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Energetic Lighting 6IN-1000LM-4000K

Energetic 5/6 Inch LED Recessed Lighting Instruction Manual

Model: 6IN-1000LM-4000K

1. INTRODUCTION

Thank you for choosing Energetic 5/6 Inch LED Recessed Lighting. This manual provides essential information for the safe installation, operation, and maintenance of your new LED downlights. Please read these instructions thoroughly before installation and retain them for future reference.

2. SAFETY INFORMATION

- **WARNING: Risk of Electric Shock.** Always disconnect power at the circuit breaker or fuse box before installation or servicing.
- This product is designed for installation in existing 5-inch or 6-inch recessed cans.
- Ensure all electrical connections comply with local codes and ordinances, as well as the National Electric Code (NEC). Consult a qualified electrician if you are unfamiliar with proper electrical wiring.
- Do not modify or alter the fixture. Any modifications may void the warranty and create safety hazards.
- This fixture is **ETL Listed**, ensuring it meets recognized safety standards.
- It is **IC Rated**, meaning it is suitable for direct contact with insulation.
- It is **Wet Rated**, making it suitable for use in damp locations such as bathrooms or kitchens.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation.

- 12 x Energetic 5/6 Inch LED Recessed Downlights (Model: 6IN-1000LM-4000K)
- 12 x E26 Adapters
- 12 x Spring Clips (requires manual installation)
- Installation Instructions
- Warranty Documentation



Image 3.1: Contents of the 12-pack Energetic 5/6 Inch LED Recessed Downlight kit.

4. SPECIFICATIONS

Feature	Specification
Brand	Energetic Lighting
Model Number	6IN-1000LM-4000K
Size	5/6 Inch
Color Temperature	4000K Cool White
Brightness	1000 Lumens
Wattage	12 Watts (150W Incandescent Equivalent)
Voltage	120 Volts
Dimmable Range	5% - 100%

Average Lifespan	50,000+ Hours
Material	Metal, Plastic
Certifications	ETL, FCC, IC Rated, Wet Rated
Color Rendering Index (CRI)	80
Installation Type	Flush Mount, Retrofit (E26 base)



ENERGETIC[®]
LIGHTING



Intertek

Dimension

High quality downlight

 Voltage
120V

 Wattage
12W

 Brightness
1000LM

 Metal
Baffle Trim

 Damp
Rated

 IC
Rated



2.42" (6.14cm)

7.32" (18.6cm)

Image 4.1: Dimensional specifications of the Energetic 5/6 Inch LED Recessed Downlight.



Image 4.2: Illustration of Color Rendering Index (CRI) difference, showing CRI 80+ for accurate color representation.

5. INSTALLATION INSTRUCTIONS

Follow these steps for a quick and easy installation. The minimum depth of the existing recessed can must be 6.3 inches (160mm).

- 1. Turn Off Power:** Before starting, ensure the power to the fixture location is turned off at the circuit breaker or fuse box.
- 2. Install Spring Clips:** Manually attach the spring clips to the LED downlight fixture using the provided screws. Exercise caution and do not overtighten the screws to prevent damage.
- 3. Connect E26 Adapter:** Screw the E26 adapter into the existing E26 base socket within the recessed can.
- 4. Connect TP24 Adapter:** Connect the TP24 adapter from the E26 base to the corresponding connector on the LED downlight module.
- 5. Insert Fixture:** Gently push the spring clips upwards and carefully insert the LED downlight fixture into the recessed can until it sits flush with the ceiling.
- 6. Restore Power:** Once the fixture is securely installed, restore power at the circuit breaker.

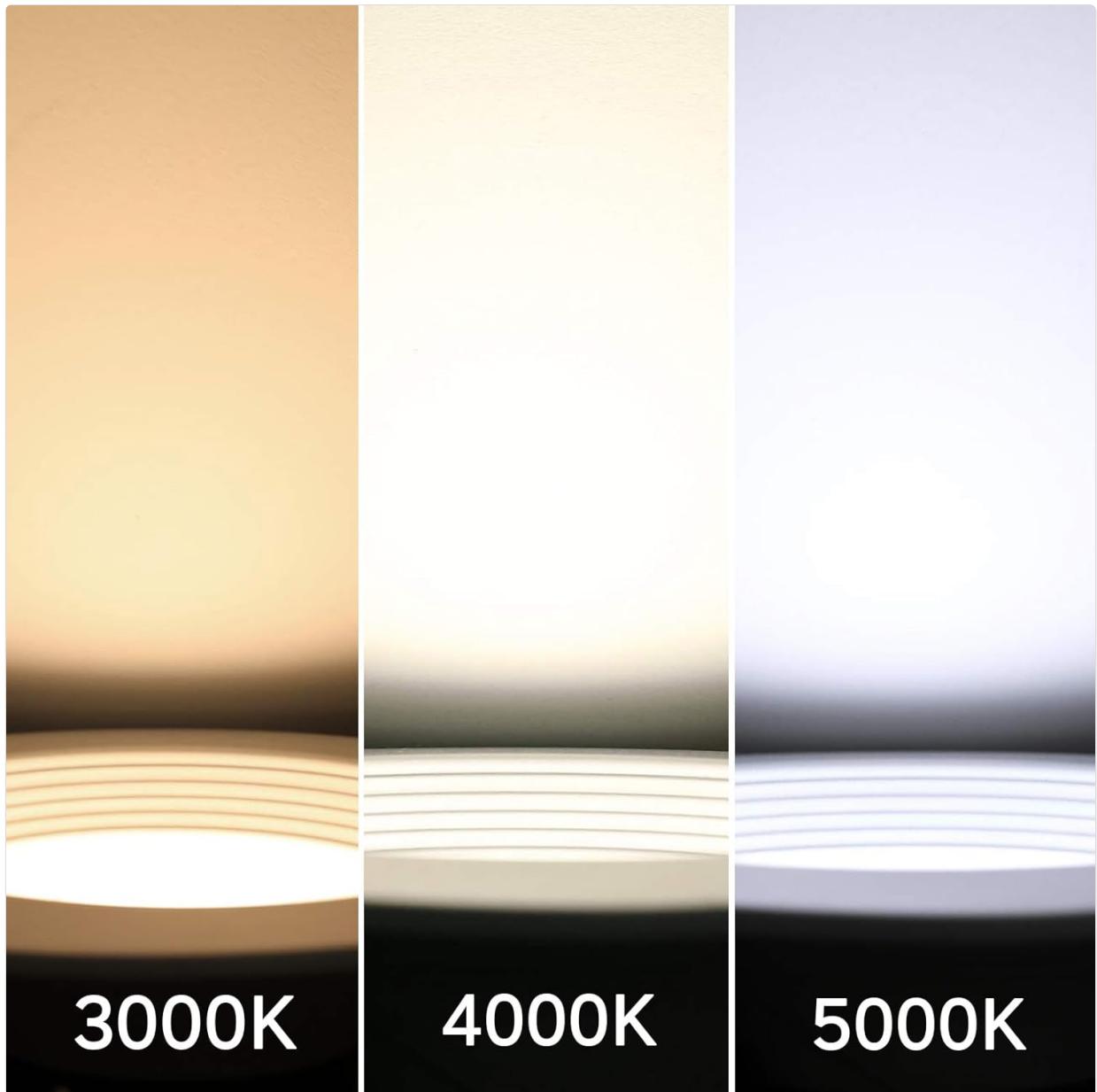


Image 5.1: Step-by-step guide for installing the LED recessed downlight.



Image 5.2: Close-up of the E26 adapter, which screws into the existing recessed can socket.

6. OPERATING INSTRUCTIONS

Your Energetic LED Recessed Downlight is designed for simple operation.

- **Power On/Off:** Control the light using a standard wall switch connected to the circuit.
- **Dimming Functionality:** This fixture is fully dimmable from 5% to 100% with most standard LED-compatible dimmers. For optimal performance, ensure your dimmer switch is compatible with LED lighting.
- **Light Output:** The fixture provides a consistent 4000K Cool White light at 1000 lumens.

**ENERGETIC®
LIGHTING**

Super Bright

Updated LED chips with higher lumens and lower power



90%
up to
cost saving

OURS	Brightness	Dimmable	Wattage	Baffle Trim
★★★★★	1000LM	5-100%	12W	Metal

Ohter	Brightness	Dimmable	Wattage	Baffle Trim
★	950LM	10-100%	12.5W	Plastic

Image 6.1: Illustration of the stepless dimming range from 5% to 100% brightness.



Image 6.2: Example of a compatible dimmer switch for controlling the light output.



ENERGETIC®
LIGHTING

Stepless Dimming

Matches most dimmers on the market

5%

100%

LEVITON

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

LUTRON

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

LEGRAND

RHCL453PTCCCV6
RHCL703PTCCCV4

LISTED

REL06
TG-600P-WH

EATON

SAL06P3



Image 6.3: Visual representation of 4000K Cool White light output.

7. MAINTENANCE

These LED downlights require minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture. Avoid abrasive cleaners or solvents that could damage the finish or electrical components.
- **No Bulb Replacement:** The LED light source is integrated and designed for a long lifespan, eliminating the need for bulb replacement.

8. TROUBLESHOOTING

If you encounter issues with your LED downlight, refer to the following common problems and solutions:

- **Light does not turn on:**

- Check that the power supply is connected and the circuit breaker is on.
- Ensure the E26 adapter is securely screwed into the socket and the TP24 connector is properly seated.
- Verify that the wall switch is in the 'ON' position.

- **Light flickers or dims inconsistently:**

- Ensure you are using an LED-compatible dimmer switch. Incompatible dimmers can cause flickering or poor performance.
- Check all electrical connections for looseness.
- Confirm the dimmer's load capacity is appropriate for the number of fixtures connected.



Image 8.1: Visual comparison illustrating the absence of flicker in Energetic LED lights versus frequent flicker in lower quality LEDs.

9. WARRANTY AND SUPPORT

Energetic Lighting provides a **5-Year service** for this product, covering defects in materials and workmanship under normal use. Please refer to the included Warranty Documentation for full terms and conditions.

For technical support or warranty claims, please contact Energetic Lighting customer service. Contact information can typically be found on our official website or on the product packaging.