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EZVALO LY-40

EZVALO LED Cabinet Light 38cm Motion Sensor Instruction Manual

Model: LY-40

1. Introduction

Thank you for choosing the EZVALO LED Cabinet Light. This manual provides detailed instructions for the safe and efficient use of your new motion sensor light. Please read this manual thoroughly before installation and operation, and retain it for future reference.



Image 1.1: EZVALO LED Cabinet Light in various application scenarios.

The EZVALO LED Cabinet Light is designed to provide convenient and energy-efficient illumination for various indoor spaces such as cabinets, closets, kitchens, and hallways. It features a motion sensor, adjustable brightness, and multiple color temperature options, all powered by a rechargeable battery.

2. Product Overview

2.1 Key Features

- **Super Bright Illumination:** Equipped with 48 LEDs, providing bright light suitable for dark areas.
- **Adjustable Color Temperature:** Offers 3 color temperature options (3500K, 4200K, 5700K) to suit different preferences and environments.
- **Motion Sensor Mode:** Automatically turns on in dark environments when motion is detected, enhancing convenience and energy saving.
- **Continuous Brightness Adjustment:** Allows for stepless dimming to achieve desired light intensity.
- **Easy Installation:** Features a strong built-in magnet for direct attachment to iron surfaces, or uses included iron brackets with 3M adhesive for other surfaces.
- **USB Rechargeable Battery:** Integrated 2200mAh battery provides long-lasting operation and can be recharged via USB.

2.2 Package Contents

- EZVALO LED Cabinet Light (x2)
- USB Charging Cable (x2)
- Iron Mounting Brackets with 3M Adhesive (x4)
- User Manual (This document)



Image 2.1: Product components and available color temperatures.

3. Setup and Installation

The EZVALO LED Cabinet Light offers flexible installation options due to its magnetic design.

3.1 Direct Magnetic Attachment

If your desired installation surface is made of iron or other magnetic material, simply attach the light directly. The powerful

built-in magnet will hold it in place.

3.2 Adhesive Mounting with Iron Brackets

For non-magnetic surfaces, use the provided iron mounting brackets:

1. **Step 1:** Identify the desired location for the light. Ensure the surface is clean, dry, and smooth.
2. **Step 2:** Peel off the protective film from the 3M adhesive on the back of the iron mounting brackets.
3. **Step 3:** Firmly press the brackets onto the chosen surface. Apply pressure for at least 30 seconds to ensure strong adhesion.
4. **Step 4:** Align the magnetic strip on the back of the LED light with the installed iron brackets and attach the light.

Image 3.1: Installation steps using adhesive iron brackets.

Note: For optimal adhesion, allow 24 hours after attaching the brackets before mounting the light.

4. Operating Instructions

The EZVALO LED Cabinet Light features a multi-functional touch button for controlling its various modes and settings.



Image 4.1: Touch button controls for working modes and dimming.

4.1 Power On/Off and Color Temperature Adjustment

- **Single Click:** Press the touch button once to turn the light ON. Subsequent single clicks will cycle through the three color temperatures (3500K Warm White, 4200K Natural White, 5700K Cool White) and then turn the light OFF.

4.2 Brightness Adjustment (Dimming)

- **Long Press:** When the light is ON, press and hold the touch button to continuously adjust the brightness. Release the

button when the desired brightness level is reached.

4.3 Working Modes

The light offers two primary working modes: Motion Sensor Mode and Always On Mode.

- **Motion Sensor Mode (Automatic):** This is the default mode. In dark environments, the light will automatically turn on when motion is detected within its range (approximately 12ft/120°). It will turn off after approximately 20 seconds of no motion.
- **Always On Mode:** Double-click the touch button to activate 'Always On' mode. The light will remain continuously lit regardless of motion or ambient light.
- **Always Off Mode:** Triple-click the touch button to activate 'Always Off' mode. The light will remain off and will not respond to motion.



Image 4.2: Intelligent motion detection mode.

5. Charging

The EZVALO LED Cabinet Light is powered by a built-in rechargeable lithium metal battery.

- **Battery Capacity:** 2200mAh.
- **Charging Port:** USB (Type-C cable included).
- **Charging Indicator:** A small LED indicator will show charging status (e.g., red for charging, green for fully charged).
- **Charging Time:** Approximately 3-4 hours for a full charge.
- **Battery Life:** Up to 78 hours in 'Always On' mode, or up to 90 days in motion sensor mode (depending on usage frequency).



Image 5.1: Detachable battery with 2200mAh capacity and charging IC.

To charge the light, connect the provided USB cable to the charging port on the light and to a standard USB power source (e.g., computer, wall adapter, power bank).

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your EZVALO LED Cabinet Light.

6.1 Cleaning

- Wipe the light with a soft, dry cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the finish or electronic components.

6.2 Battery Care

- Charge the battery fully before first use.
- Avoid completely draining the battery frequently, as this can reduce its lifespan.
- If storing the light for an extended period, charge it to about 50% every 3-6 months to prevent deep discharge.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Light does not turn on.	Battery is depleted. Light is in 'Always Off' mode. Insufficient ambient darkness (in motion sensor mode).	Charge the light fully. Triple-click the touch button to cycle out of 'Always Off' mode. Ensure the environment is dark enough for the motion sensor to activate.
Motion sensor is not working.	Light is in 'Always On' mode. Ambient light is too bright. Sensor is obstructed.	Single-click or triple-click to ensure it's in motion sensor mode. Test in a darker environment. Ensure nothing is blocking the sensor.
Light flickers or is dim.	Low battery. Brightness setting is too low.	Recharge the light. Long-press the touch button to increase brightness.
Light falls off surface.	Surface is not clean/smooth. Adhesive not fully cured. Surface is not magnetic.	Clean and dry the surface thoroughly before applying brackets. Allow 24 hours for adhesive to cure before mounting light. Ensure the surface is magnetic or use the adhesive brackets.

8. Specifications

Feature	Detail
Brand	EZVALO
Model Number	LY-40
Product Dimensions (L x W x H)	40 x 4.2 x 1 cm
Item Weight	442 g

Feature	Detail
Material	Iron, Aluminum
Number of LEDs	48
Color Temperatures	3500K, 4200K, 5700K
Luminous Flux	63 lm
Power	5 Watts
Voltage	5 Volts
Battery Type	1 Lithium Metal (included)
Battery Capacity	2200mAh
Charging Method	USB Rechargeable
Special Features	Motion Sensor, Dimmable, Touch Switch
Installation Type	Surface Mount (Magnetic or Adhesive Brackets)
Usage Environment	Indoor

9. Warranty and Support

EZVALO is committed to providing quality products and customer satisfaction.

9.1 Customer Service

For any questions, concerns, or support needs, please contact EZVALO customer service. Live customer service is available Monday to Friday, 9 AM - 5 PM (MEST).

Contact information can typically be found on the product packaging or the official EZVALO website.

9.2 Product Warranty

Specific warranty details may vary by region and retailer. Please refer to the warranty card included with your product or contact customer service for detailed information regarding warranty coverage and terms.

Information regarding spare parts availability and software updates is not available at this time.

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