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> Amico 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light Instruction Manual

Amico HS-STCP512W

Amico 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light Instruction Manual

Model: HS-STCP512W

1. INTRODUCTION

Thank you for choosing the Amico 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting fixture. Please read these instructions thoroughly before installation and retain them for future reference.



Image 1.1: Amico 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light.

This ultra-thin LED recessed light features a 5-in-1 selectable color temperature (2700K, 3000K, 3500K, 4000K, 5000K), 1050 lumens brightness, and is dimmable. Designed for easy installation without a traditional can, it is IC rated for direct contact with insulation and suitable for various indoor applications.

Amico

Brightness Ceiling Recessed Light

Updated LED chips with higher lumens and lower power



Image 1.2: Key features of the Amico Ultra-Thin LED Recessed Ceiling Light.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Ensure all electrical connections are secure and comply with local codes and ordinances.
- Do not modify the fixture or its components.
- Do not install in areas with direct water spray or standing water. This fixture is damp-rated, suitable for humid environments like bathrooms and covered outdoor areas (soffits), but not for direct water exposure.
- **IMPORTANT:** Do not turn on the switch until the light panel is securely connected to the junction box.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Junction Box

- LED Recessed Lights

4. SPECIFICATIONS

Specification	Detail
Brand	Amico
Model Number	HS-STCP512W
Size	6 Inch
Color Temperature (CCT)	2700K, 3000K, 3500K, 4000K, 5000K Selectable
Brightness	1050 Lumens
Wattage	12 Watts
Voltage	120 Volts
Dimmable	Yes (5%-100%)
Material	Plastic
Life Span	50,000 Hours
Certifications	ETL, FCC, IC Rated
Room Type	Living Room, Bedroom, Bathroom, Kitchen, Workplace, Basement, Dining Room, Office
Indoor/Outdoor Usage	Indoor (Damp Rated)
Item Dimensions (L x W x H)	6.69"L x 6.69"W x 0.59"H

Ultra-Thin Ceiling Light Features

Advised hole cutout size: 6.25"



Image 4.1: Dimensions of the Amico 6 Inch Recessed Light and Junction Box.

5. INSTALLATION GUIDE

The Amico ultra-thin recessed lighting is designed for easy installation in both retrofit and new construction. No can housing is needed, requiring only 2 inches of ceiling space. Always ensure power is disconnected before starting installation.

5.1 Pre-Installation Steps

1. **Turn off Power:** Ensure the power supply to the installation area is completely turned off at the circuit breaker.
2. **Determine Location:** Choose the desired location for your recessed light.
3. **Cut Hole:** Use the provided 1:1 hole template to mark and cut a hole in the ceiling. The advised hole cutout size is 6.25 inches.
4. **Select Color Temperature (CCT):** Before connecting the light, open the junction box and locate the CCT selection switch. Slide the switch to your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K). This setting cannot be changed once the light is installed without removing it.



Image 5.1: Example of 5 CCT options for different room settings.

5.2 Wiring and Mounting

1. **Connect Wiring:** Open the plastic junction box. Remove the appropriate knockout(s) and connect the electrical wires (live, neutral, ground) from your ceiling to the corresponding wires inside the junction box using the provided wire nuts. Secure the connections.
2. **Connect Fixture to Junction Box:** Connect the cable from the LED light panel to the cable extending from the junction box. Ensure a secure connection.
3. **Place Junction Box:** Carefully push the wired junction box through the cutout hole into the ceiling cavity.
4. **Mount Light:** Push the spring clips on the sides of the light fixture upward. Insert the light fixture into the ceiling hole. The spring clips will automatically secure the fixture against the ceiling.
5. **Restore Power:** Once the fixture is securely installed, restore power at the circuit breaker.



Stepless Dimming

Matches most dimmers on the market

5% **100%**

LUTRON	LEVITON	
AYCL-153P	MACL-153M	1G4411
CLDVSL-153P-WH	PD-6WCL	1PL06
CT-600P	S600-P	6672-1LW
CTCL-153P	SCL-153P	DSL06
DVCL-153P	TGCL-153P	DSM10-decora

Image 5.2: Step-by-step visual guide for Amico recessed light installation.

Wide application

Fits as small as 2 inches ceiling spaces

Bedroom
Kitchen
Living Room
Study
Garage

Image 5.3: Amico recessed lights are suitable for various ceiling types including soffit, single drywall, and double drywall.

5.3 Installation Video

Video 5.1: This video demonstrates the step-by-step installation process for the Amico 6 Inch 5CCT Ultra-Thin LED Recessed Ceiling Light, including wiring the junction box and mounting the fixture.

6. OPERATING INSTRUCTIONS

6.1 Color Temperature Selection

The Amico recessed light offers 5 selectable color temperatures (2700K, 3000K, 3500K, 4000K, 5000K). The desired CCT must be selected using the switch located on the side of the junction box **before** installation. Once installed, the CCT setting is fixed until the fixture is removed.



Image 6.1: Visual representation of the 5 color temperature options.

6.2 Dimming Functionality

This fixture is designed for stepless dimming from 5% to 100% with compatible LED dimmers. Ensure you use a dimmer switch that is compatible with LED lighting to avoid flickering or performance issues.

Dimensions

Advised hole cutout size: 6.25"

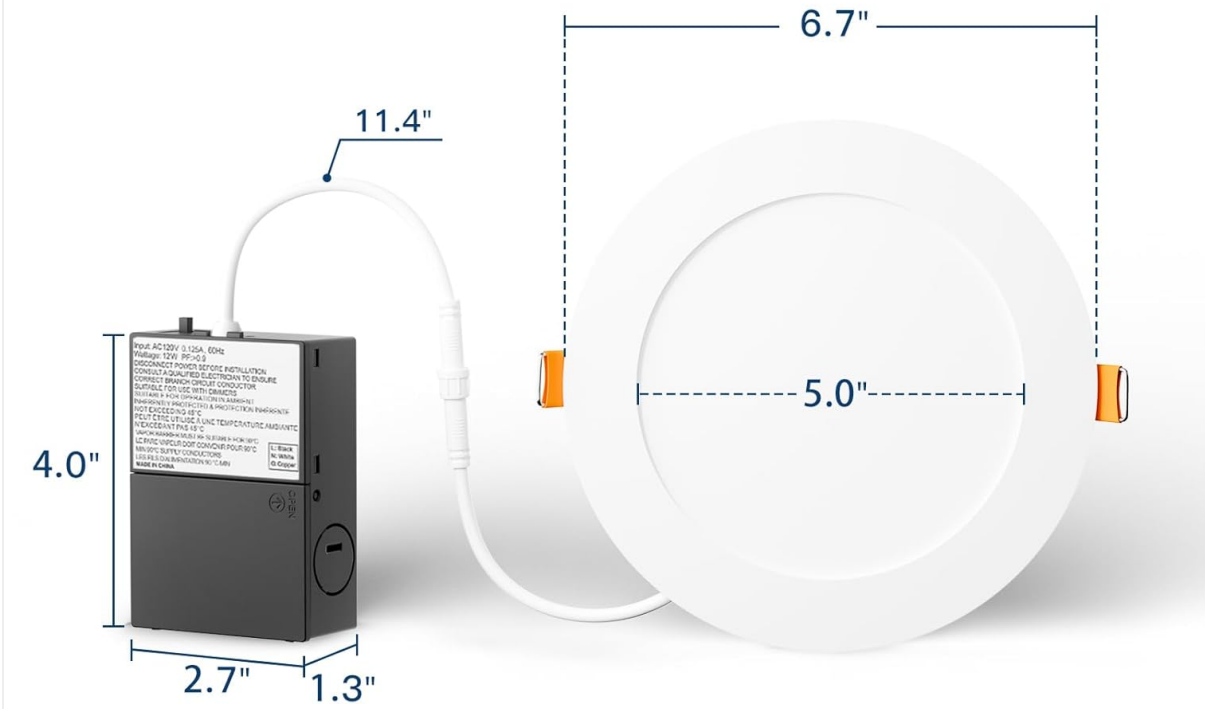


Image 6.2: Stepless dimming range and compatible dimmer brands.

Compatible Dimmers List

Brand	Model	Adaptation
LUTRON	AYCL-153P	★ ★ ★ ★ ↓
	CLDVSL-153P-WH	★ ★ ★ ★ ↓
	CT-600P	★ ★ ★ ★ ↓
	CTCL-153P	★ ★ ★ ★ ↓
	DV600P	★ ★ ★ ★ ↓
	DVCL-153P	★ ★ ★ ★ ↓
	IPL06	★ ★ ★ ★ ↓
	MACL-153M	★ ★ ★ ★ ↓
	PD-6WCL	★ ★ ★ ★ ↓
	SCL-153P	★ ★ ★ ★ ↓
LEVITON	1G4411	★ ★ ★ ★ ↓
	IPL06	★ ★ ★ ★ ↓
	6681	★ ★ ★ ★ ↓
	6674	★ ★ ★ ★ ↓
	SELV-300P-WH	★ ★ ★ ★ ↓
	DSL06	★ ★ ★ ★ ↓
DSM10-decora	★ ★ ★ ★ ↓	

5%-100% Dimmable

Match most of the dimmers in the market



Image 6.3: Brightness dimming range from 5% to 100%.

6.3 Compatible Dimmers

For optimal dimming performance, use the following compatible dimmer models:

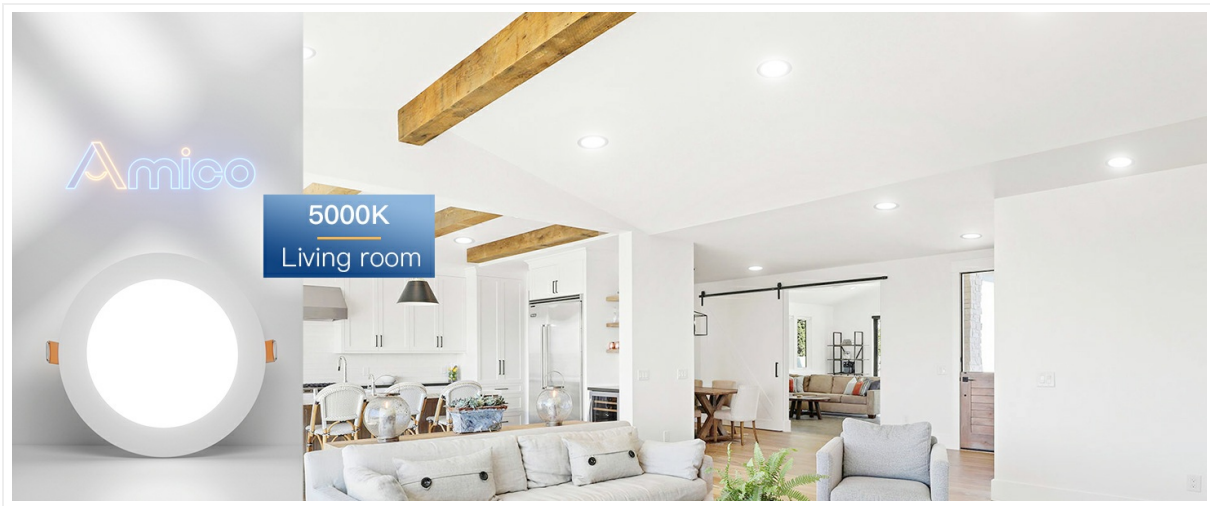


Image 6.4: List of compatible dimmer models from Lutron and Leviton.

The Amico recessed lights are designed to operate without flicker or noise when used with compatible dimmers.



Image 6.5: No flicker and noise operation.

7. MAINTENANCE

The Amico LED recessed light requires minimal maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry, or slightly damp cloth. Do not use harsh chemicals, abrasive cleaners, or solvents, as these can damage the finish or electrical components.
- **Damp Environments:** This fixture is damp-rated, making it suitable for humid locations. However, avoid direct water spray or prolonged exposure to standing water.
- **No User-Serviceable Parts:** The LED light source is integrated and not user-replaceable. Do not attempt to disassemble the fixture.

8. TROUBLESHOOTING

If you experience issues with your Amico LED recessed light, refer to the following common troubleshooting steps:

- **Light Does Not Turn On:**

- Check if the power supply at the circuit breaker is on.
- Verify all wiring connections in the junction box are secure.
- Ensure the connection between the light panel and the junction box is firm.
- **Light Flickers or Buzzes:**
 - Ensure you are using a compatible LED dimmer switch. Refer to the list of compatible dimmers in Section 6.3.
 - Check for loose wiring connections.
 - Some dimmers may require adjustment of their low-end trim setting to prevent flickering at low brightness levels. Consult your dimmer's instruction manual.
- **Incorrect Color Temperature:**
 - The CCT selection switch on the junction box must be set before installation. If the CCT is incorrect, the fixture must be carefully removed to access and adjust the switch.

If these steps do not resolve the issue, please contact Amico customer support.

9. WARRANTY AND SUPPORT

Amico provides a **5-year warranty** for this product, covering defects in materials and workmanship under normal use. This warranty does not cover damage caused by improper installation, misuse, abuse, or acts of nature.

For warranty claims, technical assistance, or any questions regarding your Amico LED recessed light, please contact our customer support team. Our team is committed to addressing your concerns within 12 hours.

Please visit the official Amico website or refer to your purchase documentation for specific contact details.