Image 6.1: Visual examples of different color temperatures (2700K-5000K) applied in various room settings, such as office, bedroom, corridor, kitchen, and living room.

5CCT Adjustment

Adapt to different needs

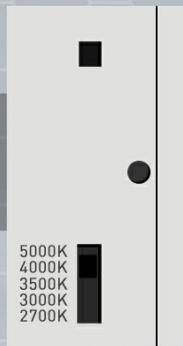


Image 6.2: Close-up of the 5CCT adjustment switch located on the junction box, allowing selection of desired color temperature.

6.3. Dimming Function

These LED recessed lights are compatible with most standard LED dimmers, allowing for smooth dimming from 5% to 100% brightness. Ensure your dimmer switch is designed for LED lighting to prevent flickering or performance issues.

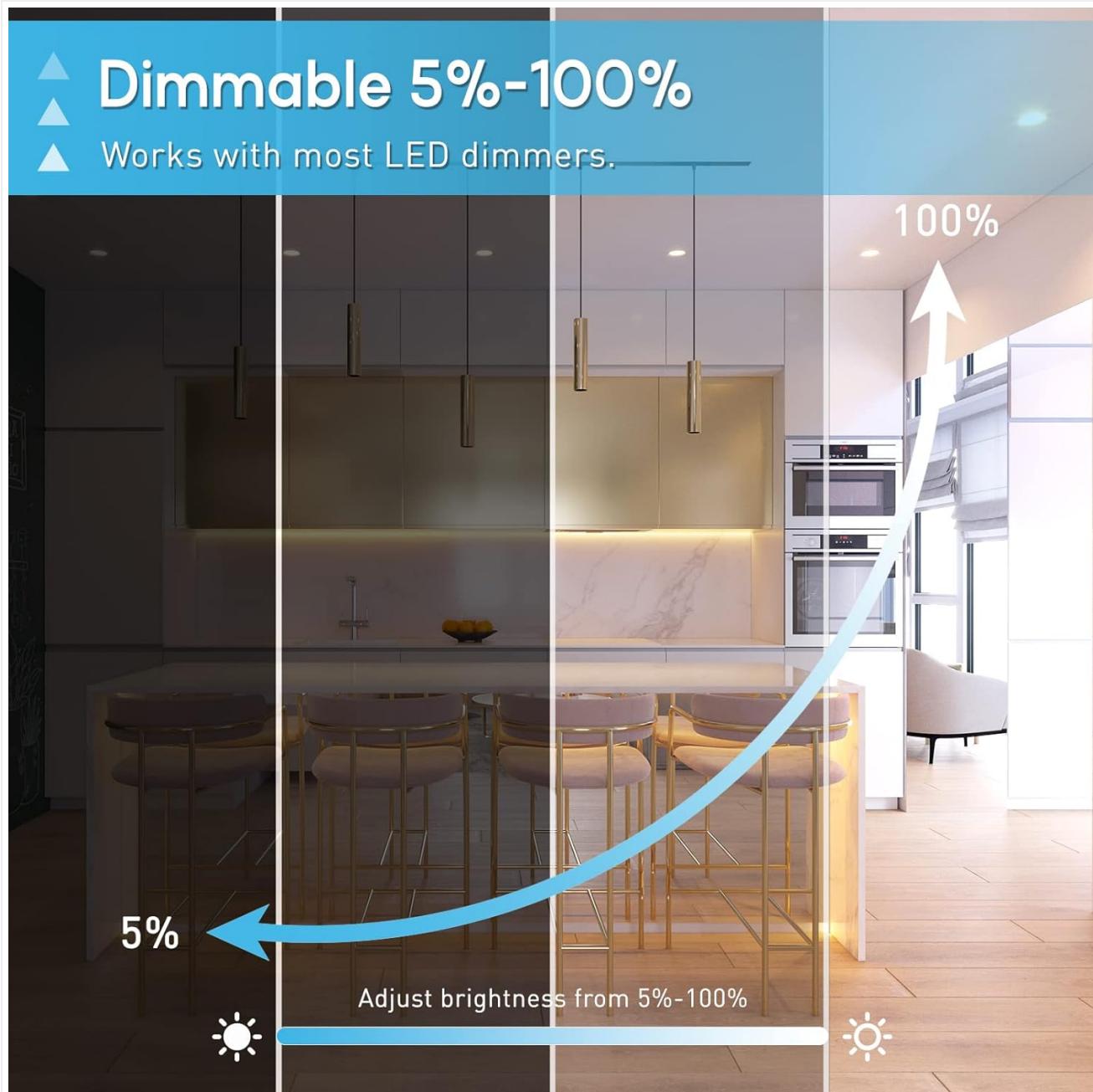


Image 6.3: Visual representation of the dimming capability, showing light intensity adjustable from 5% to 100%.



Image 6.4: Example of a compatible dimmer switch, indicating the lights work with most LED dimmers.

7. MAINTENANCE

The TRAMSMART LED recessed lights require minimal maintenance.

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture. Do not use harsh chemicals or abrasive cleaners, as they may damage the finish.
- **No Bulb Replacement:** These fixtures use integrated LED chips, meaning there are no bulbs to replace.

8. TROUBLESHOOTING

If you encounter issues with your recessed lights, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty fixture	Check circuit breaker and wall switch. Ensure all wiring connections in the junction box are secure (power off first). If other lights on the same circuit work, the fixture may be faulty. Contact support.
Light flickers or dims inconsistently	Incompatible dimmer switch Loose wiring connection	Ensure you are using an LED-compatible dimmer switch. Check wiring connections (power off first).
Incorrect color temperature	CCT switch set incorrectly	Adjust the CCT switch on the junction box to your desired setting.

9. WARRANTY AND SUPPORT

Specific warranty details are not provided in the product information. For warranty claims, technical support, or further assistance, please contact TRAMSMART customer service through the retailer where the product was purchased or visit the official TRAMSMART store online.

TRAMSMART Store: <https://www.amazon.com/stores/TRAMSMART/page/0FCA5262-31AE-40F1-AE6A-31248D115E4B>

