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› [EMOS ZM4328 TORI LED Ceiling Light 15W with MW Sensor Instruction Manual](#)

EMOS ZM4328

EMOS ZM4328 TORI LED Ceiling Light 15W with MW Sensor Instruction Manual

Model: ZM4328

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EMOS ZM4328 TORI LED Ceiling Light. This 15W LED light features a microwave motion sensor, providing 1500 lumens of 4000K neutral white light. It is designed for both indoor and outdoor use, including damp environments, thanks to its IP54 rating. Please read these instructions carefully before installation and retain them for future reference.



Figure 1: EMOS ZM4328 TORI LED Ceiling Light with 3 Years Warranty indication.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation must be performed by a qualified electrician in accordance with local wiring regulations. Ensure the power supply is disconnected before installation or maintenance.
- **Voltage:** This product operates on a 230V AC power supply.
- **IP54 Rating:** The light is protected against dust ingress and splashing water from any direction. This makes it suitable for damp locations and outdoor sheltered areas, but not for submersion.
- **Light Source:** The LED light source is integrated and not user-replaceable. Do not attempt to disassemble the light source.
- **Operating Temperature:** Ensure the operating environment is within the specified temperature range to prevent damage.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1x EMOS ZM4328 TORI LED Ceiling Light with MW Sensor

- Mounting accessories (screws, wall plugs, foam pads)

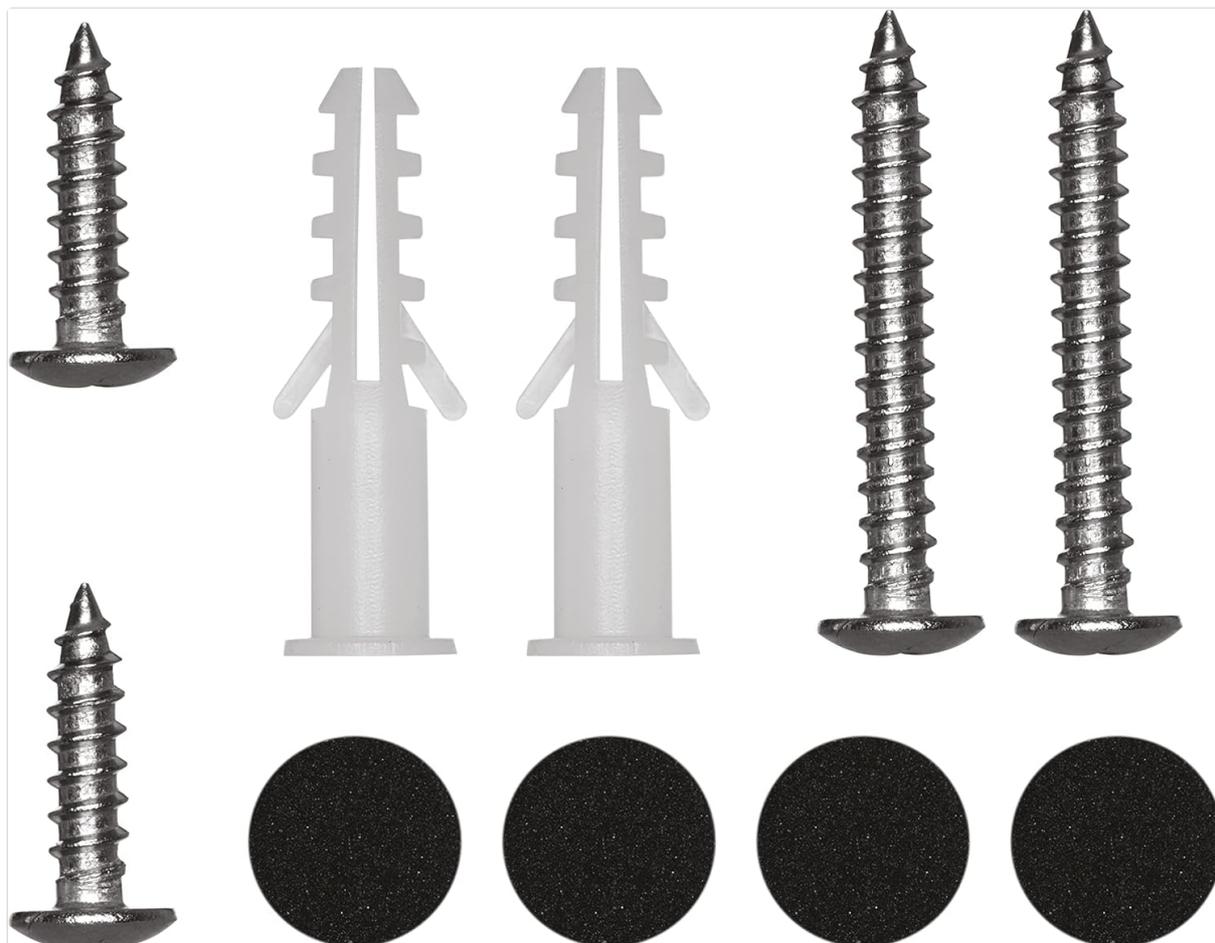


Figure 2: Included mounting accessories.

4. SETUP AND INSTALLATION

Follow these steps for proper installation:

1. **Disconnect Power:** Before starting, ensure the main power supply to the installation area is switched off at the circuit breaker.
2. **Prepare Mounting Surface:** Choose a suitable location on a ceiling or wall. The light is suitable for indoor and outdoor use, including bathrooms, hallways, kitchens, balconies, and terraces.
3. **Attach Mounting Bracket:** Remove the mounting bracket from the back of the light fixture. Use the bracket as a template to mark drilling points on the surface. Drill holes and insert wall plugs if necessary. Secure the mounting bracket to the surface using the provided screws.



Figure 3: Rear view with mounting bracket.

4. **Wiring:** Connect the main power supply cables to the terminal block inside the light fixture. Ensure correct polarity (Live, Neutral). The terminal block is designed for secure connections.



Figure 4: Wiring terminal connection points.

5. **Secure Light Fixture:** Once wiring is complete, carefully attach the light fixture to the mounting bracket, ensuring it is securely fastened.
6. **Restore Power:** Switch the main power supply back on.

5. OPERATING INSTRUCTIONS

The EMOS ZM4328 TORI LED Ceiling Light features an integrated microwave motion sensor for automatic operation.

Motion Sensor Functionality

- The microwave motion detector reacts to movement within a range of up to 6 meters.
- Unlike traditional PIR sensors, microwave sensors can detect movement even through thin doors, window glass, or thin walls, offering broader coverage.
- The light will automatically turn on when motion is detected and turn off after a set delay if no further motion is detected.

Adjusting Sensor Settings (DIP Switches)

The light features DIP switches to adjust sensitivity, detection range, and hold time. These switches are

typically located on the side of the fixture, accessible by opening a small cover.

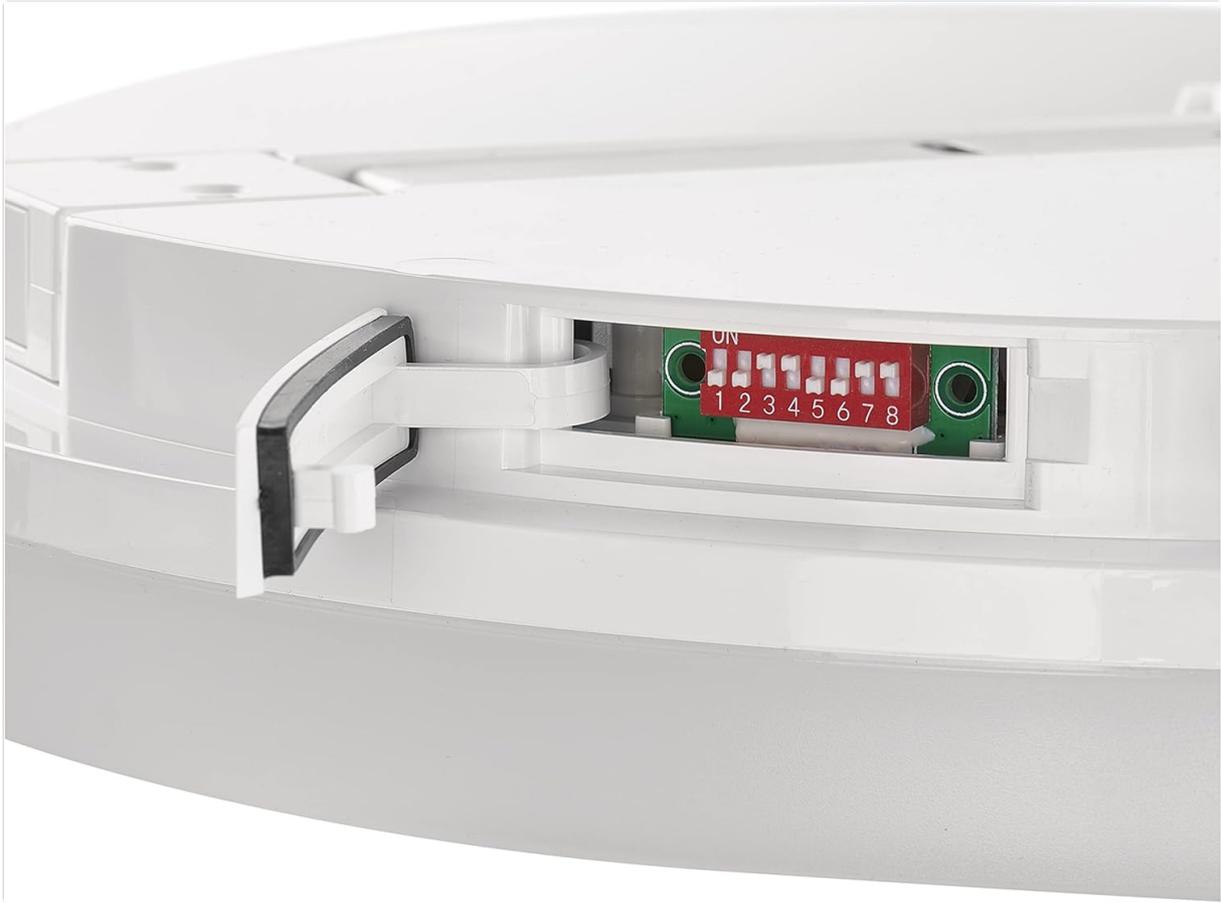


Figure 5: DIP switches for sensor configuration.

Refer to the markings next to the DIP switches for specific settings related to:

- **Detection Range:** Adjusts the maximum distance at which motion is detected.
- **Hold Time:** Sets the duration the light remains on after the last detected motion.
- **Daylight Sensor (Lux Level):** Determines the ambient light level at which the sensor becomes active. For example, you can set it to only activate when it's dark.

Note: Always disconnect power before adjusting DIP switches to avoid electrical hazards.

6. MAINTENANCE

- **Cleaning:** To clean the light fixture, ensure the power is off. Use a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or diffuser.
- **Insect Protection:** The high IP54 protection class prevents mosquitoes or flies from entering the lamp, reducing the need for internal cleaning.
- **No User Serviceable Parts:** The LED light source is integrated and not designed for user replacement. Do not attempt to open the sealed unit beyond accessing the wiring and DIP switches.

7. TROUBLESHOOTING

If you encounter issues with your EMOS ZM4328 TORI LED Ceiling Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Incorrect wiring. Daylight sensor setting too high.	Check circuit breaker and power connection. Verify wiring connections (Live, Neutral). Adjust the daylight sensor (Lux) setting on the DIP switches.
Light stays on constantly.	Continuous motion detected. Hold time setting too long. Sensor malfunction.	Ensure no constant movement in the detection area. Adjust the hold time setting on the DIP switches to a shorter duration. If problem persists, contact support.
Light turns on/off too frequently.	Sensitivity too high. Detection range too wide.	Reduce the sensitivity and/or detection range using the DIP switches.
Sensor does not detect motion.	Sensitivity too low. Detection range too narrow. Obstruction blocking sensor. Daylight sensor setting too low (light always on).	Increase sensitivity and/or detection range via DIP switches. Ensure no large metal objects or thick walls are directly in front of the sensor. Adjust the daylight sensor (Lux) setting.

8. SPECIFICATIONS

Brand	EMOS
Model Number	ZM4328
Dimensions (Diameter x Height)	220 mm x 53 mm (approx. 8.66 in x 2.09 in)
Weight	622 grams (approx. 1.37 lbs)
Power	15 Watts
Luminous Flux	1500 lumens
Color Temperature	4000 Kelvin (Neutral White)
Color Rendering Index (CRI)	80
Incandescent Equivalence	100 Watts
Voltage	230 Volts AC
IP Rating	IP54
Material	Acrylonitrile Butadiene Styrene (ABS), Plastic diffuser
Special Features	Microwave Motion Detector, Energy-saving, Waterproof
Energy Efficiency Class	E (on new scale from 1.9.2021)

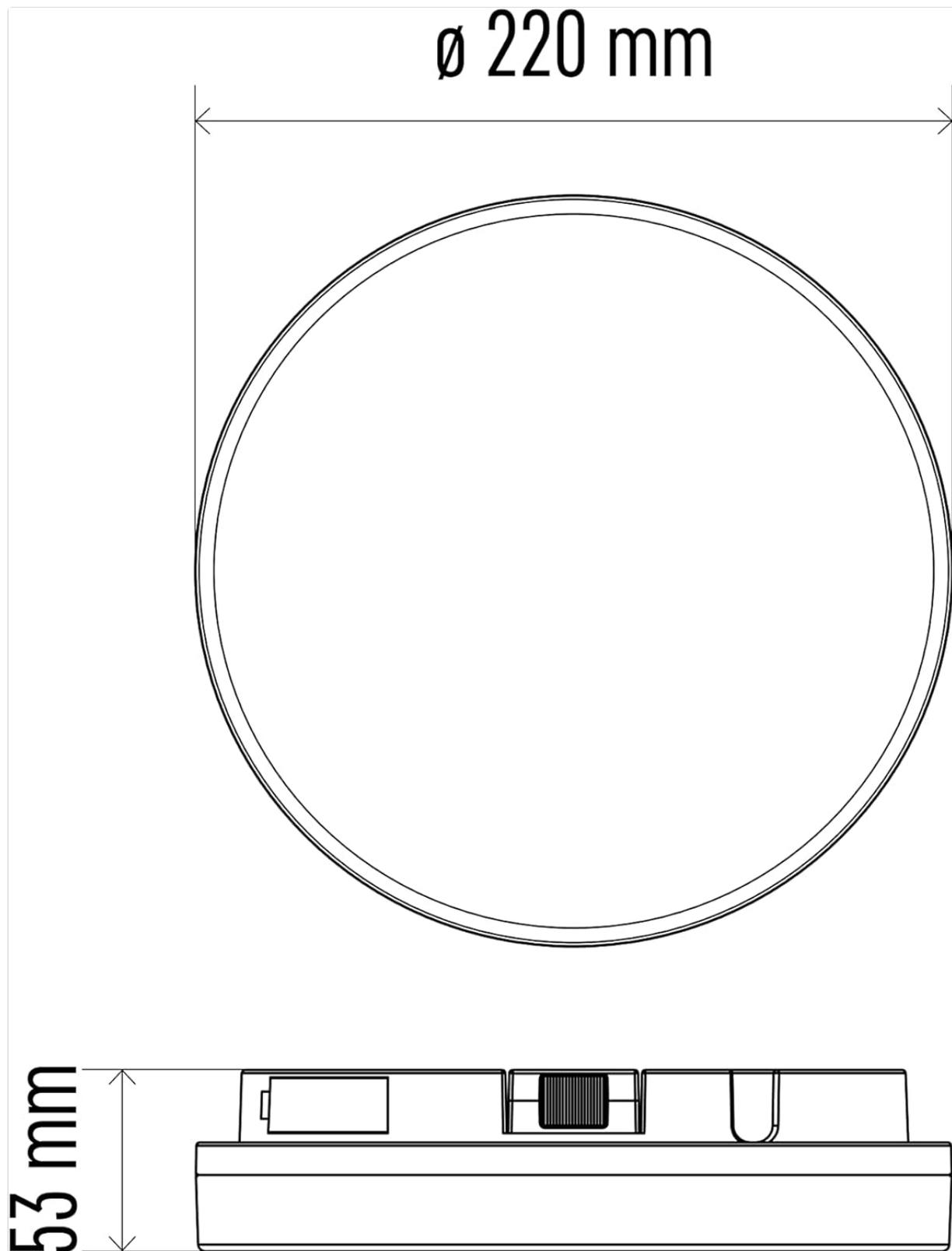


Figure 6: Product dimensions.



Figure 7: Energy Efficiency Label (Class E).

9. WARRANTY AND SUPPORT

Warranty

This EMOS ZM4328 TORI LED Ceiling Light comes with a **3-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact your retailer or the EMOS customer service department. Contact information can typically be found on the product packaging or the official EMOS website.