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Ensenior 6I-4000K-12PACK

Ensenior 6 Inch LED Recessed Ceiling Light User Manual

Model: 6I-4000K-12PACK

INTRODUCTION

Thank you for choosing the Ensenior 12 Pack 6 Inch LED Recessed Ceiling Light. This product is designed to provide high-quality, energy-efficient illumination for various indoor spaces. Featuring a dimmable 4000K Cool White light, 1050 lumens brightness, and a 12W 120V power rating, these canless wafer downlights are ETL, FCC, and IC certified for safety and performance.

This manual provides essential information for safe installation, operation, and maintenance of your new LED recessed lights. Please read it thoroughly before installation and keep it for future reference.

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing. Improper installation can lead to electric shock or fire.

- Always turn off power at the circuit breaker before beginning installation.
- Consult a qualified electrician if you are unsure about the installation process.
- Ensure all electrical connections comply with local codes and ordinances, as well as the National Electric Code (NEC).
- Do not install in locations directly exposed to water spray or submersion. While damp-rated, direct water contact should be avoided.
- Do not modify the fixture or its components.
- Handle with care. Avoid dropping the light or junction box.
- This product is designed for 120V AC circuits only.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Recessed Lights (12 units)

- Junction Boxes (12 units)
- Cutting Template (1 unit)
- Instruction Manual (this document)



Image: Overview of the Ensenior 6 Inch LED Recessed Ceiling Light, showing the light fixture, junction box, and connecting cable. Twelve units are typically included in a pack.

SPECIFICATIONS

Feature	Detail
Brand	Ensenior
Model Number	6I-4000K-12PACK
Light Color	4000K Cool White
Brightness	1050 Lumens
Wattage	12 Watts
Voltage	120 Volts
Product Dimensions	6.69"L x 6.69"W x 0.94"H
Cutting Diameter	6 Inches (Recommended hole sizes: 6.22" ~ 6.6")
Material	Aluminum
Lifespan	Up to 50,000 hours
Certifications	ETL, FCC, IC Rated, Energy Star certified, UL-listed wire terminals
Dimmability	5%-100% smooth dimming
Application	Indoor use, suitable for damp locations

Product Dimension



Image: Detailed product dimensions, including the light fixture and junction box, with recommended hole sizes for installation.

INSTALLATION GUIDE

Follow these steps for a hassle-free installation. Ensure power is OFF at the circuit breaker before starting.

Hassle-Free Installation



Image: Visual guide illustrating the four main steps for installing the recessed light: cutting the hole, connecting wiring, connecting the light panel, and mounting the light.

1. Step 1: Cut a Hole

Use the provided cutting template to mark the desired location on the ceiling. Cut a hole of approximately 6.22 to 6.6 inches (15.8 to 16.8 cm) in diameter. Ensure there are no obstructions (like joists or pipes) within the ceiling space where the light will be installed.

2. Step 2: Connect Wiring

Open the junction box. Connect the household electrical wires (Live, Neutral, Ground) to the corresponding quick connectors inside the junction box. Ensure all connections are secure. The junction box is designed to be IC rated,

allowing it to be in direct contact with insulation.

3. **Step 3: Connect Light Panel**

Connect the male connector from the recessed light fixture to the female connector extending from the junction box. Ensure the connection is firm and fully seated.

4. **Step 4: Mount Light**

Carefully push the junction box into the ceiling hole. Then, push the recessed light fixture into the hole. The spring-loaded clips on the sides of the light will automatically snap into place, securing the fixture firmly against the ceiling surface.

Note: Use only the included junction box. Using junction boxes from other brands may cause voltage issues or light failure.

OPERATING INSTRUCTIONS

The Ensenior LED Recessed Ceiling Light is designed for simple operation once installed.

Dimmable Functionality

This light supports 5%-100% smooth dimming, allowing you to adjust the brightness to your desired level. It is compatible with most Lutron dimmers. For optimal performance and to avoid flickering, ensure you use a compatible LED dimmer switch.

5%-100% Smooth Dimming

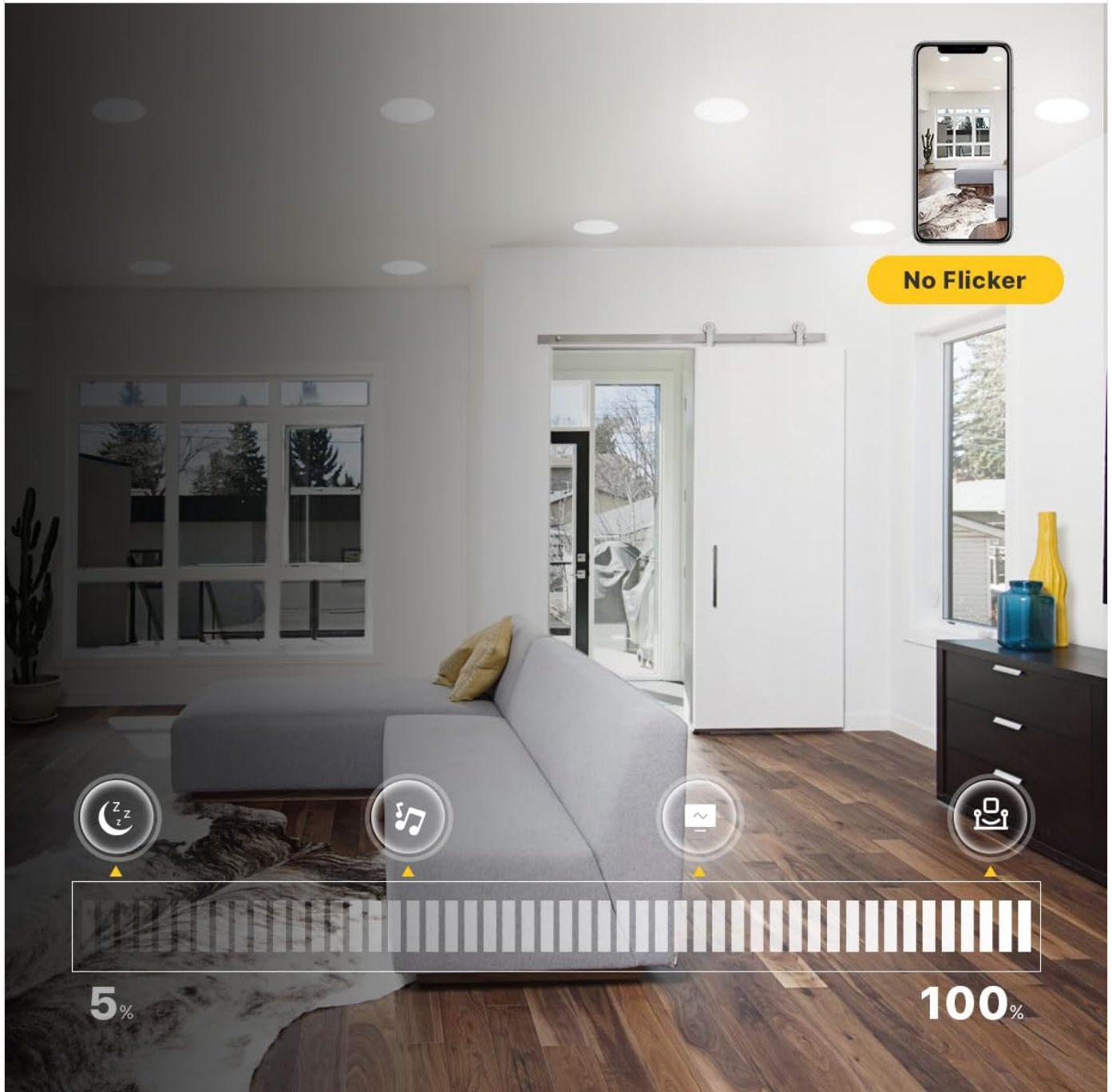


Image: Depiction of the smooth dimming capability, showing a range from 5% to 100% brightness without flicker.

Dimmer Compatibility

Refer to the table below for a list of compatible Lutron and Zooz dimmer models. Other models may also be suitable, but these have been tested for compatibility.

Dimmer Compatibility Guide

Lutron		FP: Forward Phase Control	RP: Reverse Phase Control
Model	Rating	Model	Rating
DVCL-153P(FP)	★★★★★	RRD-6NA(RP)	★★★★★
DVCL-253P(FP)	★★★★★	MSCL-OP153M(FP)	★★★★☆
DVWCL-153PH(FP)	★★★★★	MSCL-VP153M(FP)	★★★★☆
LECL-153P(FP)	★★★★☆	DVRP-253P(FP)	★★★★☆
LGCL-153P(FP)	★★★★☆	MA-PRO(RP)	★★★★☆
SCL-153P(FP)	★★★★☆	RRD-PRO(RP)	★★★★☆
AYCL-153P(FP)	★★★★☆	GT-5NEM(RP)	★★★★☆
TGCL-153PH(FP)	★★★★☆	NTRP-250(RP)	★★★★☆
CTCL-153P(FP)	★★★★☆	CTRP-253P(RP)	★★★★☆
CTCL-150H(FP)	★★★★☆	PD-6WCL(FP)	★★★★★
STCL-153P(FP)	★★★★☆	PD-10NXD(FP)	★★★★★
MACL-153M(FP)	★★★★★	P-BDG-PKG1P(FP)	★★★★★
MACL-153M-RHM(FP)	★★★★★	PD-5NE(RP)	★★★★★
MA-PRO(FP)	★★★★★		

Zooz	
Model	Rating
Zen27(FP)	★★★★★



Note: Other models may also be suitable.

Image: A compatibility chart listing various Lutron (Forward Phase Control and Reverse Phase Control) and Zooz dimmer models with their respective performance ratings when used with Ensenior lights.

MAINTENANCE

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

- **Cleaning:** Ensure power is off before cleaning. Wipe the light fixture gently with a soft, dry cloth. Do not use abrasive cleaners, solvents, or cleaners containing alcohol, as these can damage the finish or electrical

components.

- **Inspection:** Periodically check the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **Bulb Replacement:** This LED fixture does not have replaceable bulbs. The integrated LED chips are designed to last for the entire lifespan of the product (up to 50,000 hours).

TROUBLESHOOTING

If you encounter issues with your Ensenior LED Recessed Ceiling Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture; loose wiring connection; faulty switch or circuit breaker.	Check circuit breaker and wall switch. Ensure all wiring connections in the junction box are secure. Test the circuit with another device.
Light flickers or dims inconsistently.	Incompatible dimmer switch; loose wiring; voltage fluctuations.	Ensure you are using a compatible LED dimmer (refer to the compatibility guide). Check wiring connections. If flickering persists, consult an electrician.
Light is not as bright as expected.	Dimmer setting is too low; incorrect installation.	Adjust the dimmer to maximum brightness. Verify the light is fully connected to the junction box.
Buzzing noise from the light.	Incompatible dimmer switch; electrical interference.	Replace the dimmer with a compatible LED dimmer. Ensure proper grounding.

If the problem persists after trying these solutions, please contact Ensenior customer support.

WARRANTY AND SUPPORT

Ensenior stands behind the quality of its LED recessed lighting products.

5-Year Warranty

This product is covered by a 5-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

Customer Support

Ensenior is committed to your satisfaction. Our friendly customer service team is available to address your concerns and provide support within 12 hours.

- For technical assistance, troubleshooting, or warranty claims, please contact Ensenior customer service through the retailer's platform or visit the official Ensenior website.
- Please provide your product model number (6I-4000K-12PACK) and purchase details when contacting support.



Image: Information graphic highlighting Ensenior's commitment to exceptional service, including 12-hour quick response, 5 years coverage, and new replacement policy.