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› LEDIARY 4Inch LED Recessed Lights 12 Pack, Ultra Thin Square Recessed Lighting with Junction Box, 5CCT 2700K-5000K Selectable Downlight,750LM 9W Eqv 75W CanLight with IC Rated,ETL Listed

LEDIARY Square-RL0412

LEDIARY 4-Inch Ultra Thin Square LED Recessed Lights Instruction Manual

Brand: LEDIARY | Model: Square-RL0412

1. INTRODUCTION

Thank you for choosing LEDIARY 4-Inch Ultra Thin Square LED Recessed Lights. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixtures. These lights are designed for various indoor applications, offering adjustable color temperature and dimming capabilities to suit your preferences.



Figure 1.1: LEDIARY 4-Inch Ultra Thin Square LED Recessed Light with included junction box.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and retain this manual for future reference. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **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 the supply voltage is 110 Volts AC, as specified for this product.
- Do not modify or alter the fixture. Any modifications may void the warranty and create safety hazards.
- The fixture is **IC Rated**, meaning it is suitable for direct contact with insulation.
- The product is **ETL Listed**, ensuring it meets North American safety standards.
- Do not install in locations where the operating temperature exceeds the fixture's rated temperature.
- This fixture is damp rated, suitable for use in damp locations like bathrooms or kitchens, but not directly exposed to

water.

3. PRODUCT FEATURES

The LEDIARY 4-Inch Recessed Lights offer advanced features for optimal lighting performance:

- **5CCT Selectable Color Temperature:** Choose from 2700K (Soft White), 3000K (Warm White), 3500K (Natural White), 4000K (Cool White), and 5000K (Daylight) via a switch on the junction box.
- **Smooth Dimming:** Compatible with most dimmers, allowing seamless brightness adjustment from 10% to 100% without flickering or humming.
- **Ultra-Thin Design:** Requires only 2 inches of ceiling space, eliminating the need for traditional recessed cans.
- **High Brightness & Energy Efficiency:** Delivers 750 lumens of light while consuming only 9 watts, equivalent to a 75W incandescent lamp.
- **Wide Beam Angle:** A 120-degree beam angle ensures broad and even light distribution.
- **Durable Construction:** Made from aluminum with a matte finish.
- **Safety Certifications:** IC Rated for direct insulation contact and ETL Listed for safety.

Features

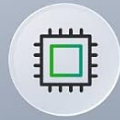
Ideal for locations with limited height clearance



5 years
warranty



Beam Angle
120°



High quality
LED chip



Wattage
9W=75W



Voltage
120V



750LM
High brightness

0.35"

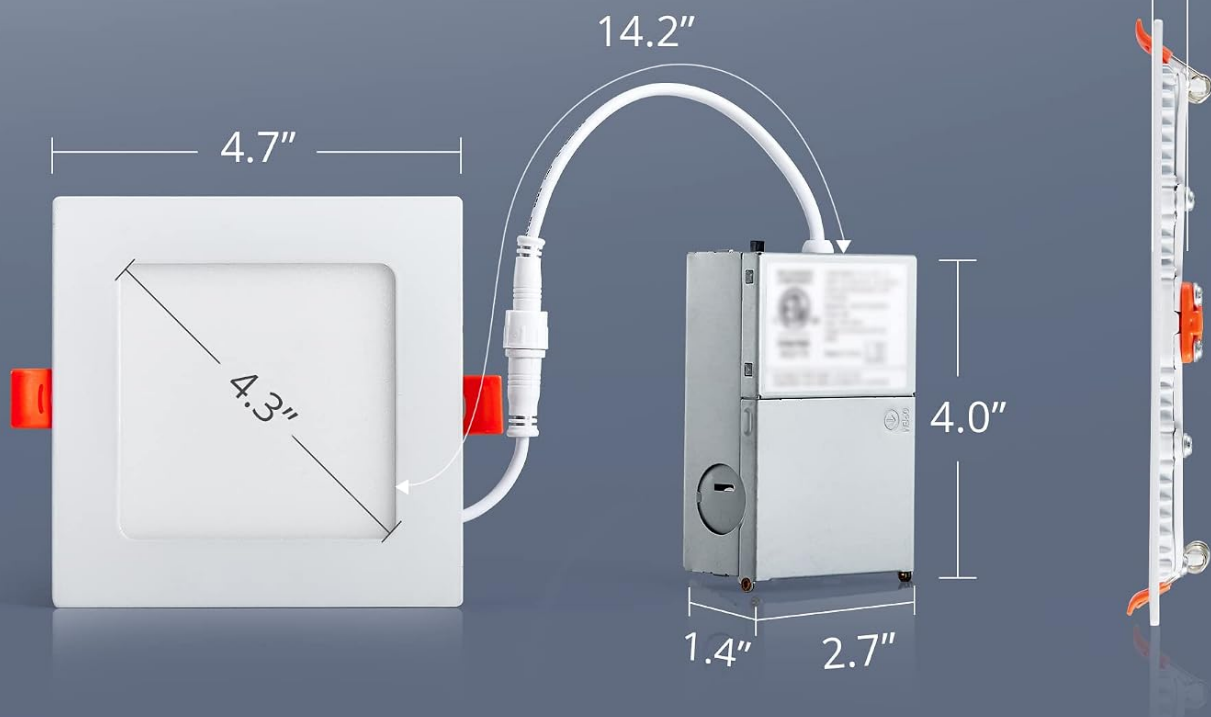


Figure 3.1: Key features and dimensions of the LEDIARY recessed light.



Figure 3.2: Illustration of the wide 120-degree beam angle for superior light spread.

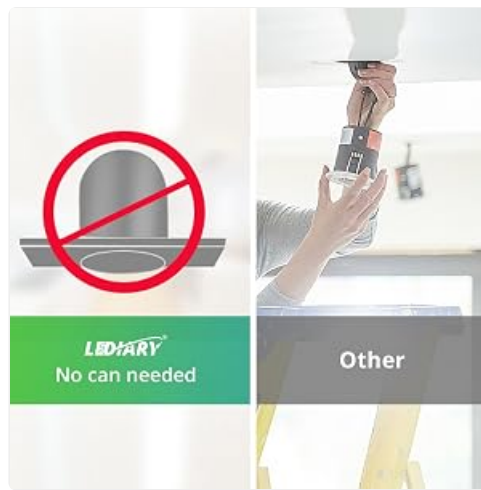


Figure 3.3: The canless design simplifies installation and saves space.

4. PACKAGE CONTENTS

Each package of LEDIARY 4-Inch Recessed Lights (12-pack) includes:

- 12 x LED Recessed Lights (4-inch, square)
- 12 x Junction Boxes
- Installation Manual (this document)
- Cutout Drawings/Template

5. SETUP AND INSTALLATION

Follow these steps for a safe and proper installation. It is recommended to have a qualified electrician perform the installation if you are not familiar with electrical wiring.

1. Prepare the Ceiling:

Turn off power at the circuit breaker before beginning any work. Use the provided cutout template to mark the desired location for the light. Cut a 4-1/4 inch square hole in the ceiling. Ensure there are no obstructions like joists or pipes in the installation area.

2. Connect Wiring:

Open the junction box. Connect the house wiring (live, neutral, ground) to the corresponding wires inside the junction box using wire nuts. Ensure all connections are secure and properly insulated.



Figure 5.1: Securely connect house wiring to the junction box using wire nuts.

3. Connect Fixture to Junction Box:

Connect the cable from the LED light fixture to the corresponding connector on the junction box. Ensure the connection is firm.

4. Insert Junction Box:

Place the connected junction box into the ceiling hole.

5. Install the Light Fixture:

Push the spring clips on the sides of the LED fixture upwards. Carefully insert the fixture into the ceiling hole. Once the fixture is in place, release the spring clips; they will hold the light securely against the ceiling.

Easy Installation



Canless



J-Box Included



Fits square Joists



Damp rated

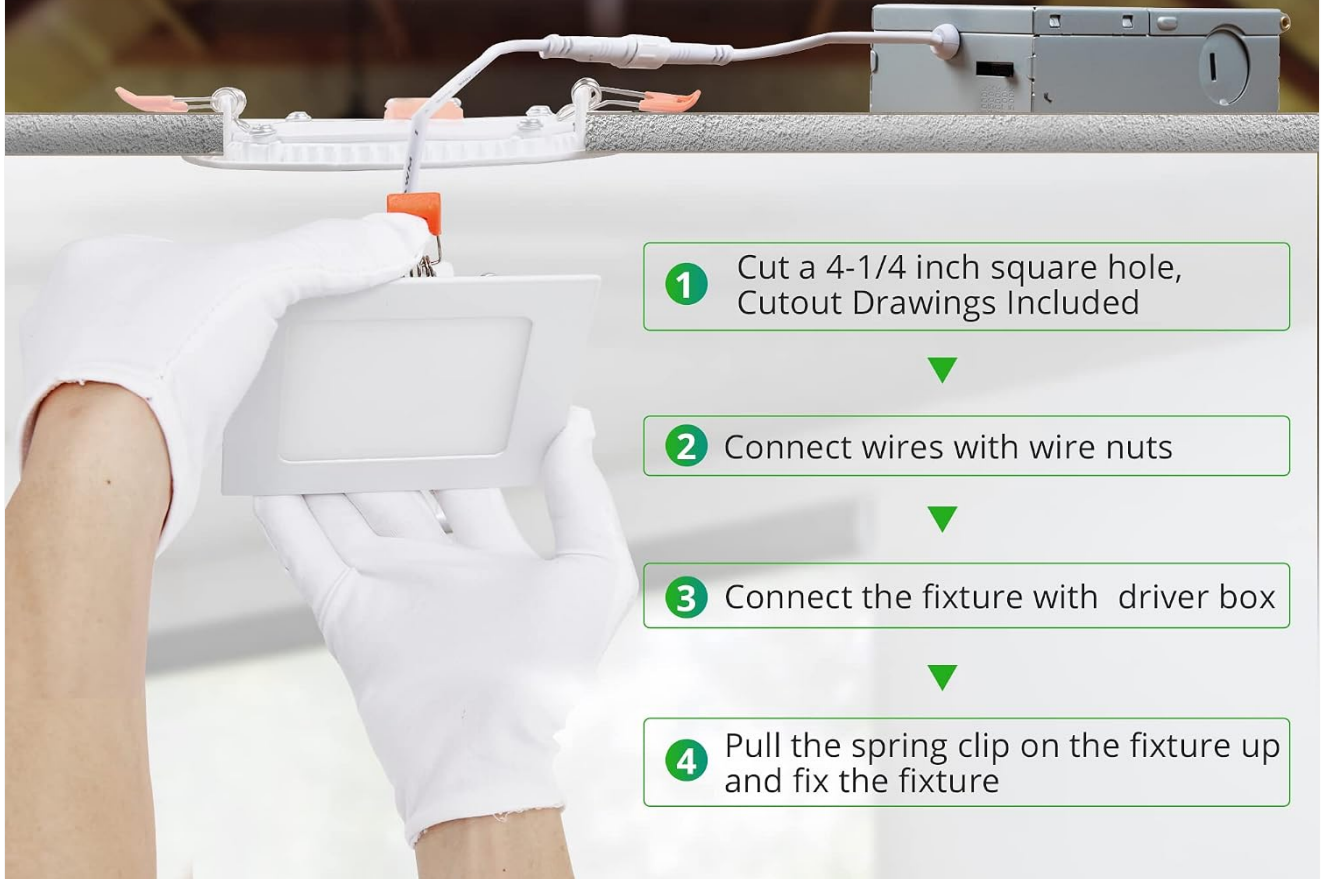


Figure 5.2: Visual guide for the installation process.



Figure 5.3: Comprehensive installation steps including hole cutting and wiring.

6. OPERATING INSTRUCTIONS

Your LEDIARY recessed lights offer versatile lighting options:

6.1. Selecting Color Temperature (5CCT)

The color temperature can be adjusted using a switch located on the side of the junction box. Before installation, or if you need to change the color temperature after installation, you can access this switch. Select your desired color from the five available options:

- 2700K (Soft White)
- 3000K (Warm White)
- 3500K (Natural White)
- 4000K (Cool White)
- 5000K (Daylight)

Selectable 5 color temperature

Multiple atmosphere choices



Figure 6.1: Visual representation of the five selectable color temperatures.



Figure 6.2: Locate the CCT selection switch on the junction box to adjust color temperature.

6.2. Dimming Functionality

These lights are designed for smooth dimming from 10% to 100% with compatible LED dimmers. Ensure your dimmer switch is rated for LED lighting to avoid flickering or humming.

Recommended Dimmers:

- **Lutron:** AYCL-153P, CLDVSL-153P-WH, CT-600P, CTCL-153P, DV600P, DVCL-153P, IPL06-MACL-153M, PD-6WCL, S600-P, SCL-153P, TG-10P, TG-600P, TGCL-153P
- **Leviton:** 6674, 6681, 1G44I1, 1PL06, 6672-LW, 6672-decora, DSL06, DSM10-decora

Adjust your brightness freely

Enjoy smooth dimming from 10% - 100%

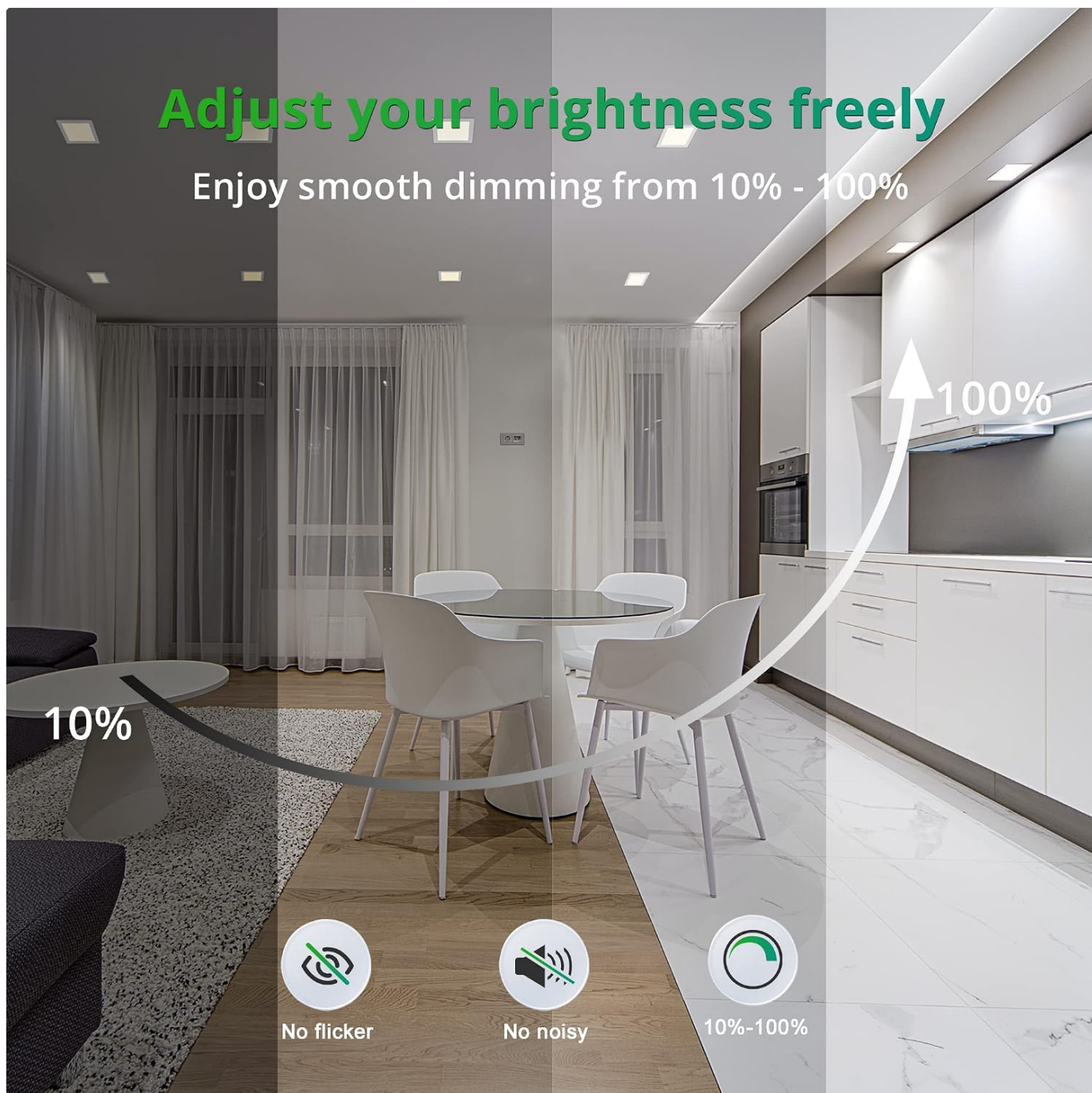


Figure 6.3: The lights provide seamless dimming for adjustable ambiance.



Free dimming for eye protection
Enjoy smooth dimming from 10%-100%

Dimmer Recommended

- Lutron:**
 AYCL-153P, CLDVSL-153P-WH, CT-600P, CTCL-153P, DV600P, DVCL-153P
 IPL06 MACL-153M, PD-6WCL, S600-P, SCL-153P, TG-10P, TG-600P, TGCL-153P
- Leviton:**
 6674, 6681, 1G44I1, 1PL06, 6672-1LW, 6672-decora, DSL06, DSM10-decora

Figure 6.4: Dimming range and examples of compatible dimmer switches.

7. MAINTENANCE

LEDIARY LED recessed lights require minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these may damage the finish or electrical components.
- Inspection:** Periodically inspect the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- No User-Serviceable Parts:** The LED components are integrated and not user-replaceable. Do not attempt to disassemble the fixture.

8. TROUBLESHOOTING

If you encounter issues with your LEDIARY recessed lights, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power supply; Loose wiring connection; Faulty switch or dimmer; Damaged fixture.	Check circuit breaker and wall switch. Verify all wire connections in the junction box. Test the switch/dimmer. If problem persists, contact customer support.
Light flickers or hums	Incompatible dimmer switch; Loose wiring connection.	Ensure you are using an LED-compatible dimmer. Check wiring connections.

Problem	Possible Cause	Solution
Incorrect color temperature	CCT switch set incorrectly.	Access the junction box and adjust the 5CCT switch to your desired setting.
Light is dim or not bright enough	Dimmer setting too low; Incorrect CCT setting (some CCTs may appear less bright); Power issue.	Adjust dimmer to 100%. Try different CCT settings. Verify stable power supply.

If troubleshooting steps do not resolve the issue, please contact LEDIARY customer support for assistance.

9. SPECIFICATIONS

Attribute	Detail
Brand	LEDIARY
Model Number	Square-RL0412
Size	4-Inch
Shape	Square
Wattage	9 Watts (equivalent to 75W incandescent)
Brightness	750 Lumens
Color Temperature	2700K, 3000K, 3500K, 4000K, 5000K (5CCT Selectable)
Dimming Range	10% - 100%
Voltage	110 Volts (AC)
Material	Aluminum
Finish Type	Matte
Installation Type	Flush Mount (Canless)
Beam Angle	120 Degrees
CRI (Color Rendering Index)	85.00
Average Life	50,000 Hours
Certifications	IC Rated, ETL Listed
Product Dimensions	6.7"L x 6.7"W x 0.35"H (Fixture)
Item Weight	7.74 pounds (for 12-pack)
Included Components	Junction Box

10. WARRANTY AND SUPPORT

LEDIARY stands behind the quality of its products.

10.1. Warranty Information

This product comes with a **Limited Replenishment-5 years** warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, abuse, accidents, or unauthorized modifications.

10.2. Customer Support

For technical assistance, warranty claims, or any questions regarding your LEDIARY recessed lights, please contact LEDIARY customer service. Refer to your purchase documentation or the LEDIARY brand store on Amazon for contact details.

Visit the official LEDIARY store for more information: [LEDIARY Amazon Store](#)

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