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Aqara CL-L02D

Aqara LED Ceiling Light T1M Instruction Manual

Model: CL-L02D

1. INTRODUCTION AND OVERVIEW

The Aqara LED Ceiling Light T1M is a smart lighting solution designed to enhance your home environment with versatile illumination. It features a primary light with tunable white temperatures (2700K-6500K) and a side light offering 16 million colors with RGB+IC gradient effects. This device supports Matter-over-bridge (requires a compatible Aqara hub) and integrates seamlessly with major third-party platforms like Apple HomeKit, Google Home, Alexa, and IFTTT, allowing for convenient voice control and smart automations.



Figure 1.1: Aqara LED Ceiling Light T1M with its packaging.

Key features include a 50,000-hour lifespan, easy installation, and energy efficiency through Zigbee protocol, which also allows it to act as a mesh repeater for a more reliable network. The RGB+IC side light can also function as a status indicator for various smart home events.

2. WHAT'S IN THE BOX

Verify that all components are present before proceeding with installation:

- Cover × 1
- Base Plate × 1
- Mounting Bracket × 1
- Self-Tapping Screw × 3
- Flat-Head Screw × 2
- Plastic Anchor × 3
- Metal Washer × 3
- Plastic Washer × 3
- User Manual × 1

Merging Compatibility with Matter Support



* For HomeKit, an Apple Home hub such as HomePod is required
** For Matter, a Matter Controller such as Amazon Echo or Google Nest Hub is required
*** For all the ecosystems, an Aqara hub is required

Figure 2.1: All components included with the Aqara LED Ceiling Light T1M.

3. SETUP AND INSTALLATION

WARNING: Before installation, the power must be cut off at the circuit breaker to prevent electric shock.

For detailed visual instructions, please refer to the official installation video below. The video covers product introduction, unboxing, preparation, and step-by-step installation for both standard and American versions.

Your browser does not support the video tag.

Video 3.1: Official Aqara Installation and Operation Video for LED Ceiling Light T1M. This video provides a comprehensive guide from unboxing to advanced features.

Installation Steps (General)

1. Ensure power is off at the circuit breaker.
2. Install the mounting bracket on the junction box using the flat-head screws. Ensure screw heads face downwards.
3. Mount the base plate to the mounting bracket. Screw tight the wing nuts to ensure a firm installation.

4. Lead out power cables through the rubber hole of the base plate.
5. Strip the wires by 6-8mm. Connect the live wire to the L hole, neutral wire to the N hole, and ground wire to the ground hole.
6. Hold the side of the light with both hands, align the base, and gently snap the cover clockwise. Make sure it is firmly attached to the base.

Note: For safety, please make sure that the cover is securely attached and poses no risk of falling. After installation, shake the cover from side to side to confirm that the ceiling light is securely in place.

4. OPERATING INSTRUCTIONS

The Aqara LED Ceiling Light T1M offers extensive control options through the Aqara Home app, allowing you to customize your lighting experience. The light features both a main light and a side light, which can be controlled independently or simultaneously.

Main Light Control

The main light provides tunable white illumination from 2700K (warm white) to 6500K (cool white). You can enable/disable the main light and adjust its brightness from 1% to 100% via the app. The Color Rendering Index (CRI) is above 90, ensuring vibrant and true-to-life colors.



Figure 4.1: Main light (tunable white) and side light (16 million colors) functionality.

Side Light Control (RGB+IC)

The side light offers 16 million colors and advanced RGB+IC gradient effects, allowing for dynamic and customized ambiance. You can enable/disable the side light, adjust its brightness, and select from various dynamic or static effects within the app. The RGB+IC feature enables vivid color transitions and can also act as a status indicator for events like doorbell rings or security disarming.



Figure 4.2: Customize RGBIC and gradient effects using the Aqara Home app.

App Control and Automations

Control the light with your voice, the Aqara Home app, or integrate it with other Aqara devices for advanced automations and scenes. For example, you can set the light to turn off automatically at a specific time or trigger specific lighting effects based on sensor input (e.g., motion detection, door/window open).

Control with Your Voice, app, or other Aqara devices

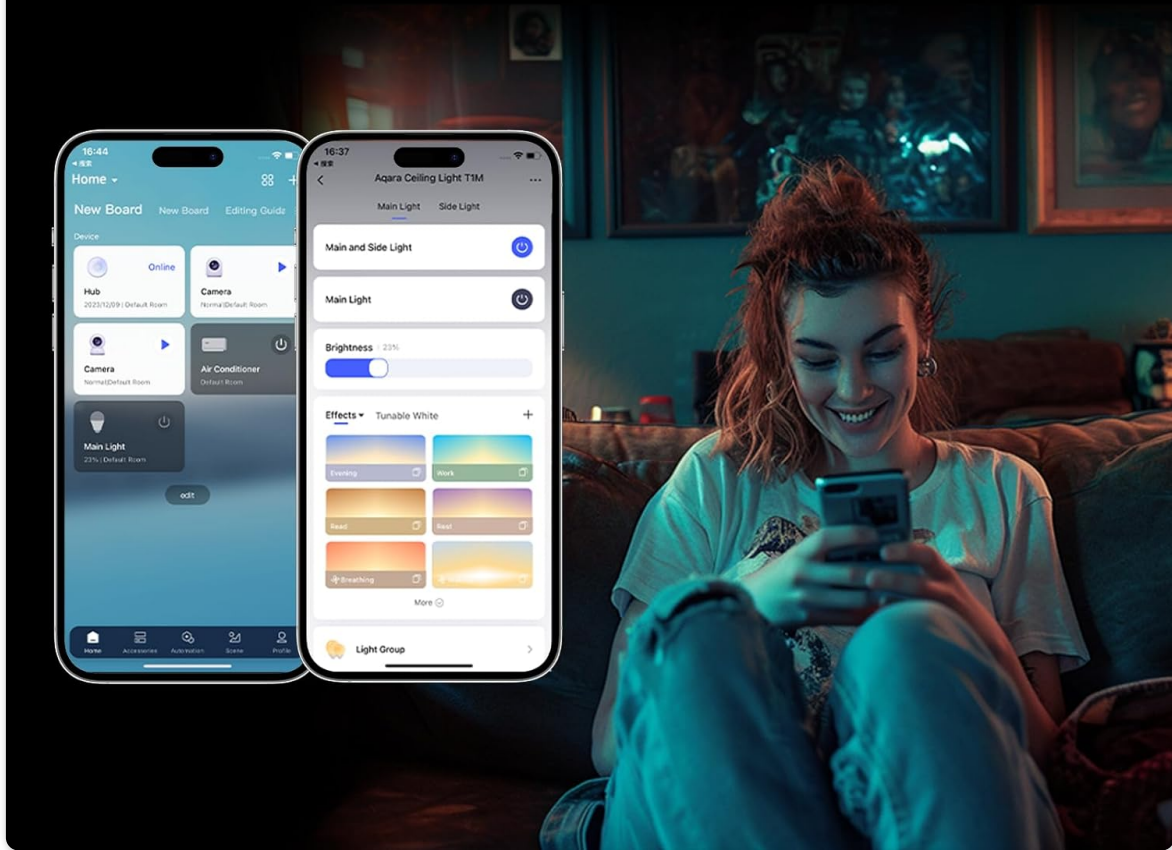


Figure 4.3: Control the light and set automations via the Aqara Home app.

5. CONNECTIVITY WITH THIRD-PARTY ECOSYSTEMS

The Aqara LED Ceiling Light T1M supports Matter-over-bridge (requires a Matter-compatible Aqara hub) and is compatible with various smart home platforms, including Apple HomeKit, Google Home, and Amazon Alexa. This allows for seamless integration into your existing smart home setup.

Connecting to HomeKit

To add the Ceiling Light T1M to Apple HomeKit, ensure you have a stable network connection and an Aqara hub (e.g., M3 Hub) already added to your Home app. Open the Home app, tap the '+' icon, select 'Add Accessory' or 'Scan Accessory', and follow the on-screen instructions to enter the setup code found on the device or its packaging. Identify the Ceiling Light and complete the setup as instructed.

Connecting to Google Home

Ensure your Google smart speaker is turned on and connected to Wi-Fi. Confirm that the light has been added to the Aqara Home App and bound to a hub. In the Google Home app, tap 'Devices' > '+' Add, search for 'Aqara' to link your account. Return to the 'Devices' page and tap the newly added light icon for control. Follow any additional prompts for location access and setup.

Connecting to Amazon Alexa

Open and log in to the Amazon Alexa app. Tap 'More' > 'Settings' > 'Device Settings' > 'Add Device'. Set up the light as instructed, linking your Aqara account and setting the account region. Wait for Alexa to find and connect devices. Choose the connected light to complete the setup.

6. MAINTENANCE

To ensure optimal performance and longevity of your Aqara LED Ceiling Light T1M, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the surface of the light with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- **Dust Removal:** Regularly remove dust from the light fixture to maintain its brightness and prevent overheating.
- **Inspection:** Periodically check for any loose connections or visible damage. If you notice any issues, consult a qualified electrician or contact Aqara support.
- **Software Updates:** Keep the Aqara Home app and your Aqara hub firmware updated to ensure compatibility and access to the latest features and security enhancements.

7. TROUBLESHOOTING

If you encounter issues with your Aqara LED Ceiling Light T1M, try the following troubleshooting steps:

- **Light Not Responding:**
 - Check the power supply at the circuit breaker.
 - Ensure the light is securely installed and all wires are properly connected.
 - Verify that your Aqara hub is online and functioning correctly.
 - If adding the device fails, please move the device closer to the hub and try again. Make sure the device is in pairing mode (main light stays on after 2 breathes). If it is not, turn its power off and on 5 times.
- **Connectivity Issues:**
 - Ensure your Wi-Fi network is stable and the hub is within range.
 - Restart your Wi-Fi router and Aqara hub.
 - Check for any interference from other wireless devices.
- **App Control Problems:**
 - Update the Aqara Home app to the latest version.
 - Clear the app cache or reinstall the app.
 - Ensure your smartphone is connected to the same network as the Aqara hub.
- **Light Flickering or Dimming Unexpectedly:**
 - Check for loose wiring connections.
 - Ensure the light is not connected to an incompatible dimmer switch.

If the issue persists after trying these steps, please contact Aqara customer support for further assistance.

8. SPECIFICATIONS

Attribute	Detail
Brand	Aqara
Model Name	CL-L02D
Color	White
Material	Plastic, Glass
Product Dimensions	19.49"L x 19.49"W x 2.96"H
Item Weight	4.62 pounds (2.1 Kilograms)
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	40 watts
Brightness	3450 Lumen
Light Color	2700-6500K Tunable White, 16 Million Colors (RGB+IC)
Color Rendering Index (CRI)	Above 90
Lifespan	50,000 hours
Connectivity Protocol	Zigbee 3.0 (Requires Aqara Hub)
Control Method	Voice, App Control
Room Coverage	53.82-215.28 square feet
Special Features	Status indicator, Mesh repeater, Power off memory
UPC	192784001714

9. WARRANTY AND SUPPORT

The Aqara LED Ceiling Light T1M comes with a **1-year limited warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please refer to the official Aqara User Manual (PDF) available online or contact Aqara customer service through their official website or the Aqara Home app.

You can also find additional resources and FAQs on the [Aqara Store on Amazon](#).

