

M5Z7D2263

Generic 7W COB LED Recessed Ceiling Downlight Instruction Manual

Model: M5Z7D2263

1. INTRODUCTION

Thank you for choosing the Generic 7W COB LED Recessed Ceiling Downlight. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new lighting fixture. Please read these instructions carefully before installation and retain them for future reference.

2. SAFETY INFORMATION

- Always turn off the main power supply before attempting any installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Ensure the voltage supply (AC85-265V) matches the requirements of the downlight.
- Do not cover the fixture with insulating material unless specifically designed for it, as this may cause overheating.
- Avoid direct eye exposure to the light source when illuminated.
- Keep the product away from flammable materials.

3. PRODUCT OVERVIEW

The 7W COB LED Recessed Ceiling Downlight is designed for efficient and high-quality illumination in various settings, including hotel and engineering lighting. It features a high Color Rendering Index (CRI > 80) for accurate color perception and an intelligent driver for stable performance.

Key Features:

- Energy Saving:** Advanced COB LED chips provide high lumens with low power consumption (7W).
- High Color Rendering:** CRI \geq 80 ensures vibrant and true-to-life colors.
- Durable Construction:** Made from aluminum for effective heat dissipation and extended lifespan.
- Stable Performance:** Equipped with a high-quality intelligent power supply driver for stable voltage input and output, and circuit protection.
- Versatile Application:** Suitable for various environments including kitchens, living rooms, bedrooms, bathrooms, workplaces, and common areas.

Product Dimensions:



Figure 1: Downlight dimensions. The fixture has a diameter of 65mm, a height of 53mm, and requires a 55mm mounting aperture.

Heat Dissipation Design:



Figure 2: COB LED and heat dissipation. The aluminum body is designed with fins to efficiently dissipate heat, prolonging the lifespan of the LED.

4. SETUP AND INSTALLATION

This downlight is designed for embedded installation. Follow these steps carefully:

1. **Prepare the Installation Area:** Ensure the power supply to the installation area is completely turned off at the circuit breaker.
2. **Cut the Mounting Hole:** Using an appropriate tool, cut a circular hole in the ceiling with a diameter of 55mm (approximately 2.17 inches). Ensure there is sufficient clearance above the ceiling for the fixture's depth (53mm).
3. **Connect Wiring:** Connect the AC85-265V power supply wires to the downlight's driver wires. Ensure proper polarity (Live, Neutral) and secure all connections with appropriate connectors.
4. **Insert the Downlight:** Gently push the spring clips on the sides of the downlight upwards and insert the fixture into the prepared ceiling hole. The clips will spring back down to secure the light in place.
5. **Restore Power:** Once the downlight is securely installed, restore power at the circuit breaker.



Figure 3: Example of downlight installation in a living room setting.

5. OPERATING INSTRUCTIONS

The 7W COB LED Recessed Ceiling Downlight operates by a standard wall switch connected to your electrical circuit. Once installed and power is restored, simply use the wall switch to turn the light on or off.

- **Color Temperature:** This downlight is available in Warm light (3000K), Neutral light (4000K), or White light (6000K) options. The specific color temperature is selected at the time of purchase and is not adjustable on the installed unit.
- **Dimming:** The product description mentions compatibility with most dimmers. If you intend to use a dimmer, ensure it is an LED-compatible dimmer switch to avoid flickering or damage.

6. MAINTENANCE

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

- **Cleaning:** Ensure the power is off before cleaning. Use a soft, dry, or slightly damp cloth to wipe the surface of the fixture. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electrical components.
- **Inspection:** Periodically check for any loose connections or visible damage. If any issues are found, turn off

the power immediately and consult a qualified electrician.

- **No User-Serviceable Parts:** The LED light source and driver are integrated. Do not attempt to open or repair the fixture yourself.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on	No power supply Loose wiring connection Faulty switch or circuit breaker	Check if the circuit breaker is tripped. Ensure the wall switch is on. Verify all wiring connections are secure (with power off). Test the switch or circuit breaker.
Light flickers	Loose wiring connection Incompatible dimmer switch Voltage fluctuations	Check wiring connections (with power off). Ensure your dimmer is LED-compatible. If voltage fluctuations are suspected, consult an electrician.
Light is dim or inconsistent	Incorrect voltage Overheating	Verify the input voltage is within AC85-265V. Ensure the fixture is not covered or in an enclosed space without proper ventilation.

If the problem persists after following these steps, please contact customer support.

8. SPECIFICATIONS

Attribute	Detail
Brand	Generic
Model Number	M5Z7D2263
Power	7W
Voltage	AC85-265V
Light Source	COB LED
Color Temperature Options	Warm light (3000K), Neutral light (4000K), White light (6000K)
Color Rendering Index (CRI)	> 80
Luminous Flux	680LM
Material	Aluminum
Diameter	65 mm

Attribute	Detail
Height	53 mm
Mounting Aperture	55 mm
Installation Type	Embedded (Recessed)
Average Life Expectancy	Approximately 50,000 hours
Certifications	CE, RoHS

9. WARRANTY AND SUPPORT

This product is manufactured with guaranteed quality. While specific warranty terms are not provided, if you have any questions or require assistance, please contact our customer support. We aim to reply within 12 hours to ensure a satisfactory shopping experience.

For support, please refer to the contact information provided by your retailer or on the product packaging.