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EZVALO LY2-46

EZVALO 128 LED Motion Sensor Cabinet Light (Model LY2-46) User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. Introduction

Thank you for choosing the EZVALO 128 LED Motion Sensor Cabinet Light. This manual provides detailed instructions to ensure proper installation, operation, and maintenance of your new lighting solution. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: EZVALO 128 LED Motion Sensor Cabinet Lights (Model LY2-46).

2. Safety Information

- Ensure the product is installed on a stable surface.
- Do not expose the device to extreme temperatures or humidity.
- Keep out of reach of children.
- Use only the provided USB cable for charging.
- Do not attempt to disassemble or repair the unit yourself. Contact customer support if issues arise.
- This product is designed for indoor use only.

3. Package Contents

Verify that all components are present in your package:

- 2 x EZVALO 128 LED Cabinet Lights
- 2 x Iron Brackets with 3M Adhesive
- 1 x USB Charging Cable
- 1 x User Manual (this document)



Image 3.1: Included components for the 2-pack.

4. Specifications

Brand	EZVALO
Model Number	LY2-46
Dimensions (L x W x H)	7.62 x 5.08 x 5.08 cm (Control Unit); 46 cm length (Light Strip)
Weight	363 grams
Material	Anodized Aluminum
Color	Gray
Number of LEDs	128
Battery	1600mAh Lithium-polymer (included)
Voltage	5 Volts

Power	1 Watt
Luminous Flux	800 lumens
Special Features	Motion Sensor, Continuous Dimming, Dual Color Temperature (3500K Warm, 5000K Cool)
Motion Detection Range	Up to 12 feet (3-5 meters), 120° angle
Installation Type	Magnetic / Adhesive Mount
Usage	Indoor use only



Image 4.1: Energy Efficiency Label (Class E).

5. Setup and Installation

5.1 Charging the Battery

Before first use, fully charge the light. The control unit, which contains the battery, is detachable from the light strip.

1. Gently slide the control unit out from the main light strip.
2. Connect the provided USB charging cable to the charging port on the control unit.
3. Connect the other end of the USB cable to a standard USB power adapter (not included) or a computer USB port.
4. The indicator light on the control unit will show charging status (e.g., red for charging, green for fully charged).
5. Once fully charged, disconnect the cable and reattach the control unit to the light strip.



Image 5.1: Detaching the control unit for charging.

5.2 Mounting the Light

The EZVALO cabinet light offers flexible installation options using its magnetic design and included adhesive brackets.

1. **For Iron Surfaces:** The light has built-in magnets and can be directly attached to any iron surface.
2. **For Non-Iron Surfaces (Adhesive Mount):**
    - **Step 1: Prepare the Surface.** Choose a smooth, clean, and dry surface for installation. Wipe the area thoroughly to remove dust and grease.

- **Step 2: Apply Adhesive Brackets.** Peel off the protective film from the 3M adhesive on the back of the iron brackets. Firmly press the brackets onto the desired installation surface. Hold for 30 seconds to ensure a strong bond.
- **Step 3: Attach the Light.** Once the brackets are securely in place, the light can be magnetically attached to the brackets. This allows for easy removal for charging or repositioning.



Image 5.2: Installation steps using adhesive magnetic brackets.



Image 5.3: Magnetic attachment feature.

6. Operating Instructions

The light features a multi-function switch and a touch button for various settings.



Image 6.1: Control panel with switch and touch button.

6.1 Mode Selection (ON/AUTO/OFF Switch)

- **ON Mode:** Slide the switch to "ON". The light will remain continuously on.
- **AUTO Mode (Motion Sensor):** Slide the switch to "AUTO". The light will activate when motion is detected in a dark environment and turn off automatically after approximately 20-30 seconds of no motion. The integrated daylight sensor prevents activation during daytime to save energy.
- **OFF Mode:** Slide the switch to "OFF". The light will remain off.



Image 6.2: Motion sensor detail.

6.2 Light Settings (Touch Button)

- **Single Press:** Toggles the light ON/OFF.
- **Double Press:** Toggles between "Always ON" and "Always OFF" states (This function is available when the main switch is in AUTO mode, allowing temporary override of motion detection).
- **Triple Press:** Switches between Warm White (3500K) and Cool White (5000K) color temperatures.
- **Long Press:** Adjusts brightness continuously. Release the button when the desired brightness is reached. The light will remember the last brightness setting.



Image 6.3: Dual color temperature options (Warm White and Cool White).

7. Maintenance

- **Cleaning:** Wipe the light with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** Recharge the battery when the light output diminishes. Avoid completely draining the battery frequently to prolong its lifespan. If storing for an extended period, charge the battery to about 50% and recharge every 3-6 months.
- **Storage:** Store the light in a cool, dry place away from direct sunlight.

8. Troubleshooting

Problem	Possible Cause	Solution

Light does not turn on.	Battery is depleted. Switch is in OFF position. Insufficient darkness in AUTO mode.	Charge the battery. Slide switch to ON or AUTO. Ensure ambient light is low enough for AUTO mode to activate.
Light does not detect motion.	Switch is not in AUTO mode. Obstruction in sensor's path. Ambient light is too bright.	Slide switch to AUTO. Clear any objects blocking the sensor. Ensure the environment is dark enough for motion detection.
Light flickers or is dim.	Low battery. Brightness setting is low.	Recharge the battery. Long press the touch button to increase brightness.
Adhesive mount is not holding.	Surface was not clean or smooth. Insufficient pressure applied during installation.	Ensure surface is clean and smooth. Reapply with new 3M adhesive if necessary, applying firm pressure for 30 seconds.

9. Warranty and Support

Information regarding specific warranty terms and conditions is not provided in the product data. For warranty claims, technical support, or any questions not covered in this manual, please contact EZVALO customer service through your purchase platform or the official EZVALO website.
Please have your model number (LY2-46) and purchase details ready when contacting support.

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