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Maclean MCE223

Maclean MCE223 LED Lamp with Motion and Dusk Sensor User Manual

1. Introduction

Thank you for choosing the Maclean MCE223 LED Lamp. This battery-powered lamp features a PIR motion sensor and a dusk sensor, offering automatic illumination for various indoor spaces. Its 360-degree rotating magnetic base provides flexible positioning. Please read this manual carefully before installation and use to ensure proper operation and longevity of your device.



Figure 1: Main product view of the Maclean MCE223 LED lamp, showing its circular design, central PIR motion sensor, and side switches.

2. Safety Information

Please observe the following safety precautions:

- This product is designed for **indoor use only**. Do not expose it to rain, moisture, or extreme temperatures.
- Do not attempt to disassemble or modify the lamp. This may cause damage and void the warranty.
- Use only **AAA alkaline batteries**. Do not mix old and new batteries, or different types of batteries.
- Remove batteries if the lamp will not be used for an extended period to prevent leakage.
- Keep the device away from children and pets.
- Ensure the mounting surface is clean and dry before installation.

3. Package Contents

Verify that all items are present in the package:

- Maclean MCE223 LED Lamp (1 unit)
- Magnetic Base (1 unit)
- Mounting Screws (2 units)
- Wall Plugs (2 units)
- Double-sided Adhesive Pad (1 unit)



Figure 2: The mounting accessories included with the Maclean MCE223 LED lamp: two screws, two wall plugs, and a circular double-sided adhesive pad.

4. Product Features

- **Dual Lighting Modes:** Features a front light with 5 SMD LEDs (50 lumens) and a backlight with 6 SMD LEDs (60 lumens).
- **PIR Motion Sensor:** Automatically detects movement to activate lighting.
- **Dusk Sensor:** Ensures the lamp only activates in low-light conditions when in AUTO mode.
- **360° Rotating Magnetic Base:** Allows for flexible adjustment of the light direction.
- **Battery Operated:** Requires 3 AAA batteries for wireless operation.

- **Easy Installation:** Can be mounted using screws or the included double-sided adhesive pad.



Figure 3: A composite image showing the Maclean MCE223 LED lamp with its front (5 LEDs) and backlight (6 LEDs) illuminated, along with illustrations of its 360-degree rotation capability.

5. Setup

5.1. Battery Installation

1. Gently twist the back cover of the lamp counter-clockwise to open the battery compartment.
2. Insert 3 new AAA alkaline batteries, ensuring correct polarity (+/-).
3. Replace the back cover by aligning it and twisting clockwise until securely closed.

5.2. Mounting the Lamp

The lamp can be mounted using the magnetic base, which offers two installation methods:

Method 1: Adhesive Mounting

1. Clean the desired mounting surface thoroughly to ensure it is free of dust and grease.
2. Peel off the protective film from one side of the double-sided adhesive pad and attach it firmly to the back of the magnetic base.

3. Peel off the protective film from the other side of the adhesive pad and press the magnetic base firmly onto the cleaned mounting surface for at least 30 seconds.
4. Attach the LED lamp to the magnetic base. The lamp will securely hold due to the magnetic attraction.

Method 2: Screw Mounting

1. Mark the desired mounting location.
2. Drill two small holes at the marked positions, suitable for the included wall plugs.
3. Insert the wall plugs into the drilled holes.
4. Align the magnetic base with the holes and secure it to the wall using the provided screws.
5. Attach the LED lamp to the magnetic base.



Figure 4: A hand detaching the Maclean MCE223 LED lamp from its magnetic base, illustrating the ease of removal for battery changes or repositioning.

6. Operating Instructions

The Maclean MCE223 lamp features two slide switches on its side for controlling the light source and operating mode.



Figure 5: A detailed view of the side of the Maclean MCE223 LED lamp, highlighting the two slide switches: one for light source selection (FRONT/BACK) and another for operating mode (AUTO/OFF/ON).

6.1. Light Source Selection Switch (FRONT/BACK)

- **FRONT:** Activates the 5 SMD LEDs on the front of the lamp, providing direct illumination.
- **BACK:** Activates the 6 SMD LEDs on the back of the lamp, providing a softer backlight.

6.2. Operating Mode Switch (AUTO/OFF/ON)

- **OFF:** The lamp is completely turned off.
- **ON:** The lamp remains continuously on, regardless of motion or ambient light conditions.
- **AUTO:** In this mode, the lamp will automatically turn on when motion is detected in low-light conditions (dusk sensor activated). It will turn off after approximately 30 seconds of no motion.



Figure 6: The Maclean MCE223 LED lamp mounted on a door frame, illuminating a dark bedroom with a bed and lamp visible in the background.

7. Maintenance

To ensure optimal performance and appearance of your Maclean MCE223 LED lamp:

- Clean the lamp regularly with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the motion sensor lens is kept clean and unobstructed for accurate detection.
- Replace all 3 AAA batteries when the light output diminishes or the lamp stops functioning.

8. Troubleshooting

If you encounter issues with your lamp, refer to the following common problems and solutions:

- **Lamp does not turn on:**

- Check if batteries are inserted correctly with proper polarity.
- Replace old or depleted batteries with new AAA alkaline batteries.
- Ensure the operating mode switch is not set to 'OFF'.

- **Lamp does not turn on in AUTO mode:**
  - Verify that the ambient light is sufficiently dark for the dusk sensor to activate.
  - Ensure there is actual motion within the detection range of the PIR sensor.
  - Check for any obstructions blocking the motion sensor.
- **Lamp stays on continuously in AUTO mode:**
  - Ensure there is no continuous motion within the sensor's detection range.
  - Check if the lamp is placed in an area with constant air currents or heat sources that might trigger the sensor.
- **Light output is dim:**
  - Batteries may be low. Replace all batteries with new ones.

9. Specifications

Manufacturer	Maclean
Model Number	MCE223
Dimensions (L x W x H)	5.5 x 9 x 9 cm
Weight	20 grams
Power Source	Battery powered
Batteries Required	3 x AAA (not included)
Bulb Type	LED
Front Light Luminosity	50 lumens (5 SMD LEDs)
Backlight Luminosity	60 lumens (6 SMD LEDs)
Voltage	4.5 Volts
Special Features	360° rotating magnetic base, PIR motion sensor, Dusk sensor, Automatic On/Off
Mounting Type	Wall mount (adhesive or screws)
Usage Environment	Indoor use only
Color	White

10. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

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