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> Amico 6 Inch LED Emergency Recessed Light User Manual

## Amico BA180G122020L02

# Amico 6 Inch LED Emergency Recessed Light User Manual

Model: BA180G122020L02

## 1. PRODUCT OVERVIEW

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The Amico 6 Inch LED Emergency Recessed Light is a versatile lighting solution designed for both daily illumination and emergency situations. This ultra-thin downlight features a built-in battery backup system that provides at least 90 minutes of emergency lighting during power outages. It offers 5 selectable color temperatures (2700K, 3000K, 3500K, 4000K, 5000K) and is dimmable from 10% to 100%. The integrated emergency drive simplifies installation, making it suitable for various commercial and residential applications.

# 90 Min Emergency Lighting

Automatically enter battery-powered mode during outages



Image 1.1: Amico LED Emergency Recessed Light operating in both ordinary and emergency modes, illustrating its dual functionality.

## 2. WHAT'S IN THE BOX

Each package contains the following components:

- LED Recessed Light Fixture (6 Inch)
- Junction Box with Integrated Emergency LED Driver
- Instruction Manual

## 3. SPECIFICATIONS

Brand	Amico
Model Number	BA180G122020L02

Size	6 Inch
Wattage	16 Watts
Brightness	1100 Lumens
Color Temperature	5CCT Selectable (2700K, 3000K, 3500K, 4000K, 5000K)
Dimmability	10% - 100% (Triac Dimming)
Emergency Backup	90 Minutes minimum
Voltage	120 Volts
Certifications	ETL, FCC, UL, IC
Material	Aluminum, Metal
Life Expectancy	50,000 hours



## 4. SAFETY INFORMATION

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Please read all instructions carefully before installation and use. Retain this manual for future reference.

- **WARNING:** Risk of electric shock. Disconnect power at the circuit breaker before installation or servicing.
- Installation should be performed by a qualified electrician in accordance with national and local electrical codes.
- Do not modify or alter the product in any way.
- Ensure the product is compatible with your electrical system (120V).
- This product is rated for indoor use only and is not water resistant.
- The fixture is IC rated, suitable for direct contact with insulation.

## 5. INSTALLATION INSTRUCTIONS

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Follow these steps for proper installation of your Amico LED Emergency Recessed Light. No recessed can housing is required for this ultra-thin design.

1. **Step 1: Cut a Hole.** Using a hole saw, cut a 6.29-inch diameter hole in the ceiling at the desired location. Ensure there are no obstructions (joists, pipes, wires) in the ceiling space.
2. **Step 2: Open the Junction Box.** Open the cover of the integrated emergency LED driver junction box.
3. **Step 3: Connect Wiring.** Connect the household electrical wires (Live, Neutral, Ground) to the corresponding wires inside the junction box using appropriate wire connectors. Ensure all connections are secure.
4. **Step 4: Connect Light Panel.** Connect the cable from the light fixture to the cable extending from the junction box. Ensure the connection is firm.
5. **Step 5: Mount Light.** Push the spring-loaded clips on the side of the light fixture upwards and insert the fixture into the ceiling hole. Release the clips to secure the light in place.

# Dimensions

Advised hole cutout size: 6.29"

No HOUSING NEEDED

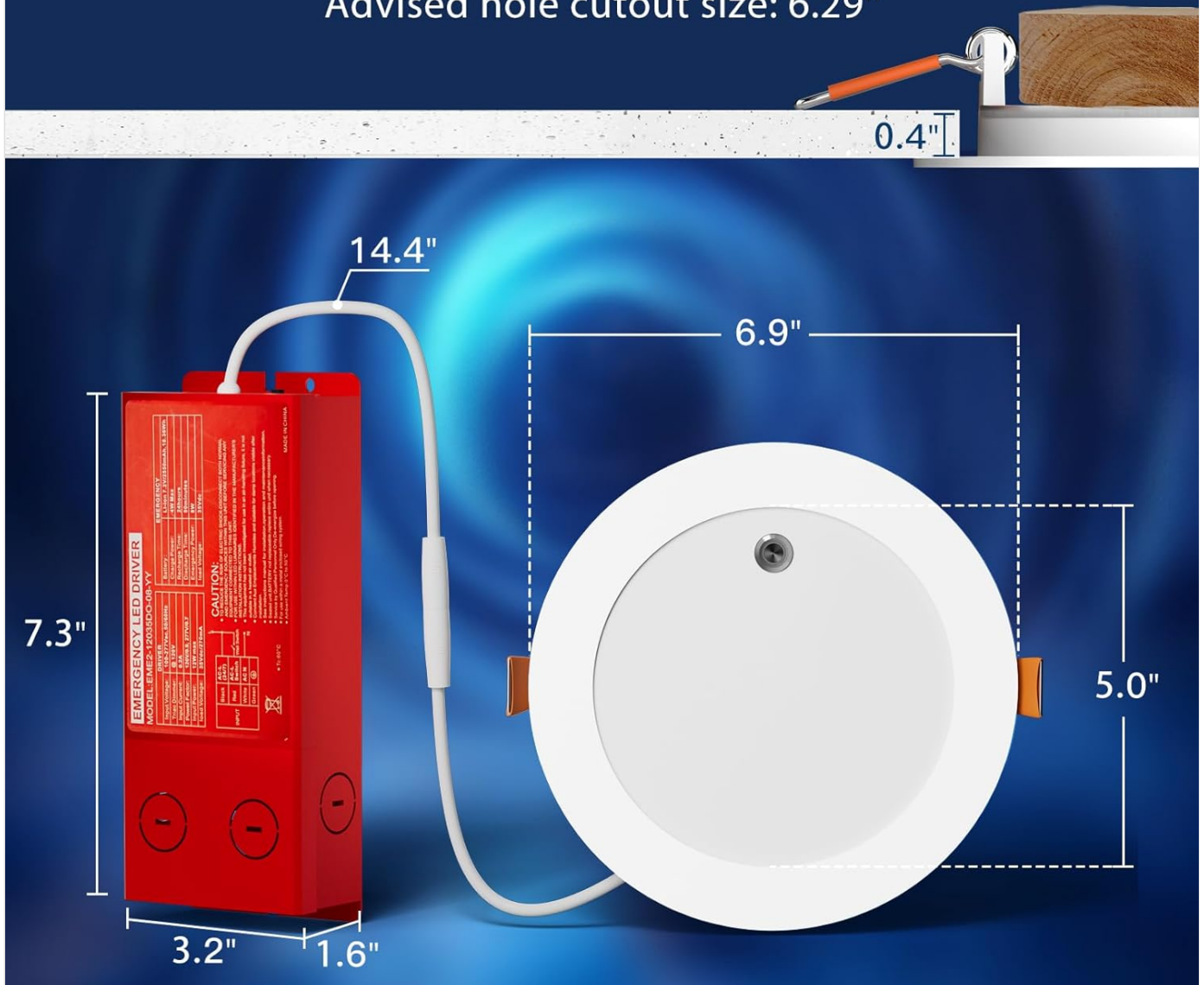


Image 5.1: Visual guide for the four-step installation process.

## Installation Video Guide

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Video 5.1: An official video demonstrating the installation process for the Amico Emergency Recessed Light. This video shows how to cut the hole, connect the wiring within the junction box, and mount the light fixture into the ceiling.

## 6. OPERATING INSTRUCTIONS

The Amico LED Emergency Recessed Light operates like a standard dimmable light fixture under normal power conditions.

- **Power On/Off:** Use your standard wall switch to turn the light on or off.
- **Color Temperature Selection:** The light features 5CCT selectable options. To change the color temperature, locate the switch on the side of the junction box. Select your desired color temperature (2700K, 3000K, 3500K, 4000K, or 5000K) before mounting the light or by accessing the junction box.
- **Dimming:** If connected to a compatible TRIAC dimmer switch, the light can be dimmed from 10% to 100% brightness.

Adjust the dimmer switch to achieve your preferred light level.

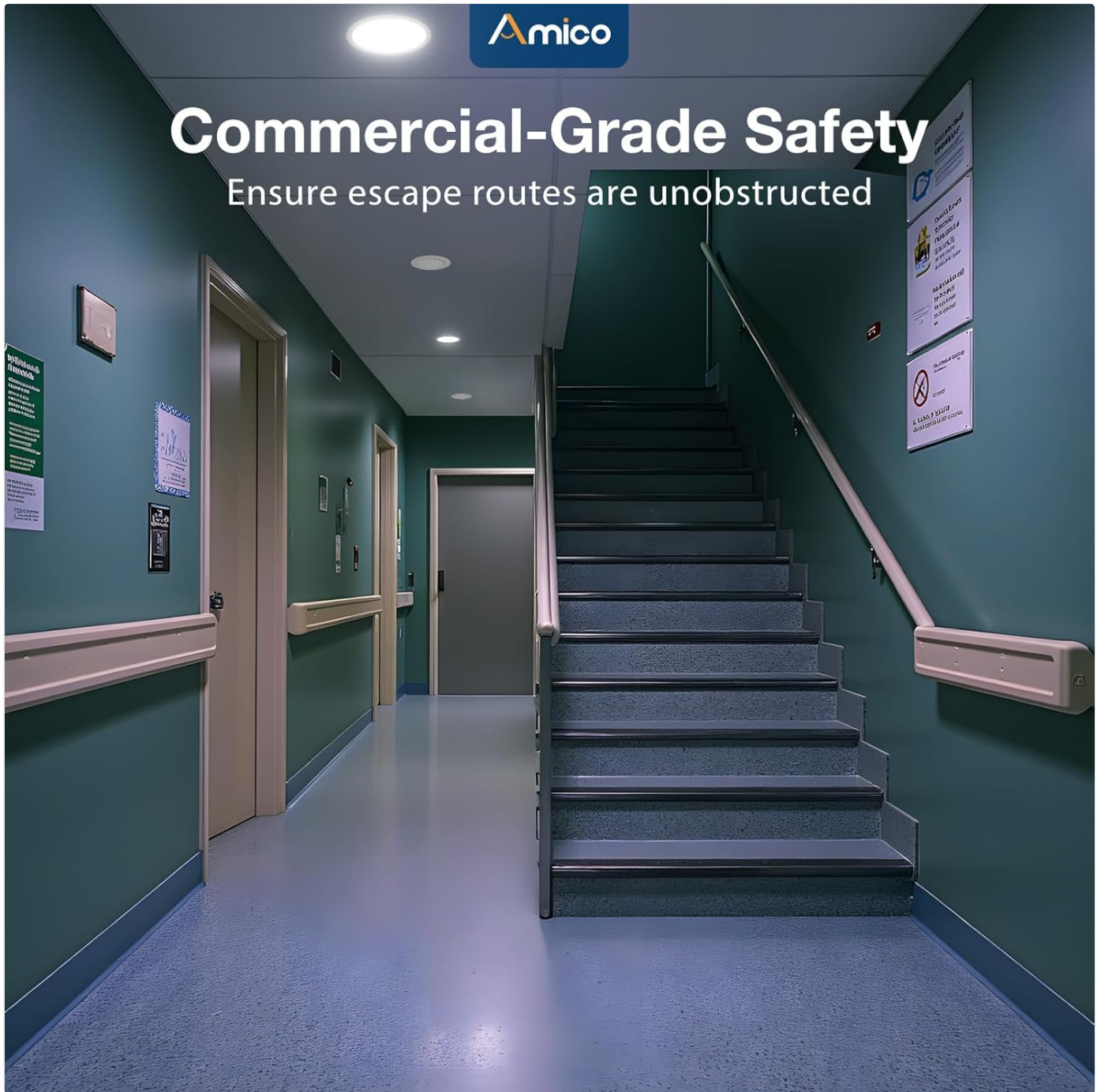


Image 6.1: Illustration of the 5 CCT selectable options available with the Amico recessed light.

# Stepless Dimming

Matches most dimmers on the market



Image 6.2: The light supports smooth dimming from 10% to 100%.

## 7. EMERGENCY LIGHTING FUNCTION

The integrated battery backup ensures continuous lighting during power interruptions.

- **Automatic Activation:** In the event of a power outage, the light will automatically switch to emergency mode, providing illumination for a minimum of 90 minutes.
- **Test Button:** A test button (indicator switch) is located on the light fixture. Press this button to manually test the emergency function and verify the battery backup is working correctly. The indicator light will show the status of the battery.
- **Recharge:** The battery automatically recharges when normal power is restored.



Image 7.1: The light features a test button for checking the 90-minute emergency lighting function.

## 8. MAINTENANCE

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Minimal maintenance is required for your Amico LED Emergency Recessed Light.

- **Cleaning:** Ensure power is off before cleaning. Wipe the fixture with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Test:** Regularly test the emergency battery function using the test button to ensure it is operating correctly. It is recommended to perform a full 90-minute discharge test annually to ensure battery health.
- **Battery Replacement:** The integrated battery is designed for long life. If the emergency function fails to provide 90 minutes of light after a full charge, contact customer support for assistance.

## 9. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Light does not turn on.	No power, loose wiring, faulty switch.	Check circuit breaker. Verify all wire connections. Test the wall switch.

Emergency light does not activate during power outage.	Battery not charged, faulty battery, internal issue.	Ensure power has been on for at least 24 hours to charge the battery. Press the test button. If issue persists, contact support.
Light flickers or makes noise.	Incompatible dimmer, loose connection.	Ensure dimmer is compatible (TRIAC). Check wiring connections.
Light does not dim.	Non-dimmable switch, incompatible dimmer.	Ensure a compatible TRIAC dimmer switch is installed.

## 10. WARRANTY AND SUPPORT

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This Amico LED Emergency Recessed Light is covered by a **5-year manufacturer's warranty** from the date of purchase, covering defects in materials and workmanship.

For warranty claims, technical assistance, or any questions regarding your product, please contact Amico customer support through the retailer where the product was purchased or visit the official Amico website.

Please have your model number (BA180G122020L02) and proof of purchase available when contacting support.