

ENERGETIC SMARTER LIGHTING 6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Light

Energetic 6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Light Instruction Manual

Model: 6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Light

1. PRODUCT OVERVIEW

The Energetic 6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Light is a versatile lighting solution designed for various indoor applications. This canless wafer downlight features selectable color temperatures (2700K, 3000K, 4000K, 5000K, 6500K), high brightness, and dimmable functionality. Its ultra-thin design and integrated junction box simplify installation in spaces with limited ceiling clearance.



Image 1.1: Overview of the Energetic 6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Lights and their accompanying junction boxes.

Key Features:

- **5 CCT Selectable:** Choose from 2700K (soft white), 3000K (warm white), 4000K (cool white), 5000K (daylight), and 6500K (cool daylight) to match your desired ambiance.
- **High Brightness:** 900 lumens with 12 watts power consumption, equivalent to a 110W incandescent lamp.
- **Dimmable:** Smooth dimming from 5% to 100% with compatible dimmers, ensuring no flicker or noise.
- **Ultra-Thin Design:** Requires only 2 inches of ceiling space, suitable for various ceiling types without needing a can.
- **IC Rated & ETL Certified:** Permitted for contact with insulation, ensuring thermal protection and safety.
- **Wet Location Rated:** Suitable for use in bathrooms, kitchens, and other damp environments.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause personal injury or property damage.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Use only on 120V AC, 60Hz circuits.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections are made in accordance with local codes and ordinances, as well as the National Electric Code (NEC).
- Do not alter or modify the product in any way.
- This product is IC rated, meaning it is suitable for direct contact with insulation.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- LED Recessed Downlight(s)
- Junction Box(es)
- Instruction Manual

4. SPECIFICATIONS

Feature	Specification
Brand	ENERGETIC SMARTER LIGHTING
Model	6-Inch 5CCT Ultra-Thin LED Recessed Ceiling Light
Color Temperature	2700K/3000K/4000K/5000K/6500K Selectable
Wattage	12 Watts
Brightness	900 Lumens
Voltage	120 Volts
Dimmability	5%-100% Smooth Dimmable
CRI	80.00
Product Dimensions	7.08"L x 7.08"W x 0.47"H
Advised Hole Cutout Size	6.37 inches (161.9mm)
Lifespan	50,000 hours
Certifications	ETL, FCC, IC Rated
Material	Metal
Indoor/Outdoor Usage	Indoor (Wet Location Rated)



ENERGETIC[®]
L I G H T I N G

Dimension

Advised hole cutout size: 6.37"



50,000hrs



WET
Location

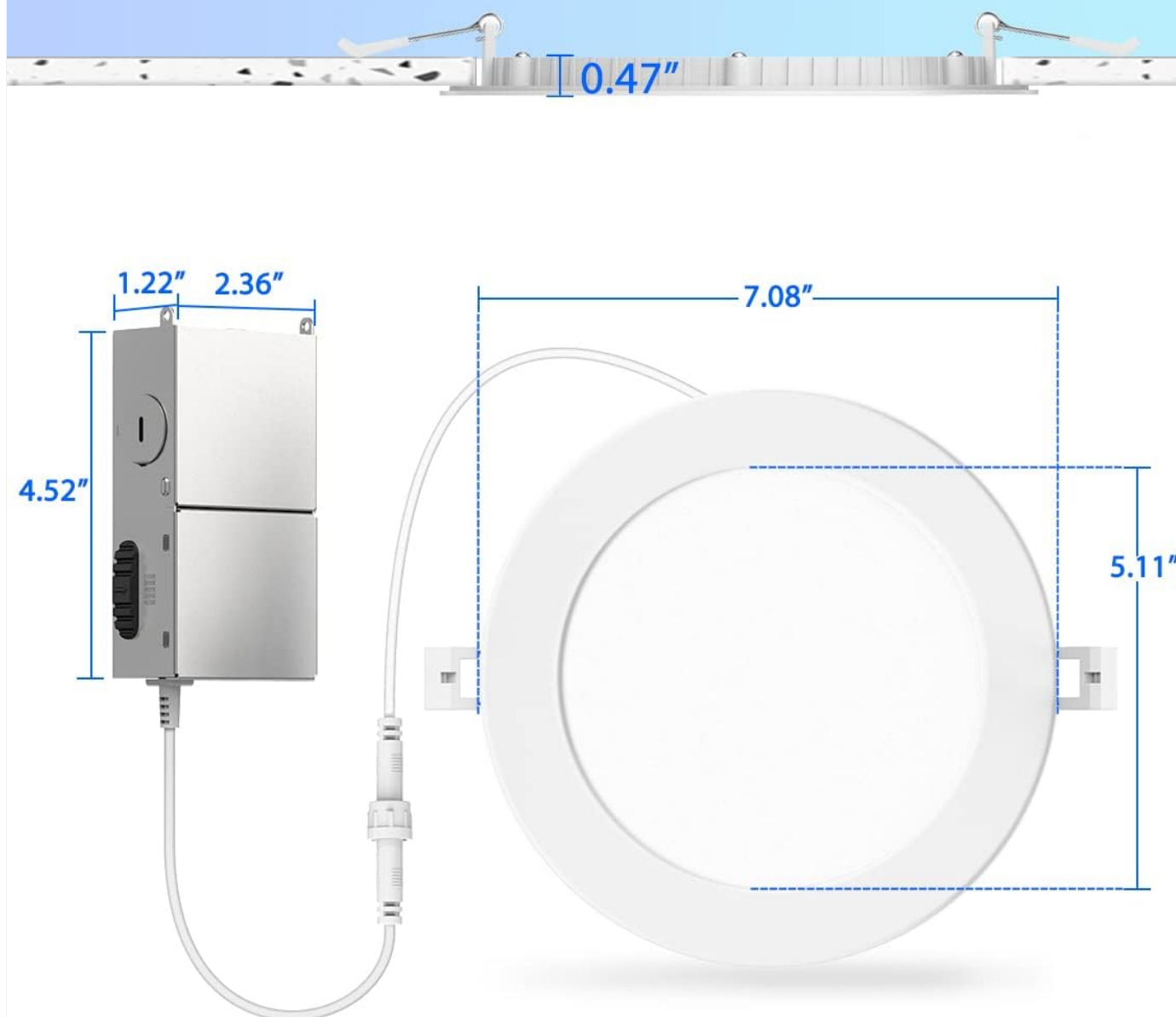


Image 4.1: Detailed dimensions of the LED recessed light and its junction box, including the advised hole cutout size of 6.37 inches.

5. SETUP AND INSTALLATION

These ultra-thin LED recessed lights are designed for easy installation without the need for a traditional recessed can. Follow these steps for a secure and proper setup.

1. **Turn Off Power:** Before starting any electrical work, ensure the power supply to the installation area is turned off at the circuit breaker or fuse box.
2. **Cut a Hole:** Use the provided cutting template or measure a 6-3/8 inch (approximately 161.9mm) diameter hole in the ceiling at the desired location. Ensure there are no obstructions like joists or pipes.
3. **Connect Wiring:** Open the junction box cover. Connect the house wiring (live, neutral, ground) to the corresponding wires inside the junction box using the provided UL-certified wire terminals. Ensure all connections are secure.
4. **Select Color Temperature:** Before mounting, use the switch on the junction box to select your desired color temperature (2700K, 3000K, 4000K, 5000K, or 6500K).
5. **Connect Light Panel:** Connect the cable from the LED light panel to the junction box connector. Ensure the connection is firm and secure.
6. **Mount Light:** Push the spring clips on the LED light panel upwards and insert the light into the cutout hole in the ceiling. The spring clips will hold the light securely in place.
7. **Restore Power:** Once the light is securely mounted and all connections are checked, restore power at the circuit breaker.



ENERGETIC®
LIGHTING

Easy installation

No can needed



1

1:1 size ($\Phi 6.37''/\Phi 161.9\text{mm}$) of the cutting template



Cut a hole

2



Connect wiring

3



Connect light panel

4



Mount light

Image 5.1: Visual guide for the easy installation process, including cutting the hole, connecting wiring, connecting the light panel, and mounting the light.

GREAT SPACE-SAVING SOLUTION

Perfect for locations where height clearance is limited



Image 5.2: Illustration of the space-saving design, showing the slim junction box, snap spring, and 5-color selectable switch.

6. OPERATING INSTRUCTIONS

Color Temperature Selection:

The Energetic 6-Inch LED Recessed Light offers five selectable color temperatures. Before installation, use the switch located on the side of the junction box to choose your preferred color temperature. This allows you to customize the lighting ambiance for different rooms or moods.

- **2700K:** Soft White, ideal for bedrooms and cozy spaces.
- **3000K:** Warm White, suitable for corridors and living areas.
- **4000K:** Cool White, often used in bathrooms and offices.
- **5000K:** Daylight, bright and clear, good for kitchens and task lighting.
- **6500K:** Cool Daylight, very bright, suitable for areas requiring high visibility.



5CCT IN ONE

Free to choose the lighting ambiance you want

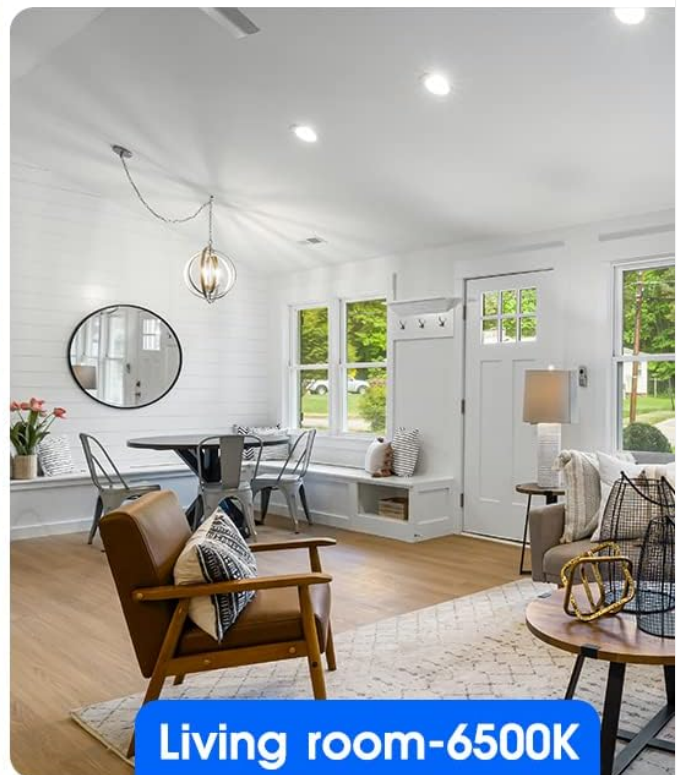


Image 6.1: Examples of different color temperatures (2700K, 3000K, 4000K, 5000K, 6500K) applied in various room settings like bedrooms, kitchens, and living rooms.

Dimming Functionality:

This LED recessed light is designed for smooth dimming from 5% to 100%. To utilize the dimming feature, ensure you are using a compatible LED dimmer switch. The light is compatible with most popular dimmer models on the market, including those from



ENERGETIC[®]
LIGHTING

Stepless Dimming

Matches most dimmers on the market

100%

5%

LEVITON

LUTRON

LISTED

REL06
TG-600P-WH

EATON

DVL06P
WFD03
SAL06P3

6681
IPE04
6674
IPL06-10Z
PSD6-1LZ
6615-P
6633-PLW
6672
DSL06-1LZ

PD-6WCL-WH
DVCL-153P
DV-600P
MACL-153M
LG-600P
LG-603P
LGCL-153P
DV-603PG
TGCL-153PH
CTCL-153P-WH
DV-600P-WH
SELV-300P-WH
LGCL-153PLH-IV
RRD6NA-WH
MACL-153M-BI
MSCL-OP153MH
MSCL-VP153MH
DVCL-153P-WH
MACL-153MLH-WH
PD-6WCL



Image 6.2: Visual representation of the 5% to 100% stepless dimming capability of the light in a kitchen environment.

Matches most dimmers on the market

LEVITON:

6681,IPE04,6674,IPL06-10Z,PSD6-1LZ,6615-P,6633-PLW,6672,
DSL06-1LZ

LUTRON:

PD-6WCL-WH,DVCL-153P,DV-600P,MACL-153M,LG-600P,LG-603P,
LGCL-153P,DV-603PG, TGCL-153PH,CTCL-153P-WH,DV-600P-WH,
SELV-300P-WH,LGCL-153PLH-IV,RRD6NA-WH,MACL-153M-BI,
MSCL-0P153MH,MSCL-VP153MH,DVCL-153P-WH
MACL-153MLH-WH,PD-6WCL

LISTED:

REL06,TG-600P-WH

EATON:

DVL06P,WFD03,SAL06P3



Image 6.3: A list of compatible dimmer models from leading brands such as Leviton, Lutron, and Eaton, ensuring broad compatibility.

7. MAINTENANCE

The Energetic LED Recessed Ceiling Light requires minimal maintenance due to its long lifespan and durable construction.

- **Cleaning:** Ensure the power is off before cleaning. Gently wipe the surface of the light with a soft, dry or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** This LED fixture does not have user-replaceable bulbs. The integrated LED chips are designed to last for the product's entire lifespan.
- **Inspection:** Periodically inspect the light for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

8. TROUBLESHOOTING

If you encounter issues with your Energetic LED Recessed Ceiling Light, refer to the following common troubleshooting steps:

- **Light does not turn on:**
 - Check if the power supply is on at the circuit breaker.
 - Verify all wiring connections are secure and correct.
 - Ensure the light panel is properly connected to the junction box.
- **Light flickers or dims improperly:**
 - Ensure you are using a compatible LED dimmer switch. Incompatible dimmers can cause flickering or poor performance.
 - Check for loose wiring connections.
- **Incorrect color temperature:**

- Verify the CCT selection switch on the junction box is set to your desired temperature.

- **Buzzing noise:**

- Ensure all connections are tight.
- If using a dimmer, ensure it is an LED-compatible dimmer.

If these steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

Energetic Smarter Lighting provides a **5-Year Warranty** for this product, covering defects in materials and workmanship under normal use. The expected lifespan of the product is 50,000 hours.

Customer Support:

For technical assistance, warranty claims, or any questions regarding your Energetic LED Recessed Ceiling Light, please refer to the contact information provided on the product packaging or the official Energetic Smarter Lighting website.

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

Email

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

Details

Submit question