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JESLED 48LED-9W-PWM-12P

JESLED 4-Inch 7CCT Ultra-Thin LED Recessed Ceiling Light Instruction Manual

Model: 48LED-9W-PWM-12P

Product Overview

The JESLED 4-Inch 7CCT Ultra-Thin LED Recessed Ceiling Light is a versatile and energy-efficient lighting solution designed for various indoor applications. Featuring 7 selectable color temperatures (2700K to 6500K), this downlight allows you to customize the lighting atmosphere to suit any room or mood. Its ultra-thin design requires minimal ceiling space, making installation straightforward. With high brightness and dimmable capabilities, it provides excellent illumination while saving energy.



Image: A single JESLED 4-inch ultra-thin LED recessed light with its accompanying junction box, alongside a stack of 11 more lights, illustrating the 12-pack offering.

Key Features

- **7 CCT Color Temperature:** Easily switch between 2700K, 3200K, 3900K, 4500K, 5000K, 6000K, and 6500K to match your desired ambiance.
- **Ultra High Brightness & Energy Efficient:** 9W LED lights emit 750LM brightness, equivalent to 75W traditional lighting, saving up to 90% energy.
- **Dimmable & Wide Range of Application:** Supports 5%-100% arbitrary dimming, compatible with most dimmers, suitable for bedrooms, living rooms, kitchens, bathrooms, and more.
- **Easy to Install:** Designed for quick installation with a 1:1 size template and spring clips, requiring only 4.1 inches of ceiling space.

- **Long Lifespan & Durability:** Constructed with durable aluminum materials for an impressive lifespan of up to 50,000 hours.



Image: A cross-section view of a house showcasing various rooms illuminated with different color temperatures, from warm 2700K in a bedroom to cool 6000K in a garage, demonstrating the 6-color temperature selectable feature.



Image: A comparison graphic highlighting the 'Super Bright' feature of JESLED lights, showing a table comparing JESLED's 750LM brightness, 5-100% dimming, and 9W wattage against competitors' lower specifications.

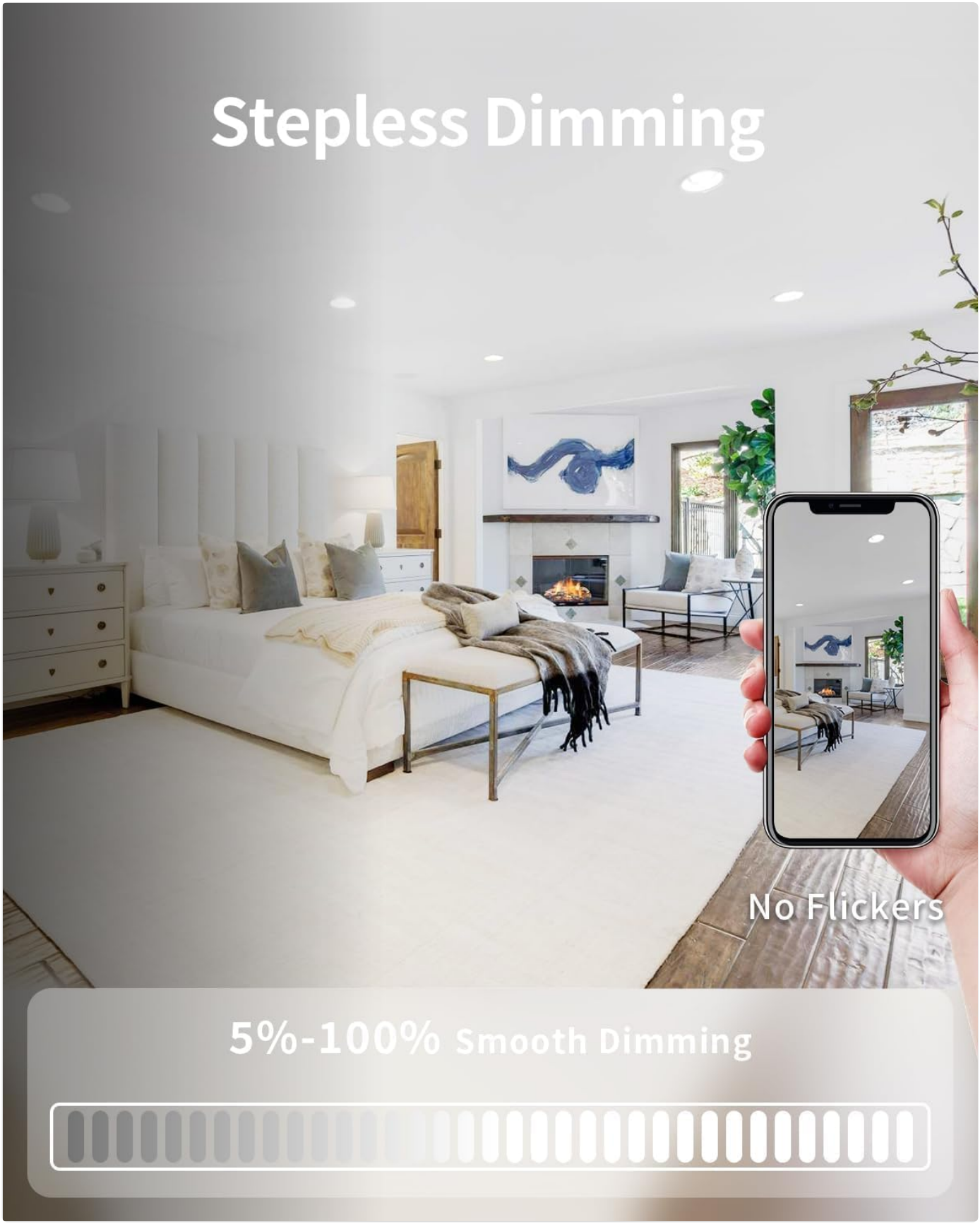


Image: A living room scene demonstrating the 'Stepless Dimming' feature, with a hand holding a smartphone showing a dimming bar from 5% to 100%, emphasizing no flickers.

Installation Guide

Safety Precautions

- Always turn off power at the circuit breaker before installation.

- Consult a qualified electrician if you are unsure about any part of the installation process.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not install in wet locations unless specified.

What's in the Box

- JESLED 4-Inch 7CCT Ultra-Thin LED Recessed Ceiling Light (Quantity: 12)
- Junction Box (Quantity: 12)
- 3pcs 5ft extension power switch cords
- Installation Template

Installation Steps

1. **Cut a Hole:** Use the provided 1:1 size template to mark and cut a round hole in the ceiling. Ensure the hole size is appropriate for the 4-inch light fixture.
2. **Connect Wiring:** Open the junction box and connect the household electrical wires (live, neutral, ground) to the corresponding wires in the junction box using appropriate connectors.
3. **Put and Connect:** Place the connected junction box into the ceiling hole. Connect the light fixture's cable to the junction box's output cable.
4. **Mount Light:** Push the spring clips on the sides of the light fixture upwards and insert the light into the ceiling hole. The clips will secure the light in place.
5. **Select Color Temperature:** Before final installation or after, use the switch on the side of the junction box to select your desired color temperature.



Image: A visual guide illustrating the four easy installation steps: cutting a hole, connecting wiring, placing the junction box and connecting, and finally mounting the light fixture into the ceiling.



Image: A detailed diagram showing the dimensions of the JESLED 4-inch ultra-thin LED recessed light and its junction box, including height, length, and width measurements in both centimeters and inches.

Operating Instructions

Color Temperature Adjustment

The JESLED recessed light features 7 selectable color temperatures. To change the color temperature, locate the small

switch on the side of the junction box. Slide the switch to select between 2700K (Warm White), 3200K, 3900K, 4500K, 5000K, 6000K, and 6500K (Daylight/Cool White). Choose the setting that best suits your room's lighting needs and desired ambiance.



Image: A close-up view of the junction box, highlighting the switch used to select the desired color temperature from the available 7 CCT options.

Dimming Function

This light fixture is fully dimmable from 5% to 100% when connected to a compatible dimmer switch (not included). Ensure

your dimmer switch is LED-compatible for optimal performance and to prevent flickering. Adjust the dimmer to achieve your preferred brightness level.

Maintenance

To ensure the longevity and optimal performance of your JESLED recessed lights, follow these simple maintenance guidelines:

- **Cleaning:** Before cleaning, ensure the power to the light fixture is turned off at the circuit breaker. Use a soft, dry, or slightly damp cloth to wipe the surface of the light. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish or electrical components.
- **Inspection:** Periodically inspect the light fixture and wiring for any signs of damage, loose connections, or wear. If any issues are found, turn off the power immediately and consult a qualified electrician for repair or replacement.
- **No User-Serviceable Parts:** The LED components are integrated and not user-replaceable. Do not attempt to disassemble the light fixture.

Troubleshooting

If you encounter any issues with your JESLED recessed light, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring; Faulty switch or dimmer; Damaged light fixture.	Check circuit breaker; Verify all wiring connections are secure; Test switch/dimmer; Contact support if light is damaged.
Light flickers	Incompatible dimmer switch; Loose wiring; Voltage fluctuations.	Ensure dimmer is LED-compatible; Check wiring connections; Consult electrician for voltage issues.
Incorrect color temperature	Switch on junction box is set incorrectly.	Adjust the CCT selection switch on the junction box to the desired setting.
Light is too dim or too bright	Dimmer setting; Incorrect CCT selection.	Adjust the dimmer switch; Change the CCT setting if a different brightness perception is desired.

If the problem persists after trying these steps, please contact JESLED customer support for further assistance.

Specifications

Attribute	Detail
Brand	JESLED
Model Number	48LED-9W-PWM-12P
Size	4 Inch
Color Temperature	7 CCT (2700K/3200K/3900K/4500K/5000K/6000K/6500K)
Wattage	9 watts

Attribute	Detail
Brightness	750 Lumens
Dimmability	5%-100% (compatible with most dimmers)
Material	Aluminum
Voltage	120 Volts
Lifespan	Up to 50,000 hours
Installation Type	Flush Mount
Product Dimensions	4.72"L x 4.72"W x 0.39"H
Item Weight	7.02 pounds (for the 12-pack)

Warranty and Support

Warranty Information

This JESLED product comes with a**Limited Warranty**. Please refer to the product packaging or contact JESLED customer service for specific details regarding the warranty period and coverage.

Customer Support

For any questions, technical assistance, or warranty claims, please contact JESLED customer support through the following channels:

- **Online:** Visit the official JESLED website for FAQs and contact forms.
- **Email:** Refer to your product packaging for the customer service email address.
- **Phone:** Refer to your product packaging for customer service phone numbers.

Please have your product model number (48LED-9W-PWM-12P) and purchase information ready when contacting support.

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