Kichler 43846WHLED30

Kichler Gen 1 LED Downlight (Model 43846WHLED30) User Manual

Model: 43846WHLED30 | Brand: Kichler

Introduction

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Kichler Gen 1 LED Downlight, Model 43846WHLED30. Please read all instructions carefully before beginning installation and retain this manual for future reference.

The Kichler Gen 1 LED Downlight is a 7.5-inch ceiling flush mount fixture designed for indoor use. It features integrated LED lighting with a 3000K color temperature, offering efficient and dimmable illumination for various rooms including living rooms, dining rooms, kitchens, bathrooms, and bedrooms. This fixture is wet-rated, making it suitable for damp locations like bathrooms.

Important Safety Information

- Always disconnect power at the main circuit breaker or fuse box before beginning installation or maintenance.
- Consult a qualified electrician if you are unsure about the installation process or wiring.
- Ensure all electrical connections comply with local codes and ordinances.
- This fixture is designed for 120V AC power supply.
- Do not attempt to modify the fixture.
- This product is UL and cETL listed for safety.

Setup and Installation

The Kichler Gen 1 LED Downlight is designed for easy installation in a standard junction box (3" or 4"). A retrofit kit is available for installation over existing recessed housings (Model 4146LED).

Tools Required:

- Phillips Head Screwdriver
- Wire Strippers
- Electrical Tape (optional)
- Non-contact Voltage Tester (recommended for safety)
- Step Ladder

Installation Steps:

1. **Disconnect Power:** Before starting, turn off the electricity at the main circuit breaker panel or fuse box to avoid electrical shock. Use a non-contact voltage tester to confirm the wiring is safely disconnected from power.
2. **Remove Existing Fixture:** Carefully remove your old light fixture from the ceiling.
3. **Attach Mounting Bracket:** Secure the new mounting bracket (included) to the junction box on your ceiling using the provided screws. Ensure it is firmly attached.
4. **Prepare Wiring:** Identify the black (hot), white (neutral), and bare copper (ground) wires from both the ceiling and the fixture. If necessary, strip approximately 3/4 inch of insulation from the ends of the wires.
5. **Connect Ground Wire:** Connect the bare copper ground wire from the fixture to the ground wire from the junction box using a wire nut. Securely fasten it to the green ground screw on the mounting bracket.
6. **Connect Neutral Wire:** Connect the white wire from the fixture to the white (neutral) wire from the junction box using a wire nut.
7. **Connect Hot Wire:** Connect the black wire from the fixture to the black (hot) wire from the junction box using a wire nut.
8. **Secure Wiring:** Carefully tuck all connected wires into the junction box, ensuring no wires are pinched.
9. **Mount Fixture:** Raise the fixture to the ceiling and align it with the mounting bracket. Secure the fixture to the mounting bracket using the provided screws or hardware.
10. **Restore Power:** Once the fixture is securely installed, turn the electricity back on at the circuit breaker panel.

Your browser does not support the video tag.

Video: Kichler Semi Flush & Flush Mount Installation Guide. This video demonstrates the general installation process for Kichler flush mount fixtures, including safety precautions and wiring connections.

Operation

Your Kichler Gen 1 LED Downlight is ready for use once installed. Simply activate the wall switch connected to the fixture to turn it on or off.

Dimmable Feature:

This LED downlight is dimmable, allowing you to adjust the light output to suit your preference and create the desired ambiance. Ensure you use a compatible LED dimmer switch for optimal performance. Refer to your dimmer switch's instructions for proper operation.

Light Output:

The fixture provides 850 lumens of light at a 3000K color temperature, offering a warm white illumination suitable for various indoor settings.



Image: Lumens Guide. This chart provides general recommendations for light output (lumens) needed for various room types, helping you understand the brightness of your fixture.

Maintenance

The Kichler Gen 1 LED Downlight requires minimal maintenance due to its integrated LED design.

- **Cleaning:** To clean the fixture, ensure the power is off at the circuit breaker. Use a soft, dry, or slightly damp cloth. Avoid abrasive cleaners, solvents, or polishes as they may damage the finish.
- **LED Longevity:** The integrated LED light source is designed for long-lasting performance and does not require bulb replacement.

Troubleshooting

If your Kichler Gen 1 LED Downlight is not functioning correctly, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture.	Check the circuit breaker and wall switch. Ensure power is restored.
Light flickers.	Incompatible dimmer switch or loose wiring.	Ensure a compatible LED dimmer is used. Turn off power, check all wire connections for tightness.
Light is dim or inconsistent.	Dimmer setting too low or wiring issue.	Adjust dimmer to a higher setting. If problem persists, turn off power and check wiring connections.

Problem	Possible Cause	Solution
Fixture is loose.	Mounting screws are not tight.	Turn off power. Carefully tighten the mounting screws securing the fixture to the ceiling.

If these steps do not resolve the issue, please contact Kichler customer support or a certified electrician.

Specifications

Brand:	Kichler
Model Number:	43846WHLED30
Product Dimensions:	7.5" W x 1.25" H (4.5"L x 7.5"W x 1.25"H)
Color:	White
Material:	Aluminum, Glass (Shade)
Light Source Type:	Integrated LED
Color Temperature:	3000 Kelvin (Warm White)
Brightness:	850 Lumens
Wattage:	14 Watts
Voltage:	120 Volts (AC)
Installation Type:	Flush Mount
Indoor/Outdoor Usage:	Indoor (Wet Rated)
Special Features:	Dimmable, Energy Efficient, Anti-Rust
Certifications:	UL, cETL, ENERGY STAR rated
Item Weight:	0.5 Pounds (8 ounces)



Image: Product Dimensions. This diagram illustrates the width (7.5 inches) and height (1.25 inches) of the Kichler Gen 1 LED Downlight.

Warranty and Support

Warranty: This Kichler product comes with a 5-year limited warranty. Please refer to the warranty information included in your product packaging for full details on coverage and terms.
Customer Support: For technical assistance, troubleshooting beyond this guide, or warranty claims, please contact Kichler customer service. Visit the official Kichler website for contact information.

Additional Resources

Product Overview Videos:

Your browser does not support the video tag.

Video: Kichler Brand Video. This video highlights the Kichler brand's commitment to quality and design in lighting solutions.

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Video: Kichler Product Overview. A brief overview showcasing the features and benefits of Kichler lighting products.

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Video: Kichler Gen 1 LED Downlight Preview. A short preview demonstrating the dimmable functionality and flush mount design of the Kichler Gen 1 LED Downlight.

Product Images:



Image: Kichler Gen 1 LED Downlight. A close-up view of the downlight, highlighting its sleek white finish and integrated LED diffuser.



Image: Downlights in a Modern Setting (Day). Shows multiple Kichler Gen 1 LED Downlights providing ambient lighting in a contemporary kitchen and living space during daylight hours.



Image: Downlights in a Modern Setting (Night). Illustrates the Kichler Gen 1 LED Downlights illuminating a modern kitchen and living area at night, showcasing their effective light distribution.



Image: Light Output in Bathroom. An example of Kichler downlights effectively illuminating a modern bathroom space.



Image: Sleek Style. A close-up showcasing the minimalist and modern design of a Kichler flush mount light.



Image: Ceiling Installation. Depicts several Kichler flush mount lights installed on a ceiling, demonstrating their integrated appearance.



Image: Layered Lighting Design. An example of Kichler lighting fixtures used in a layered lighting design within a kitchen setting.

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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.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question