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› LGIDTECH FUT069 RGB CCT 15W LED Recessed Ceiling Downlight 7 Inch IP54 User Manual

LGIDTECH FUT069

LGIDTECH FUT069 RGB CCT 15W LED Recessed Ceiling Downlight User Manual

Model: FUT069

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your LGIDTECH FUT069 RGB CCT 15W LED Recessed Ceiling Downlight. Please read this manual thoroughly before installation and operation, and retain it for future reference.

The FUT069 is a versatile 7-inch recessed LED downlight featuring RGB color changing capabilities and adjustable color temperature (CCT) from warm white to cool white. It is designed for various indoor applications and boasts an IP54 waterproof rating.



Image 1.1: LGIDTECH FUT069 RGB CCT 15W LED Recessed Ceiling Downlight. This image shows the circular LED downlight with its spring-loaded mounting clips and integrated driver unit.

2. PRODUCT FEATURES

- **RGB Color Changing:** Offers 16 million color options for diverse lighting atmospheres.
- **Adjustable Color Temperature (CCT):** Seamlessly switch between 2700K (warm white) and 6500K (cool white) to suit different moods or tasks.
- **Dimmable:** Adjust brightness levels for optimal illumination.
- **Waterproof and Moistureproof (IP54):** Suitable for use in environments where protection against splashing water is required.
- **Wireless Control:** Compatible with various Mi.Light/LGIDTECH controllers (sold separately) for remote operation and smart home integration.
- **Energy Efficient:** 15W LED provides 1200 lumens with an efficiency of 80LM/W.



Waterproof&moistureproof Muti-function



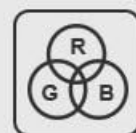
Waterproof
moistureproof



Smart phone
App control



2.4G Remote
control



16 million
colors



CCT
Adjustable



Brightness
Dimming



Saturation
adjustable



Contextual
Mode

Image 2.1: Overview of LGIDTECH FUT069 features. This graphic highlights the downlight's waterproof and moistureproof design, smart app control, 2.4G remote control compatibility, 16 million colors, CCT adjustability, brightness dimming, saturation adjustment, and contextual modes.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- Always disconnect power at the circuit breaker before installation, removal, or servicing.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the input voltage (AC86~265V) matches your electrical supply.
- Do not attempt to modify or disassemble the downlight. There are no user-serviceable parts inside.
- Avoid direct exposure to the light source for extended periods, as it may cause eye strain.
- Keep the product away from flammable materials.

4. INSTALLATION

The FUT069 is designed for recessed installation in ceilings. Follow these steps carefully:

1. **Prepare the Ceiling:** Cut a circular hole in the ceiling with a diameter of $\varnothing 175\sim 180\text{mm}$ (**approximately 7 inches**). Ensure there is sufficient clearance above the ceiling for the fixture and its driver.
2. **Disconnect Power:** Turn off the main power supply to the installation area at the circuit breaker.
3. **Connect Wiring:** Connect the AC input wires from your electrical supply to the corresponding wires on the downlight's driver unit. Ensure proper polarity (Live, Neutral, Ground) and secure all connections with appropriate connectors.
4. **Insert Fixture:** Gently push the spring-loaded mounting clips on the sides of the downlight upwards. Insert the downlight into the prepared ceiling hole.
5. **Secure Fixture:** Once the downlight is in the hole, release the mounting clips. The clips will spring back and firmly hold the fixture against the ceiling.
6. **Restore Power:** Turn the main power supply back on at the circuit breaker.

16million colors | Saturation control

16millions color change and color saturation control,
easily make the light atmosphere you want

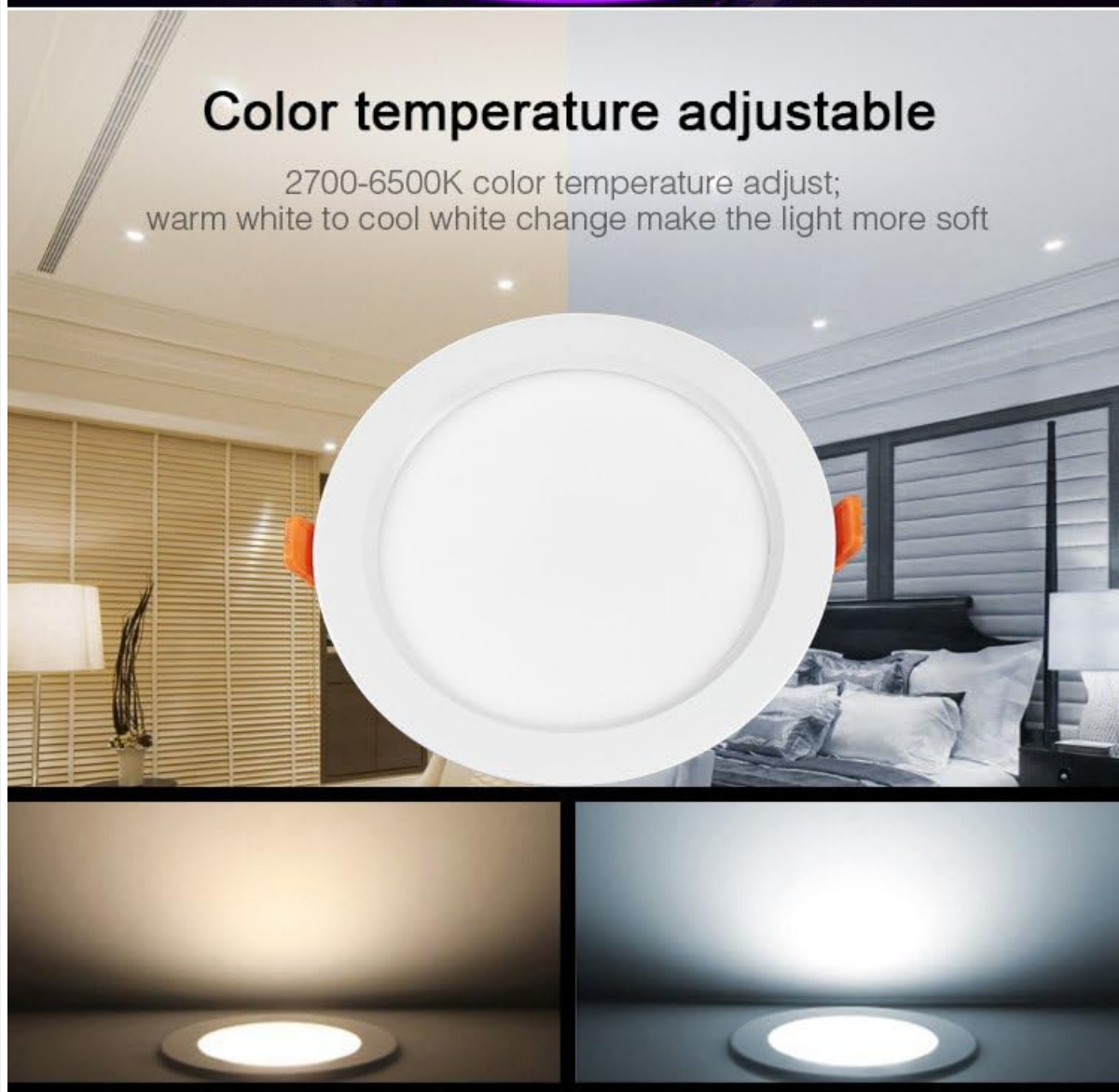


Image 4.1: Example of the LGIDTECH FUT069 recessed ceiling downlight installed. This image illustrates the flush mounting of the downlight in a ceiling, showcasing its appearance in a room setting.

5. SETUP AND CONTROLLER COMPATIBILITY

The FUT069 downlight requires a compatible controller (sold separately) for full functionality, including color changing, CCT adjustment, and dimming. Compatible controllers include FUT092, FUT089, WL-BOX1, B4, and B8.

5.1. Linking/Unlinking with a DMX512 LED Transmitter

To control the downlight, it must be linked to a compatible DMX512 LED Transmitter. The following steps outline the linking and unlinking process:

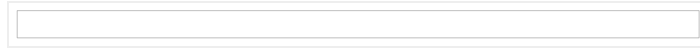


Image 5.1: Visual guide for linking and unlinking the downlight with a DMX512 LED Transmitter. This diagram shows the steps involving power cycling and pressing the 'SET' button on the transmitter.

Linking Procedure:

1. **Choose Zone:** On your DMX512 LED Transmitter, select the desired zone for the light by pressing the "+" or "-" buttons (e.g., "CH12" for zone 12).
2. **Power Cycle:** Switch off the downlight's power.
3. **Link Command:** After 10 seconds, switch the downlight back on. Within 3 seconds of switching on, short press the "SET" button on the transmitter 3 times.
4. **Confirmation:** The downlight will blink slowly 3 times, indicating successful linking.

Unlinking Procedure:

1. **Power Cycle:** Switch off the downlight's power.
2. **Unlink Command:** After 10 seconds, switch the downlight back on. Within 3 seconds of switching on, short press the "SET" button on the transmitter 5 times.
3. **Confirmation:** The downlight will blink quickly 10 times, indicating successful unlinking.

Important: If the linking or unlinking fails, repeat the steps above carefully.

5.2. DMX512 LED Transmitter Connection Diagram



Image 5.2: Diagram illustrating the connection of a DMX512 LED Transmitter to multiple downlights. It shows the 2.4GHz wireless signal transmitting to various zones, each controlling one or more lights.

5.3. Compatible Controllers

The FUT069 downlight is compatible with the following controllers, which are sold separately:

- FUT089 / FUT089-B
- FUT092 / FUT092-B
- FUT088
- FUT096 / FUT096-B
- B8
- FUTD01
- B4 / B4-B / T4
- B3 / B3-B / T3
- B0
- S2-B / S2-W / S2-G
- WL-Box1 / WL-Box2 (for smartphone/WiFi control)

Compatible with below controllers, all is sold separately

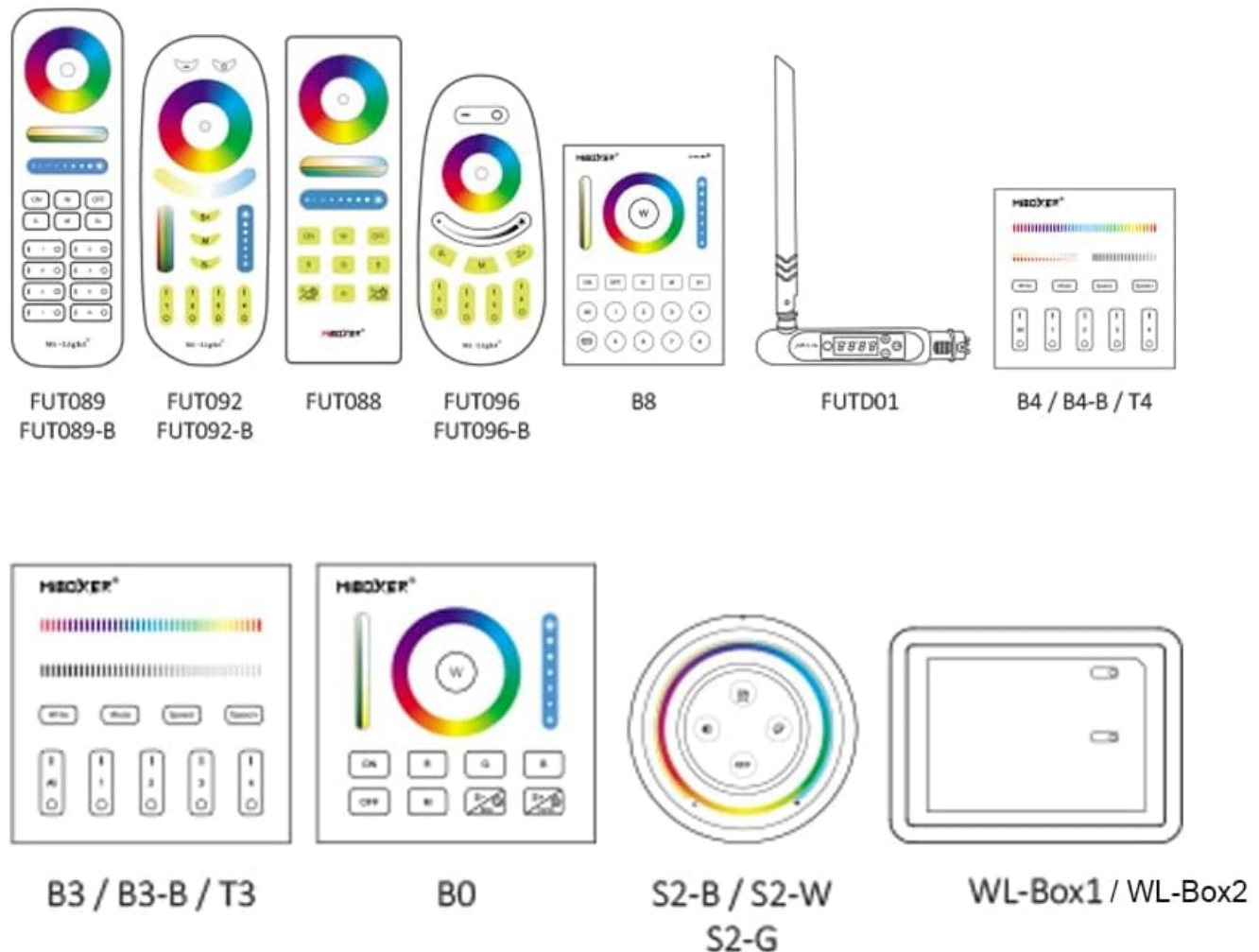


Image 5.3: Various compatible Mi.Light controllers. This image displays a range of remote controls and wall panels that can be used to operate the FUT069 downlight, including handheld remotes, wall-mounted panels, and a WiFi bridge.

6. OPERATION

Once linked to a compatible controller, the FUT069 downlight offers various lighting control options:

6.1. RGB Color Changing

Use your controller to select from 16 million colors. This allows you to create specific moods or match your room's aesthetic. Many controllers feature a color wheel or dedicated color buttons for easy selection.

6.2. Color Temperature Adjustment (CCT)

Adjust the white light from 2700K (warm white, yellowish hue) to 6500K (cool white, bluish hue). Warm white is ideal for relaxation, while cool white is suitable for tasks requiring focus.

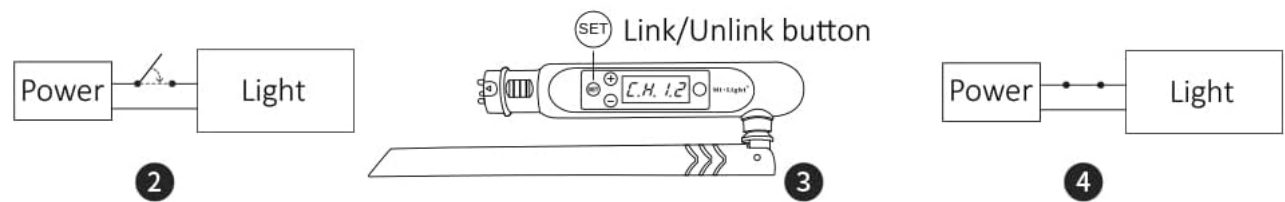
6.3. Brightness Dimming

The downlight's brightness can be adjusted from 0% to 100% using the dimming controls on your compatible remote or app.

DMX512 LED Transmitter Link /Unlink

Compatible with DMX512 LED Transmitter (Purchase separately)

- 1 Choose the zone for the light by pressing “+” or “-” (e.g. “CH12” means zone 12)



Link

Switch off the light, after 10 seconds switch on again

When the light is on, short press "SET" 3 times within 3 seconds

The light blink slowly 3 times, means the linking is done successfully

Unlink

Switch off the light, after 10 seconds switch on again

When the light is on, short press "SET" 5 times within 3 seconds

The light blink quickly 10 times, means the unlinking is done successfully

 If the link or unlink failed, please follow the above steps again.

DMX512 LED Transmitter Connection Diagram

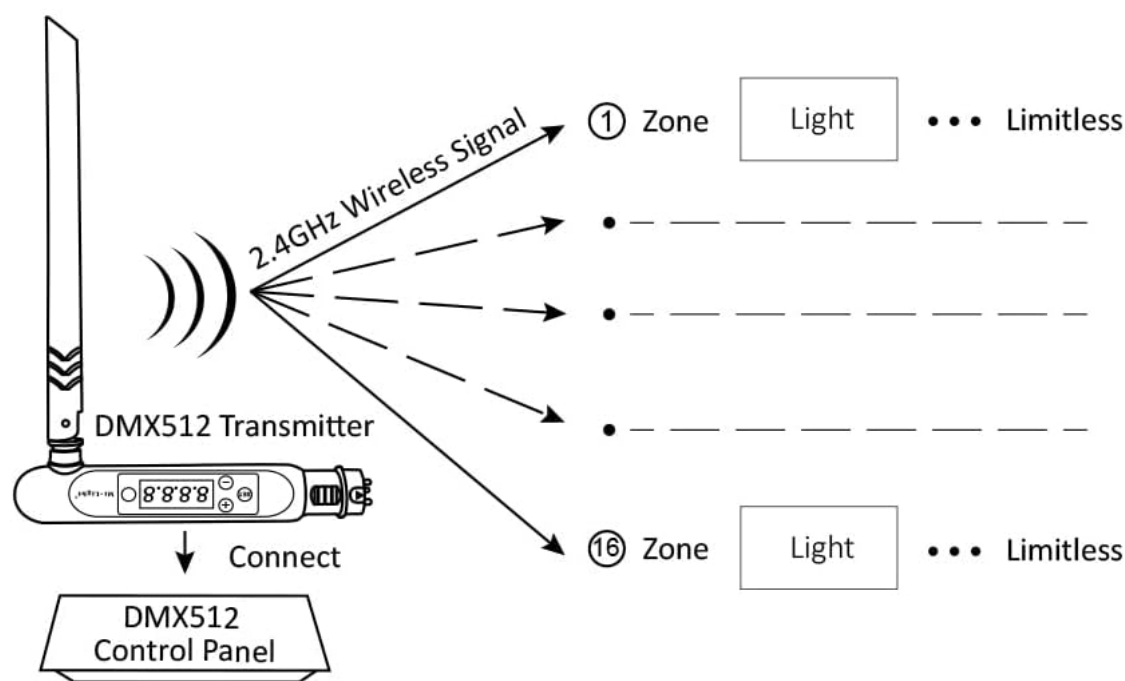


Image 6.1: Examples of color and temperature adjustment. This image demonstrates the downlight's ability to display 16 million colors with saturation control, and its adjustable color temperature from warm white (2700K) to cool white (6500K).

7. MAINTENANCE

The LGIDTECH FUT069 LED Downlight requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the surface of the downlight with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- **Inspection:** Periodically check for any loose connections or visible damage. If any issues are found, disconnect power and consult a qualified electrician.

8. TROUBLESHOOTING

If you encounter issues with your downlight, refer to the following common troubleshooting steps:

- **Light does not turn on:**
 - Check if the power supply is connected and active.
 - Verify that the downlight is correctly linked to its controller (refer to Section 5.1).
 - Ensure the controller has power (if battery-operated, check batteries).
- **Light flickers or changes color unexpectedly:**
 - Check for loose wiring connections.
 - Ensure there is no interference from other 2.4GHz devices.
 - Try unlinking and relinking the downlight to the controller.
- **Cannot control the light with the remote:**
 - Ensure the remote is within range and has fresh batteries.
 - Verify the downlight is linked to the correct zone on the remote.
 - Check for any obstructions between the remote and the downlight.

If problems persist after attempting these steps, please contact customer support.

9. SPECIFICATIONS

Parameter	Value
Product Name	IP54 Waterproof 15W RGB+CCT LED Downlight
Model No.	FUT069
Brand	LGIDTECH
Power	15W
Input Voltage	AC86~265V / 50~60Hz
Color Temperature	2700K-6500K
Luminous Flux	1200LM
Light Efficiency	80LM/W
CRI	>80

Parameter	Value
PF	>0.5
Lifespan	50000 hours
Beam Angle	120°
IP Rate	IP54
Hole Size	ø175~180mm (7 Inch)
Material	Aluminum + PC
Style	Modern
Installation Type	Recessed
Light Source Type	LED
Shade Material	Plastic
Number of Light Sources	1
Controller Type	Remote Control (compatible with Mi.Light/LGIDTECH controllers)
Item Weight	1.69 pounds
Package Dimensions	8.15 x 8.11 x 3.46 inches
Assembly Required	Yes
Batteries Included/Required	No

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact the LGIDTECH customer service directly. Keep your purchase receipt as proof of purchase.

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Question

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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