

EcoSmart NB01aA10FR1-279

EcoSmart 6 in. Integrated LED Recessed Light Trim User Manual

Model: NB01aA10FR1-279 | Brand: EcoSmart

1. IMPORTANT SAFETY INFORMATION

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 property damage or personal injury.

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- **WARNING:** Risk of fire. Use only in circuits rated for 120V AC.
- Consult a qualified electrician if you are unsure about the installation process.
- Do not alter or modify the product in any way.
- Ensure all electrical connections are made in accordance with local codes and ordinances.
- This device is dimmable. Ensure compatible dimmer switches are used.

2. PACKAGE CONTENTS

Verify that all components are present before proceeding with installation.

- 4 x EcoSmart 6 in. Integrated LED Recessed Light Trim
- 4 x Junction Box (attached to each light trim)
- Installation Hardware (e.g., wire nuts, mounting clips)



Image 1: The EcoSmart 6-inch Integrated LED Recessed Light Trim 4-pack as it appears in its retail packaging. The image displays four white, round LED light trims with attached wiring and junction boxes, indicating a complete set for installation.

3. PRODUCT FEATURES

- **Integrated LED Technology:** No bulbs to replace, offering long-lasting illumination.
- **Canless Design:** Eliminates the need for a traditional recessed housing, simplifying installation.
- **Dimmable:** Compatible with most standard LED dimmers for adjustable light output.
- **Soft White Light:** Provides a warm and inviting 2700K color temperature.
- **High Brightness:** Delivers 650 lumens of light output.
- **Energy Efficient:** Uses only 10 watts, equivalent to a 65-watt incandescent bulb.
- **Long Lifespan:** Rated for 35,000 hours, providing approximately 31 years of life based on 3 hours/day usage.
- **Shatter-Resistant:** Durable construction for enhanced safety.

4. SPECIFICATIONS

Feature	Detail
Model Number	NB01aA10FR1-279

Feature	Detail
Manufacturer	EcoSmart
Size	6 inch
Light Type	Integrated LED
Color Temperature	Soft White (2700K)
Luminous Flux	650 Lumens
Wattage	10 Watts
Voltage	120 Volts
Lifespan	35,000 Hours
Dimmable	Yes
Material	Copper
Mounting Type	Wall
Item Weight	1.83 pounds (for the pack)
Package Dimensions	8.43 x 7.76 x 7.17 inches

Note: "Mounting Type: Wall" from product specifications may be a general classification. This product is designed for recessed ceiling installation.

5. SETUP AND INSTALLATION

This recessed light trim is designed for both new construction and remodel applications without the need for a separate recessed housing.

Tools Required:

- Safety Glasses
- Gloves
- Wire Strippers
- Screwdriver
- Hole Saw (6.25 inches recommended for a snug fit)

Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse box and turn off the power to the area where you will be installing the light. Verify power is off with a voltage tester.
2. **Cut Hole (if necessary):** Using a 6.25-inch hole saw, cut a circular opening in the ceiling at the desired location. Ensure there are no obstructions (joists, pipes, wires) behind the ceiling.
3. **Open Junction Box:** Open the cover of the integrated junction box attached to the LED light trim. Remove the appropriate knockout(s) for your electrical wiring.
4. **Connect Wiring:** Feed the electrical supply cable into the junction box. Using wire nuts, connect the house wiring to the light fixture's wiring:
 - Black (Live) to Black (Live)

- White (Neutral) to White (Neutral)
- Green or Bare Copper (Ground) to Green (Ground)

Ensure all connections are secure.

5. **Secure Junction Box:** Place all wires and wire nuts neatly inside the junction box and close the cover securely.
6. **Insert into Ceiling:** Gently push the junction box and the light fixture up into the ceiling opening. The spring-loaded clips on the sides of the light trim will automatically engage and secure the fixture to the ceiling.
7. **Adjust Position:** Ensure the light trim is flush with the ceiling surface.
8. **Restore Power:** Turn the power back on at the circuit breaker or fuse box. Test the light fixture.

6. OPERATING INSTRUCTIONS

The EcoSmart Integrated LED Recessed Light Trim operates like a standard light fixture. Simply use your wall switch to turn it on or off.

Dimmable Functionality:

This fixture is designed to be dimmable. If connected to a compatible LED dimmer switch, you can adjust the light output from 100% brightness down to a lower level. Refer to your dimmer switch's instructions for specific operation details.

- Ensure your dimmer switch is rated for LED lighting.
- Incompatible dimmers may cause flickering or improper operation.

7. MAINTENANCE

The EcoSmart Integrated LED Recessed Light Trim requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **No Bulb Replacement:** This fixture features integrated LED technology, meaning the LED light source is built into the unit and cannot be replaced. The long lifespan of 35,000 hours ensures years of maintenance-free operation.

8. TROUBLESHOOTING

If you experience issues with your EcoSmart LED Recessed Light Trim, 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.	Check circuit breaker/fuse. Verify all wire connections are secure (with power off). Test the switch with another device or replace if faulty.
Light flickers or dims inconsistently.	Incompatible dimmer switch; loose wiring; voltage fluctuations.	Ensure dimmer is rated for LED lighting. Check all wiring connections (with power off). Consult an electrician if voltage issues are suspected.

Problem	Possible Cause	Solution
Light is not as bright as expected.	Dimmer setting is too low; incorrect installation.	Adjust dimmer to maximum brightness. Review installation steps to ensure proper wiring.

If troubleshooting steps do not resolve the issue, contact EcoSmart customer support or a qualified electrician.

9. WARRANTY INFORMATION

EcoSmart products typically come with a limited warranty covering defects in materials and workmanship. For specific warranty details, including duration and terms, please refer to the warranty card included with your purchase or visit the official EcoSmart website. Keep your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact EcoSmart customer service. Contact information can usually be found on the product packaging or the official EcoSmart website.

Website: www.ecosmart.com

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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.

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