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Amico HS-STC509WH

Amico 4-Inch 5CCT Ultra-Thin LED Recessed Downlight

Model: HS-STC509WH

1. INTRODUCTION

This manual provides detailed instructions for the safe installation, operation, and maintenance of your Amico 4-Inch 5CCT Ultra-Thin LED Recessed Downlight. Please read this manual thoroughly before installation and retain it for future reference. These downlights are designed for residential and commercial indoor use, offering selectable color temperatures and dimmable functionality.



Image 1.1: Amico 4-Inch 5CCT Ultra-Thin LED Downlight in a modern living space, highlighting its sleek design and integrated lighting.

2. SAFETY INFORMATION

WARNING: Risk of fire or electric shock. Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

- Disconnect power at the circuit breaker before installation or servicing.

- Ensure all electrical connections comply with local codes and ordinances, as well as the National Electric Code (NEC).
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- This product is IC Rated, meaning it is suitable for direct contact with insulation.
- The fixture is designed for 120V AC operation.

Amico

Metal Material

Safety & sturdy & durable

Others Plastic

- ❌ Low Heat Dissipation 0.2W/mk
- ❌ Easy to break and scratch
- ❌ Fire-prone risks

Ours Aluminum

- ✅ Superior Heat Dissipation 48W/mk
- ✅ Sturdy & durable
- ✅ ETL certified, no fire hazard

Image 2.1: Comparison illustrating the robust aluminum construction of Amico downlights for enhanced safety and durability, contrasting with plastic alternatives prone to aging and fire risks.

3. PACKAGE CONTENTS

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

- Amico 4-Inch Ultra-Thin LED Recessed Downlight (Quantity: 36)
- Junction Box (Quantity: 36)
- Installation Template (Quantity: 1)



Image 3.1: Overview of the Amico 36-pack 4-inch LED recessed downlights, showing the lights and junction boxes included.

4. SPECIFICATIONS

Specification	Value
Brand	Amico
Model Name	HS-STC509WH
Size	4 Inch
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K (Selectable)
Wattage	10 Watts (Equivalent to 60W Halogen)
Brightness	700 Lumens
Voltage	120 Volts

Dimmable	Yes (5-100%)
Material	Aluminum
Installation Type	Flush Mount (Canless)
Certifications	ETL, FCC, IC Rated
Product Dimensions	4.72"L x 4.72"W x 1.18"H
Advised Hole Cutout Size	4.35 inches
Lifespan	50,000 hours



Image 4.1: Amico recessed light highlighting its ETL certification and 5-year warranty, ensuring product reliability and safety.

Dimensions

Advised hole cutout size: 4.35"

No HOUSING
NEEDED

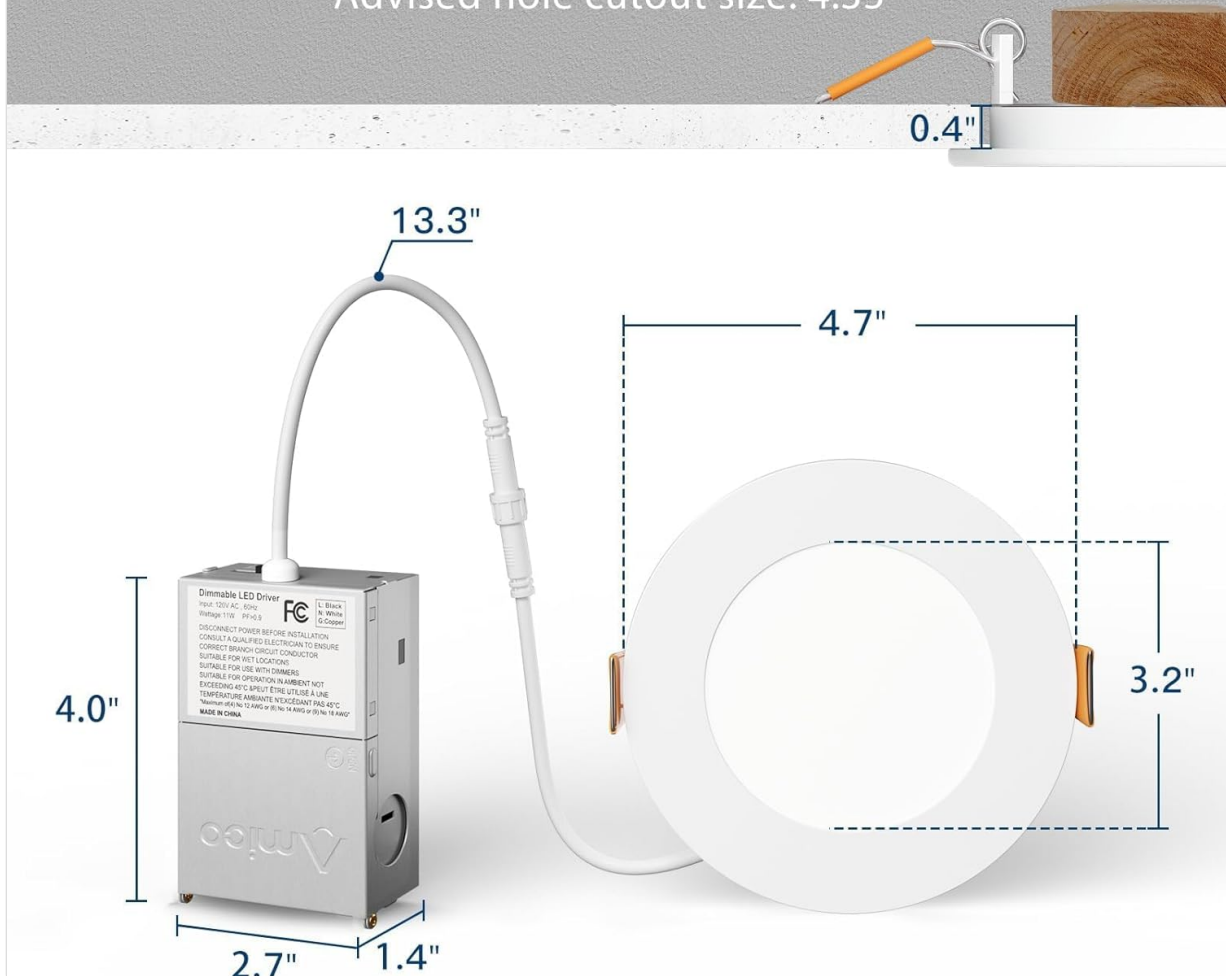


Image 4.2: Detailed dimensions of the Amico 4-inch recessed downlight and its junction box, including the recommended 4.35-inch hole cutout size for installation.

5. INSTALLATION INSTRUCTIONS

Follow these steps for a safe and proper installation. Ensure power is OFF at the circuit breaker before beginning.

- 1. Prepare the Ceiling:** Use the provided 1:1 hole template to mark the desired location on the ceiling. Cut a 4.35-inch diameter hole using a hole saw. Ensure there are no obstructions (joists, pipes, wires) in the ceiling space.
- 2. Connect Wiring to Junction Box:** Open the junction box cover. Remove the appropriate knockout(s) for your wiring. Insert the electrical supply cable (e.g., Romex) into the junction box and secure it with a suitable cable connector (not included, typically required by code). Connect the house wiring to the junction box wires:
 - Connect the **black** wire from the house to the **black** wire of the junction box.
 - Connect the **white** wire from the house to the **white** wire of the junction box.
 - Connect the **ground** wire from the house to the **green** wire of the junction box.

Secure connections with wire nuts. Close the junction box cover.

3. **Select Color Temperature (CCT):** Before mounting, locate the CCT selector switch on the side of the junction box. Choose your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K).
4. **Connect Light Panel to Junction Box:** Plug the male connector from the light panel into the female connector on the junction box. Ensure a secure connection.
5. **Mount the Light:** Gently push the junction box through the cutout hole into the ceiling cavity. Then, push the light fixture into the hole. The spring clips on the sides of the light will automatically engage and secure the fixture to the ceiling.
6. **Restore Power:** Turn the power back ON at the circuit breaker. Test the light fixture.



Image 5.1: Step-by-step installation guide for the Amico recessed downlight, demonstrating the ease of installation without a traditional can.



Image 5.2: Illustration of the versatile installation capabilities, fitting various ceiling types including soffit, single drywall, and double drywall.

6. OPERATING INSTRUCTIONS

6.1. Color Temperature Selection (CCT)

Your Amico recessed downlight features 5 selectable color temperatures. The CCT switch is located on the side of the junction box. Before final installation, select your preferred color temperature:

- **2700K (Soft White):** Ideal for bedrooms and cozy living spaces.
- **3000K (Warm White):** Suitable for bathrooms and general ambient lighting.
- **3500K (Neutral White):** Good for studies, offices, and task lighting.
- **4000K (Cool White):** Recommended for kitchens and workspaces requiring brighter light.
- **5000K (Daylight):** Best for areas needing maximum brightness, such as living rooms or utility areas.

5 CCT in One

Free to choose any ambiance you want



Image 6.1: Examples of different color temperatures applied in various room settings, demonstrating the versatility of the 5CCT feature.

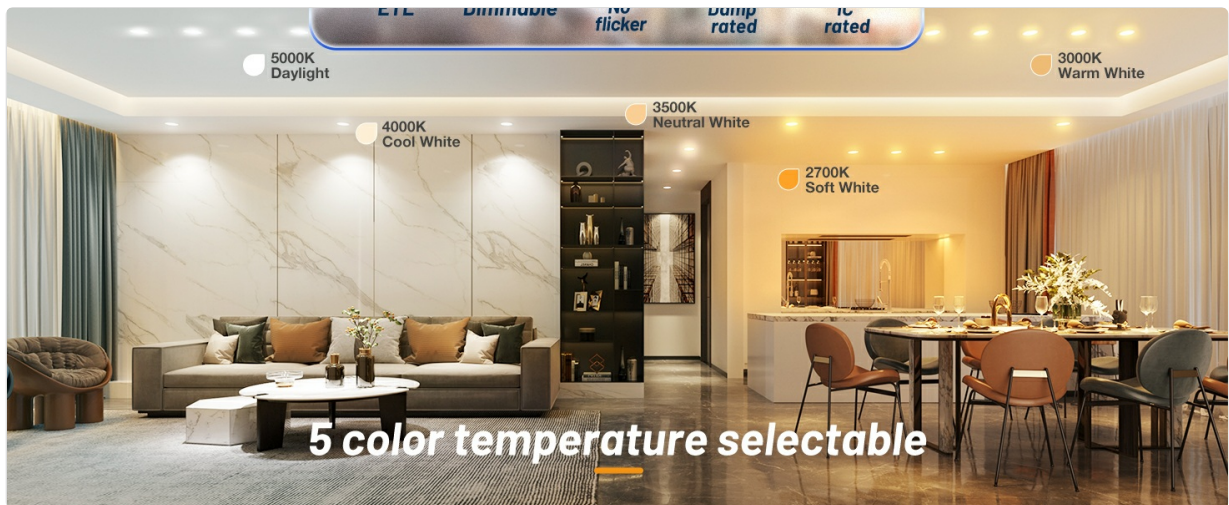


Image 6.2: Visual representation of the 5-color temperature selectable feature, showing the range from cool daylight to warm soft white.

6.2. Dimming Functionality

These downlights are dimmable from 5% to 100% with compatible LED dimmers. For optimal performance,

use a dimmer switch designed for LED lighting. **Smart dimmers are generally not recommended** as they may cause compatibility issues or flickering.



Image 6.3: Compatibility chart for recommended dimmer switches, including models from Amico, Lutron, and Leviton, with a caution against using smart dimmers.

7. MAINTENANCE

The Amico LED Recessed Downlights are designed for long-term, maintenance-free operation. However, general care can help preserve their appearance and performance.

- **Cleaning:** Ensure power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the light. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish or electrical components.
- **Bulb Replacement:** The LED light source is integrated and not user-replaceable. The fixture has a rated lifespan of 50,000 hours.
- **Inspection:** Periodically inspect the fixture 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 Amico LED Recessed Downlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn ON	No power supply Loose wiring connection Faulty light fixture	Check circuit breaker and wall switch. Ensure all wiring connections in the junction box are secure (power off first). If other lights on the same circuit work, the fixture may be faulty. Contact customer support.

Light flickers	Incompatible dimmer switch Loose wiring Voltage fluctuations	Ensure you are using an LED-compatible dimmer. Avoid smart dimmers. Refer to Section 6.2. Check all wiring connections (power off first). Consult an electrician to check household voltage stability.
Incorrect color temperature	CCT switch set incorrectly	Before mounting, ensure the CCT switch on the junction box is set to your desired color temperature. This cannot be changed after installation without removing the fixture.
Light is too dim or too bright	Dimmer setting CCT choice	Adjust the dimmer switch to your preferred brightness level. A higher CCT (e.g., 5000K) will appear brighter than a lower CCT (e.g., 2700K) even at the same lumen output.

9. WARRANTY AND SUPPORT

Amico LED Recessed Downlights are certified by ETL and FCC, ensuring high standards of quality and safety. The product comes with a **5-year warranty**.

If you have any questions, require technical assistance, or need to report an issue, please contact Amico customer support. Our team is committed to addressing your concerns within 12 hours.

For further information or support, please visit the [Amico Store on Amazon](#).