

ChangM TD4C001

ChangM 4 Inch Color Changing 12W LED Recessed Downlights Instruction Manual

Model: TD4C001

INTRODUCTION

Thank you for choosing ChangM 4 Inch Color Changing 12W LED Recessed Downlights. This manual provides essential information for the safe installation, operation, and maintenance of your new lighting system. Please read these instructions carefully before installation and retain them for future reference. These LED downlights offer both warm white (2700K) daily lighting and a variety of RGB color options, controllable via an infrared remote. Key features include dimmability, dual memory function, synchronization, and a timing function, making them suitable for various indoor environments.

WHAT'S INCLUDED

The package contains the following items:

- 6 x 12W Recessed Lighting 4 Inch Units
- 6 x Aluminum Junction Boxes
- 2 x IR Remote Controls
- 1 x Installation Guide

SAFETY INFORMATION

- Always disconnect power at the circuit breaker before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician or professional.
- Ensure the voltage supply (120V) matches the product's requirements.
- Do not use with dimmer switches. This product is not compatible with external dimmers.

- This product is designed for indoor use only.
- Avoid direct exposure to water or excessive moisture.

INSTALLATION INSTRUCTIONS

Preparation

- Turn off power at the circuit breaker before beginning installation.
- Ensure you have the necessary tools: hole saw (matching cutout size), wire strippers, screwdriver, and safety glasses.
- The ceiling cutout diameter should be between 3.25 inches and 4.7 inches.

Step-by-Step Installation

1. **Cut a Hole:** Use a 1:1 cutting template (if provided) or a hole saw to cut a circular hole in the ceiling according to the recommended cutout size (3.25-4.7 inches).
2. **Prepare Junction Box:** Open the aluminum junction box. Remove the appropriate knock-out on the side. Run the power supply wires through the hole and into the junction box.
3. **Wire Connections:** Use the provided connectors to securely tuck the wires. Connect the live wire to the black wire, the neutral wire to the white wire, and the ground wire to the green wire inside the junction box.
4. **Connect Light Panel:** Connect the light panel's DC connector to the corresponding connector from the junction box. Ensure a secure connection.
5. **Position Junction Box:** Place the junction box into the ceiling hole.
6. **Install Downlight:** Push the spring clips on the side of the downlight upwards. Carefully insert the light into the ceiling hole. The spring clips will secure the light in place once released.

Note: This product is not compatible with dimmer switches.



Image: Step-by-step visual guide for installing the recessed lighting, including cutting the hole, wiring the junction box, connecting the light panel, and securing the light.

OPERATING INSTRUCTIONS

Remote Control Overview



Image: Infographic detailing the remote control functions and showcasing the 12 available color options for the recessed lights. The included IR remote control allows you to manage all functions of the ChangM recessed downlights. Point the remote directly at the light for optimal response.

Basic Functions

- **ON/OFF:** Press the 'On' button to turn the lights on, and 'Off' to turn them off.
- **Color Selection:** Press any of the 12 color buttons to select a specific RGB color.
- **Warm White (2700K):** Press the 'W' button to switch to 2700K warm white lighting.
- **Brightness Adjustment:** Use the brightness '+' and '-' buttons to increase or decrease the light intensity (10%-100%).

Advanced Functions

- **Flash Mode:** Press the 'Flash' button (often labeled 'C') for a dynamic color-changing effect, suitable for party atmospheres.
- **Smooth Mode:** Press the 'Smooth' button (often labeled 'S') for a gradual, continuous cycle through colors, creating a relaxing ambiance.
- **Memory Function:** The lights will remember the last color or mode used when turned off and on again.
- **Synchronization:** When multiple lights are used together, they will synchronize their color changes and

modes, ensuring consistent lighting effects across the installation.

- **Timing Function:**

- **Regular Timing:** Set the lights to turn off automatically after a few hours (e.g., 1H for 1 hour).
- **Cycle Timing (24 Hours):** Activate the 24-hour cycle timer to have the lights turn on and off automatically at the same time each day.

- **Energy-Saving Mode:** A dedicated button (often a crescent moon icon) can directly provide the darkest light setting for night use.



Dual Timer Settings

You can set the hours you want to turn Off/on the light.



Image: Illustration of the dual timer settings (1 hour and 24 hour cycle) for the recessed lights, shown in an outdoor home setting.

FEATURES

- **RGB + 2700K Warm White:** Combines daily functional lighting with vibrant color-changing options.
- **12 Color Choices:** A selection of 12 distinct colors to suit various moods and occasions.
- **Dimmable Brightness:** Adjustable from 10% to 100% across three levels for customized illumination.
- **Flash & Smooth Modes:** Two dynamic lighting modes for creating different atmospheres.
- **Memory & Synchronization:** Retains last settings and ensures consistent effects across multiple lights.

- **Timing Function:** Includes regular and 24-hour cycle timers for automated operation.
- **High CRI & Flicker-Free:** Color Rendering Index (CRI) over 85 ensures accurate color representation and comfortable, flicker-free light output.
- **Energy Efficient:** 12W LED equivalent to a 110W incandescent bulb, offering significant energy savings.
- **Easy Installation:** Designed for simple and safe installation in ceilings with a cutout range of 3.25-4.7 inches.

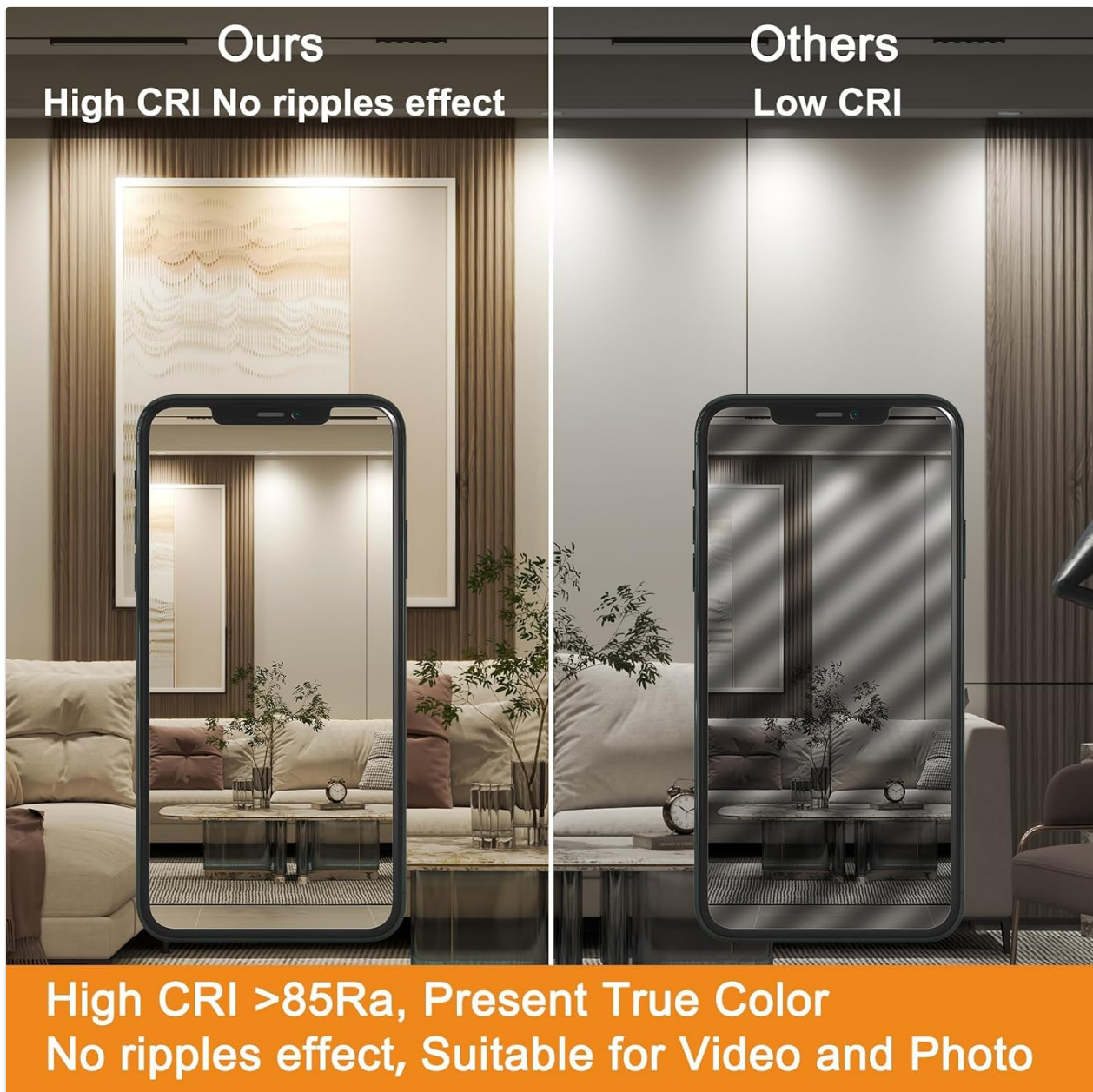


Image: Comparison demonstrating the high CRI (>85Ra) and flicker-free performance of ChangM lights versus low CRI lights with ripple effects.

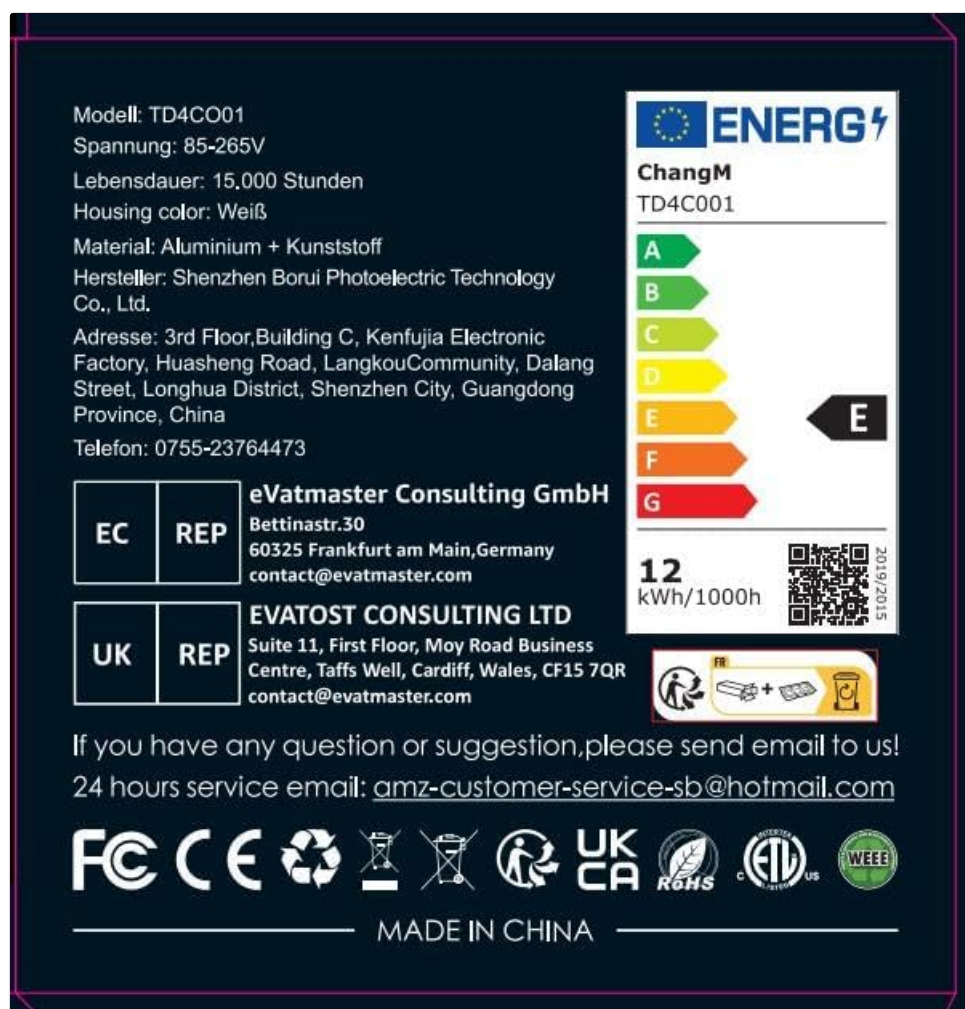


Image: Infographic highlighting energy saving (12W=110W equivalent) and flicker-free operation of the LED recessed lights, with a hand holding a phone showing no screen flicker.

MAINTENANCE

- **Cleaning:** Ensure power is off before cleaning. Wipe the light surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** These are integrated LED fixtures; individual bulbs cannot be replaced. The product has a lifespan of 25,000+ hours.
- **Remote Control:** Replace the CR2025 battery in the remote control when its range or responsiveness decreases.

TROUBLESHOOTING

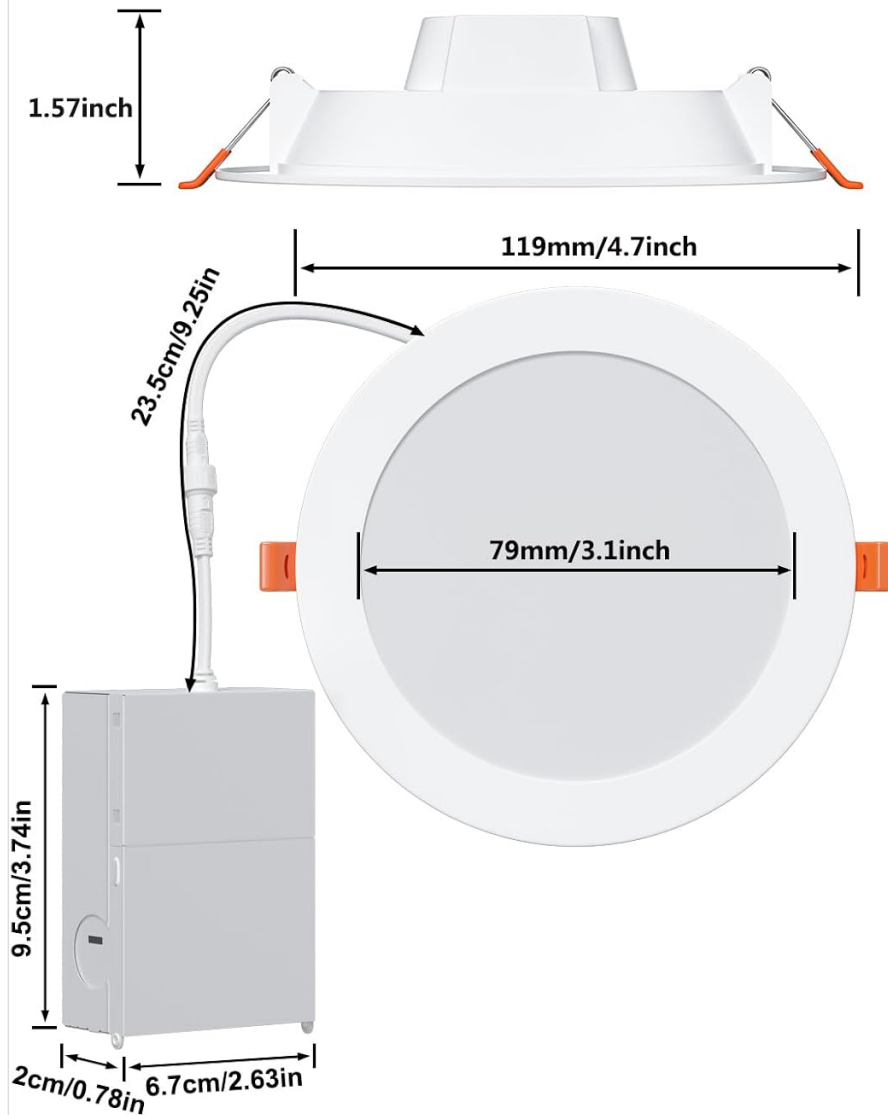
Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; remote control battery dead.	Check circuit breaker. Verify all wire connections. Replace remote control battery.
Remote control not working.	Remote battery dead; remote too far or not pointed at light; interference.	Replace remote battery (CR2025). Ensure remote is within range (up to 20ft) and pointed directly at the light. Remove any obstructions.

Problem	Possible Cause	Solution
Lights are not synchronizing.	Lights are too far apart; remote signal not reaching all lights.	Ensure all lights are within effective range of the remote. Try operating lights individually then together.
Light flickers or changes color unexpectedly.	Electrical interference; faulty unit.	Ensure stable power supply. If problem persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	ChangM
Model Name	TD4C001
Light Type	LED
Wattage	12 Watts
Incandescent Equivalent	110 Watts
Brightness	1080 Lumens
Color Temperature	2700 Kelvin (Warm White) + RGB
Color Rendering Index (CRI)	85+
Voltage	120 Volts
Control Method	IR Remote Control
Product Dimensions	4.72 x 4.72 x 1.57 inches
Mounting Depth	1.29 inches
Ceiling Cutout	3.25 - 4.7 inches
Lifespan	25,000+ Hours
Material	Aluminum, Plastic
Indoor/Outdoor Usage	Indoor

Downlight Dimensions & Features



wattage 12W



110W Equivalent



85+CRI



12 Color Choice



2700K Warm White



Voltage 85V-220V



Lifespan 25000+

Image: Diagram showing the dimensions of the 4-inch recessed downlight and its junction box, alongside key features like wattage, CRI, and lifespan.

WARRANTY AND SUPPORT

For any questions, concerns, or support needs regarding your ChangM recessed downlights, please contact our customer service team. While specific warranty details are not provided in this manual, we are committed to assisting you with product-related inquiries.

Customer Service Email: amz-customer-service-sb@hotmail.com

Our support team aims to respond within 24 hours.