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› LEZOE LED Ceiling Light with Motion Detector (Model LZ2502) User Manual

LEZOE LZ2502

LEZOE LED Ceiling Light with Motion Detector

Model: LZ2502

Brand: LEZOE

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LEZOE LED Ceiling Light with 5.8G Radar Motion Detector, Model LZ2502. This energy-efficient and versatile lighting solution is designed for various indoor and covered outdoor environments, offering convenience and enhanced safety through its intelligent motion sensing capabilities and adjustable light settings.

2. SAFETY INFORMATION

- Always disconnect power before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Do not modify the product in any way, as this may void the warranty and pose safety risks.
- Ensure the mounting surface is stable and can support the weight of the fixture.
- The product is rated IP65, meaning it is dust-tight and protected against water jets. It is suitable for damp locations indoors and covered outdoor areas, but not for direct immersion in water.
- Avoid looking directly into the LED light source when illuminated.

3. PACKAGE CONTENTS

Please check the package to ensure all components are present:

- 1 x LEZOE IP65 18W LED Ceiling Light
- Mounting Accessories (screws, wall plugs)
- Instruction Manual

4. PRODUCT FEATURES

4.1. 5.8G Radar Motion Sensor

The integrated 5.8G radar motion sensor detects movement within an adjustable range of up to 9 meters. The light activates instantly upon detection and automatically turns off after a configurable hold time when no further motion is detected. Unlike traditional infrared sensors, radar technology can detect movement through obstacles like thin walls, doors, and windows, and is unaffected by ambient temperature, 4G, Wi-Fi, or Bluetooth signals.



Image: The LEZOE LED Ceiling Light with an illustration of its radar motion detection capability.

4.2. Adjustable Sensor Settings

Customize the sensor's behavior to suit your needs using the internal dial switches:

- **Detection Range:** Choose between 50% (4.5-5m) or 100% (8-9m).
- **Light Sensor (Daylight Threshold):** Set activation at 2 lux, 10 lux, 50 lux, or DISABLE (always on with motion).
- **Hold Time:** Select 5 seconds, 30 seconds, 1 minute, or 5 minutes.



Optional Radar Sensor Settings

Default Reset Settings: 18W 100% Motion Sensor, 50Lux light sensor, 30s hold time.



Power Regulation
12W/18W



Daylight Sensor
2Lux/10Lux/50Lux/Disable



Radar Detection Range
50%/ 100% 1-9M



Hold Time
5s/30s/1min/5min

Image: A bathroom setting showing the LEZOE ceiling light and an inset of the internal dial switches for radar sensor settings.

4.3. Adjustable Color Temperature (CCT)

The light offers three selectable color temperatures to match different environments and preferences:

- **3000K:** Warm White
- **4000K:** Natural White
- **6500K:** Cool White

This setting is adjusted via a sliding switch on the back of the fixture before installation.

Three Color Temperature Selectable



Dial Switch

Note: Please select the Color temperature before Installation
3000K/4000K/6500K



Image: Visual representation of the LEZOE ceiling light emitting light at 3000K, 4000K, and 6500K, with an inset showing the CCT dial switch.

4.4. Adjustable Power Output

The fixture's power output can be adjusted between 12W (1800 lumens) and 18W (2700 lumens) using a sliding switch on the back of the fixture. This allows for flexibility in brightness depending on the room size and lighting requirements.



Image: Comparison of the LEZOE ceiling light's brightness at 12W (1800lm) and 18W (2700lm), with an inset showing the power selection dial switch.

4.5. IP65 Waterproof and Dustproof Rating

With an IP65 rating, this ceiling light is fully protected against dust ingress and resistant to low-pressure water jets from any direction. This makes it ideal for use in damp environments such as bathrooms, kitchens, and covered outdoor areas like balconies and porches.

IP65 Waterproof

Suitable for garage, yard, bathroom, balcony, hallway, entryway, storeroom, cellar etc.



Image: The LEZOE ceiling light installed in an outdoor setting, illustrating its IP65 waterproof capability.

4.6. Energy Efficiency

The LEZOE LED Ceiling Light provides high luminous efficacy of 150 lm/W, delivering 2700 lumens at 18W. This is significantly more efficient than traditional lighting, saving over 90% on electricity costs and providing brighter illumination than many 24W alternatives.

More Energy-Efficient, Brighter Lighting

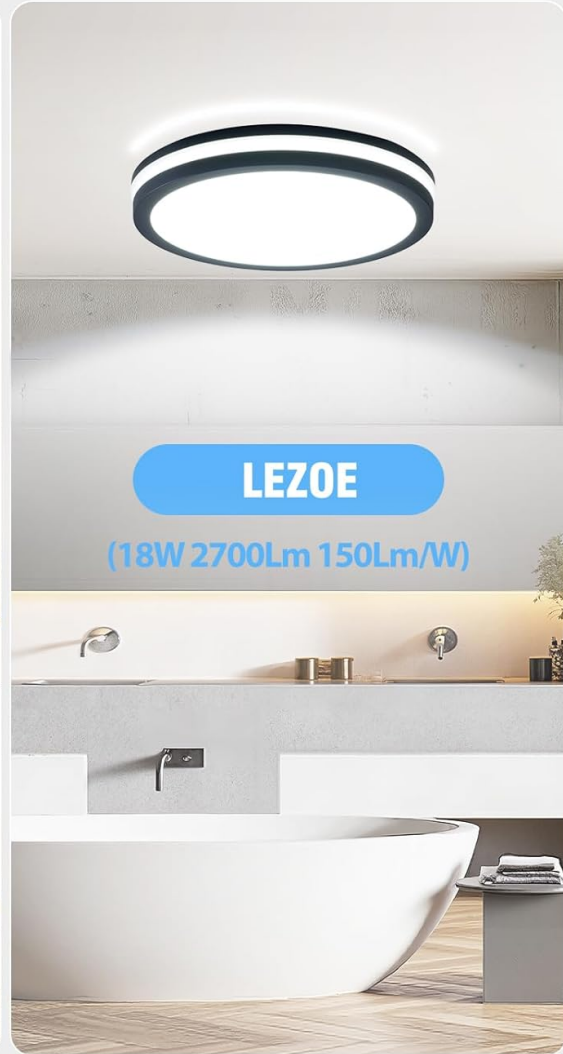
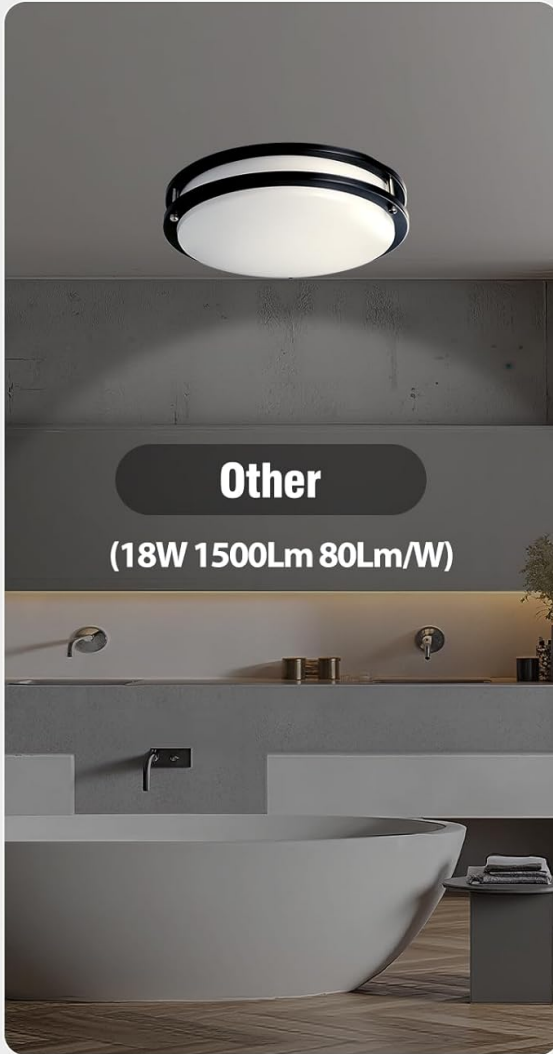


Image: A comparison showing the LEZOE 18W light (2700lm, 150lm/W) is brighter and more efficient than another 18W light (1500lm, 80lm/W).

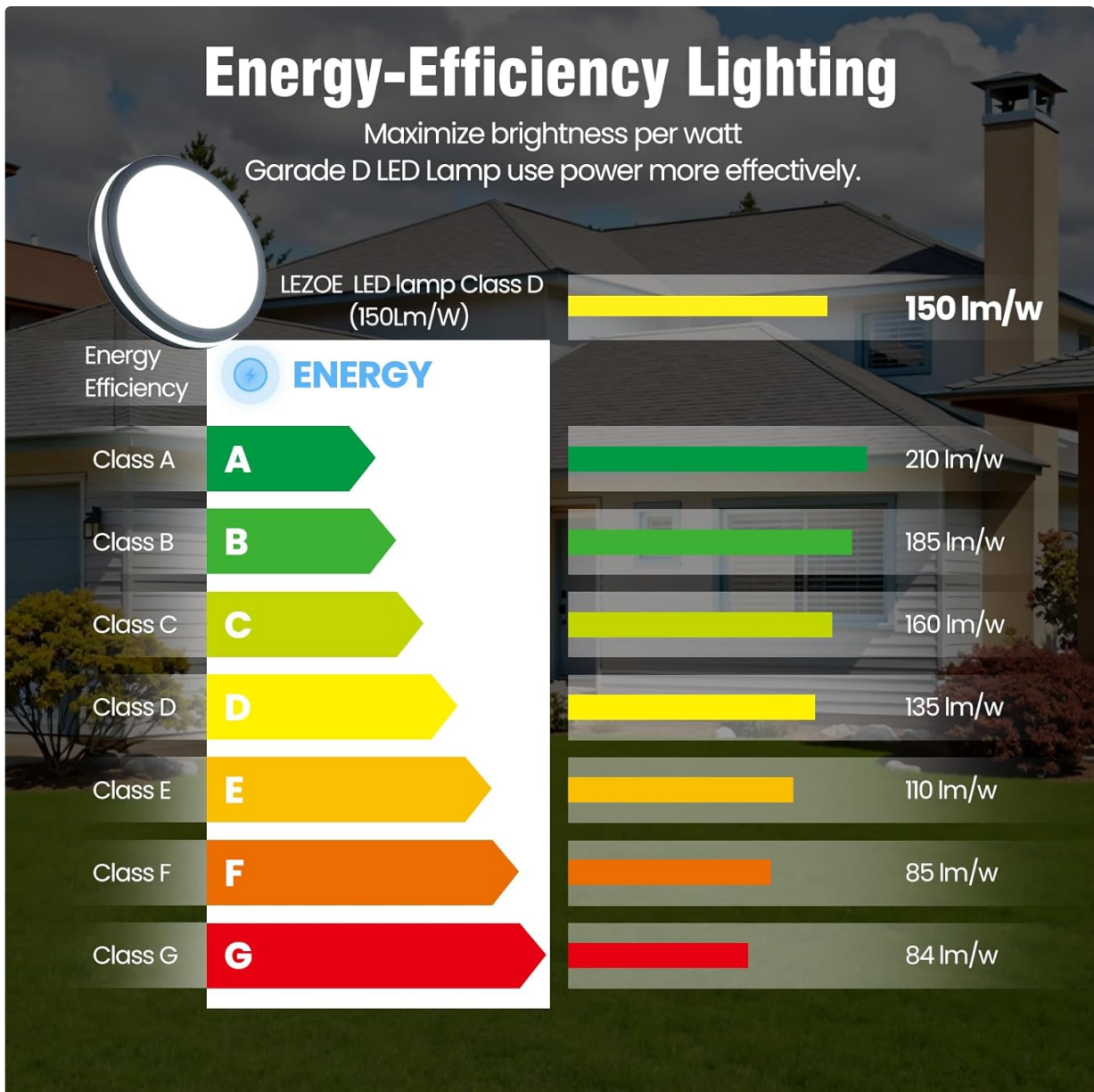


Image: An energy efficiency label indicating the LEZOE LED lamp's Class D rating with 150 lm/W efficiency. For more detailed energy information, please visit the [EPREL database](#).

5. INSTALLATION GUIDE

The LEZOE LED Ceiling Light is designed for easy installation. Follow these steps carefully:

- 1. Preparation:** Before starting, ensure the power supply to the installation area is turned off at the main circuit breaker.
- 2. Adjust Settings (Pre-Installation):** On the back of the light fixture, locate the sliding switches for Color Temperature (CCT) and Power Output (12W/18W). Select your desired settings before mounting. Also, adjust the radar sensor settings (Detection Range, Light Sensor, Hold Time) using the internal dial switches as described in Section 6.1.
- 3. Mounting the Base:** Use the provided mounting accessories (screws and wall plugs) to securely attach the light's base plate to the ceiling. Ensure the base is firmly fixed.
- 4. Wiring:** Connect the electrical wires from your ceiling to the terminals on the light fixture's base. Ensure correct polarity (Live, Neutral, Earth) according to local wiring regulations.
- 5. Attach the Fixture:** Align the LED ceiling light fixture with the mounted base. Twist or secure the fixture onto the base until it is firmly locked in place. The design allows for easy attachment without removing the lampshade.

6. **Restore Power:** Once the light is securely installed and wired, restore power at the main circuit breaker. The light should now be operational according to your selected settings.

6. OPERATING INSTRUCTIONS

6.1. Adjusting Radar Sensor Settings

The radar sensor settings are configured using internal dial switches located on the back of the fixture. These adjustments should ideally be made before final installation, but can be accessed by carefully detaching the light from its base if needed.

- **Detection Range:** Select 50% for a range of 4.5-5 meters or 100% for 8-9 meters.
- **Light Sensor (Daylight Threshold):**
 - **2 lux:** Light activates only in very dark conditions.
 - **10 lux:** Light activates in dim conditions.
 - **50 lux:** Light activates in moderately lit conditions.
 - **DISABLE:** Light will always activate with motion, regardless of ambient light.
- **Hold Time:** Choose how long the light stays on after the last detected motion:
 - **5s:** 5 seconds
 - **30s:** 30 seconds (Default factory setting)
 - **1min:** 1 minute
 - **5min:** 5 minutes

6.2. Adjusting Color Temperature and Power Output

These settings are also adjusted via sliding switches on the back of the fixture and should be set prior to installation.

- **Color Temperature:** Slide the switch to select 3000K (Warm White), 4000K (Natural White), or 6500K (Cool White).
- **Power Output:** Slide the switch to select 12W (1800 lumens) or 18W (2700 lumens).

7. MAINTENANCE

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

- **Cleaning:** Disconnect power 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 electronic components.
- **Inspection:** Periodically check the fixture for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **LEDs:** The LED light source is integrated and not user-replaceable. The average lifespan is over 30,000 hours.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; Incorrect wiring; Light sensor setting too high for ambient light.	Check power connection and circuit breaker. Verify wiring. Adjust light sensor setting (e.g., to 2 lux or DISABLE).
Light stays on continuously.	Constant motion detected; Light sensor set to DISABLE; Hold time set too long.	Ensure no continuous motion in detection area. Adjust light sensor to an appropriate lux level. Reduce hold time setting.
Light turns on too easily/is too sensitive.	Detection range set too high; Minor vibrations or distant movements triggering sensor.	Reduce the detection range to 50%. Consider the placement to minimize unwanted triggers.
Light does not detect motion.	Detection range set too low; Obstruction blocking sensor; Sensor malfunction.	Increase detection range to 100%. Ensure sensor is not physically obstructed. If problem persists, contact support.
Incorrect color temperature or brightness.	CCT or Power switch set incorrectly.	Adjust the CCT and Power sliding switches on the back of the fixture to your desired setting.

If the problem persists after trying these solutions, please contact LEZOE customer support.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	LEZOE
Model Number	LZ2502
Product Dimensions	22 x 22 x 6 cm
Item Weight	700 grams
Material	Polycarbonate (PC)
Style	Modern, Round
Voltage	220 Volts
Power Output	Adjustable 12W / 18W
Luminous Flux	1800 lm (12W) / 2700 lm (18W)
Luminous Efficacy	150 lm/W
Color Temperature	Adjustable 3000K / 4000K / 6500K
Bulb Type	Integrated LED
Motion Sensor Type	5.8G Radar Motion Detector
Detection Range	Adjustable 4.5-5m (50%) / 8-9m (100%)
Hold Time	Adjustable 5s / 30s / 1min / 5min
Light Sensor Threshold	Adjustable 2 lux / 10 lux / 50 lux / DISABLE
IP Rating	IP65 (Dust-tight, protected against water jets)
Certification	CE, RoHS
Lifespan	Over 30,000 hours
Installation Type	Ceiling Mount
Suitable Room Size	12-30 m ²
Specific Uses	Bathroom, Kitchen, Hallway, Balcony, Garage, Porch, Staircase, Warehouse

10. WARRANTY AND SUPPORT

LEZOE is committed to providing high-quality products and customer satisfaction. Your LED Ceiling Light comes with:

- **90-Day Refund Policy:** If you are not satisfied with your purchase, you may be eligible for a refund within 90 days.
- **2-Year Replacement Service:** In case of product defects or malfunctions under normal use, a

replacement service is provided for 2 years from the date of purchase.

For any questions, technical assistance, or warranty claims, please contact LEZOE customer support through your purchase platform or the official LEZOE website. Please have your model number (LZ2502) and purchase details ready when contacting support.