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FULEN AL-1

FULEN AL-1 Magnetic Motion Sensor Under Cabinet Lights

Instruction Manual

PRODUCT OVERVIEW

The FULEN AL-1 Magnetic Motion Sensor Under Cabinet Lights are wireless, rechargeable LED lights designed for various indoor applications such as kitchens, closets, and cabinets. They feature advanced motion sensing capabilities and adjustable brightness to enhance convenience and energy efficiency.

Key Features

- **Motion Sensor:** Automatically detects human/pet motion within a 19ft/120° range and turns off after 20 seconds of no motion in dark environments.
- **Sweep Sensor (Gesture Control):** Allows turning the light ON/OFF and adjusting brightness with simple hand gestures.
- **Rechargeable Battery:** Equipped with a 2500mAh high-capacity battery, providing up to 10 hours in continuous ON mode or approximately 2 months in Auto (motion sensor) mode on a single charge.
- **Magnetic Installation:** Features built-in magnets for direct attachment to metal surfaces or use with included adhesive metal plates for non-metal surfaces.
- **Energy-Efficient LED:** Provides bright, consistent illumination while conserving energy.

WHAT'S INCLUDED

Your FULEN AL-1 package includes the following components:

- FULEN AL-1 Under Cabinet Lights (2 Pack)
- Integrated 2500mAh Rechargeable Battery
- Magnetic Strips with Adhesive
- USB Charging Cables (Type-C)

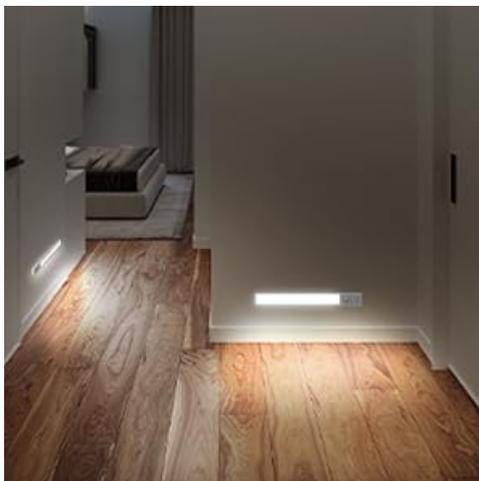
Note: A USB power adapter for charging is not included and must be supplied by the user.

SETUP

Charging the Lights

For optimal performance, fully charge the lights before their initial use.

1. Connect the provided USB charging cable to the Type-C port located on the side of the light.
2. Plug the other end of the cable into a compatible USB power adapter (e.g., phone charger, computer USB port).
3. The indicator light will illuminate (typically red) during charging and change color (typically green) when fully charged.



The FULEN AL-1 light features a Type-C USB charging port for convenient recharging.

Installation

The FULEN AL-1 lights are designed for easy, tool-free installation using magnetic attachment.

1. **Prepare the Surface:** Ensure the desired installation surface is clean, dry, and smooth for optimal adhesion.
2. **Attach Magnetic Strips:** Peel off the protective film from one side of the adhesive magnetic strip and firmly attach it to the back of the light.
3. **Mount the Light:** Peel off the protective film from the other side of the magnetic strip. Press the light firmly onto the prepared surface. For metal surfaces, the built-in magnets can attach directly. For non-metal surfaces, use the adhesive metal plates provided to create a magnetic mounting point.

Easy to install



Simple three-step installation: stick the adhesive to the light, peel off the backing, and attach the light to your desired surface.



The lights can be attached directly to metal surfaces like refrigerators or to wooden furniture using adhesive metal plates.

OPERATING INSTRUCTIONS

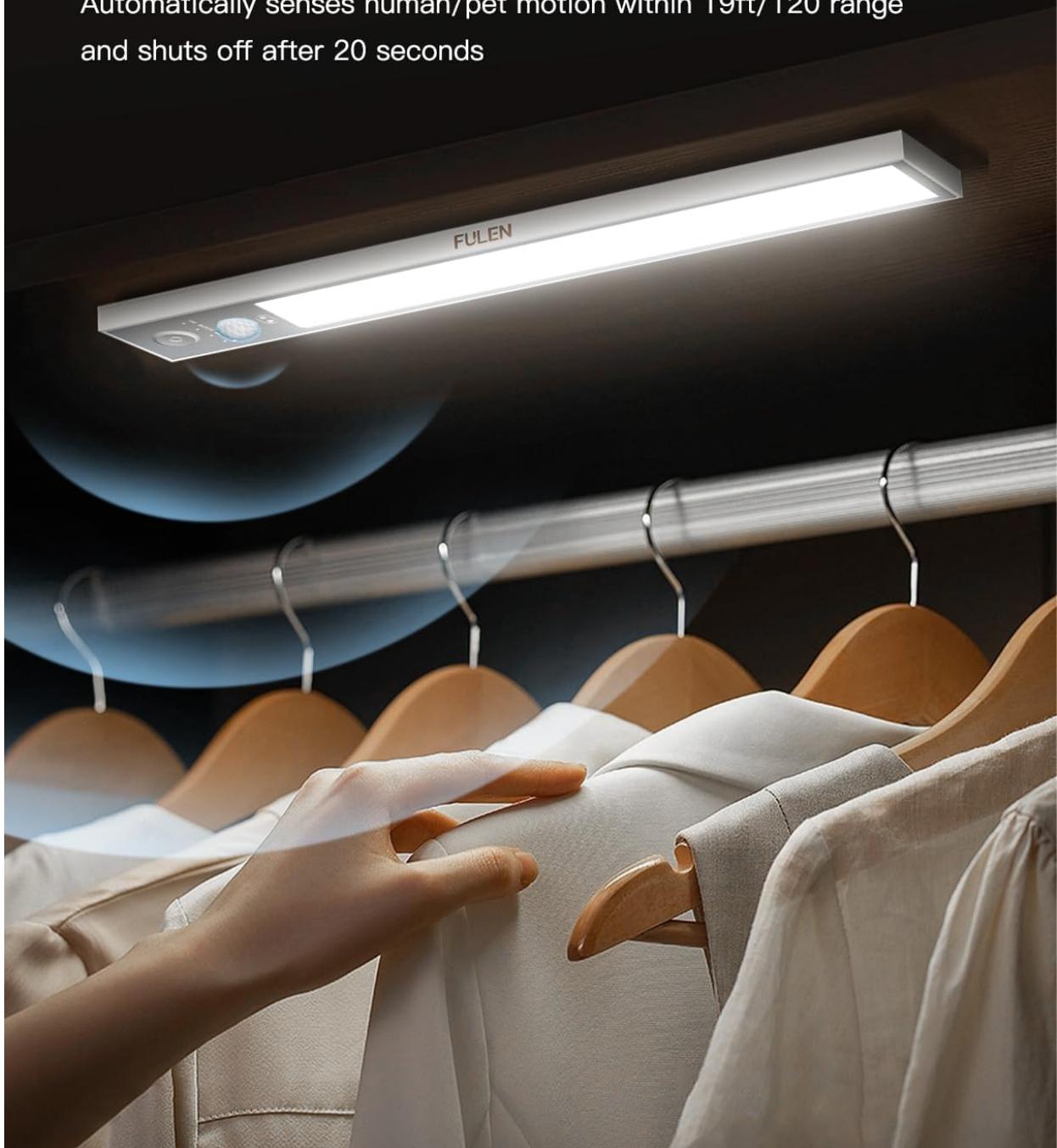
Power Button and Mode Selection

The light features a multi-function button for selecting operating modes and adjusting brightness.

1. **Short Press:** Press the button briefly to cycle through the following operating modes:
 - **ON Mode:** The light remains continuously on.
 - **AUTO Mode (Motion Sensor):** The light turns on automatically when motion is detected in dark environments. It will turn off after approximately 20 seconds of no motion.
 - **OFF Mode:** The light is turned off.
2. **Long Press:** While in ON mode or AUTO mode, press and hold the button to adjust the brightness level. The light will cycle through different brightness settings. Release the button when the desired brightness is achieved.

Smart Motion Sensor

Automatically senses human/pet motion within 19ft/120°range
and shuts off after 20 seconds



The smart motion sensor activates the light when movement is detected, ideal for closets and cabinets.

Sweep Sensor (Gesture Control)

The integrated sweep sensor allows for convenient hands-free operation.

1. **Turn ON/OFF:** Wave your hand across the sweep sensor to toggle the light on or off.
2. **Adjust Brightness:** Hold your hand steady in front of the sweep sensor to adjust the brightness level. The brightness will gradually change. Release your hand when the desired brightness is achieved.

Sweep to Turn ON/OFF Without Touching Switch



Wave your hand to turn the light on or off without touching the switch.

Energy Saving Feature

The motion sensor is designed to conserve energy by only activating in dark environments. In bright conditions, the light will not turn on even if motion is detected, preventing unnecessary power consumption.

MAINTENANCE

Cleaning

To clean the light, gently wipe it with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these may damage the surface or internal components.

Battery Care

To maximize the lifespan and performance of the integrated rechargeable battery, consider the following:

- Avoid fully discharging the battery frequently. Recharge the lights when the brightness noticeably diminishes.
- If storing the lights for an extended period (e.g., several months), charge them fully every 3-6 months to prevent deep discharge and maintain battery health.

TROUBLESHOOTING

Light Not Turning On

- **Check Battery:** Ensure the light is fully charged. Connect it to a power source and observe the charging indicator.
- **Check Mode:** Verify that the light is set to either ON mode or AUTO mode.
- **Motion Sensor (AUTO Mode):** In AUTO mode, the light will only activate in dark environments. Ensure there is sufficient darkness for the sensor to function. Test by covering the light sensor or moving to a darker area.
- **Sweep Sensor:** Ensure your hand is directly in front of the sweep sensor and that the gesture is clear and deliberate.

Motion Sensor Not Activating

- **Light Conditions:** The motion sensor is designed to work only in dark environments to save energy. If the area is too bright, the light will not activate.
- **Detection Range:** Ensure motion is occurring within the specified 19ft/120° detection range.
- **Obstructions:** Check for any physical obstructions (e.g., furniture, curtains) that might be blocking the sensor's view.

Short Battery Life

- **Full Charge:** Ensure the light is being fully charged each time.
- **Usage Mode:** Continuous ON mode will drain the battery significantly faster than AUTO mode. Consider using AUTO mode for longer battery life.
- **Frequency of Activation:** Very frequent motion detection and activation will consume more battery power.

SPECIFICATIONS

| Feature | Detail |
|-------------------|-----------------|
| Brand | FULEN |
| Model | AL-1 |
| Power Source | Battery Powered |
| Battery Capacity | 2500mAh |
| Light Source Type | LED |
| Light Color | White |

| Feature | Detail |
|------------------------|---|
| Control Method | Motion Sensor, Remote Control, Sweep Sensor |
| Switch Type | Motion Sensor, Remote Control |
| Motion Sensor Range | Up to 19ft / 120° |
| Auto-Off Time | 20 seconds (after no motion) |
| Installation Type | Surface Mount (Magnetic) |
| Product Dimensions | 9.8 x 1.35 x 0.45 inches |
| Item Weight | 8.8 ounces |
| Water Resistance Level | Not Water Resistant |

Battery Life Estimates

- **ON Mode:** Approximately 10 hours of continuous use.
- **AUTO Mode:** Approximately 2 months of use (based on typical activation frequency).

Charge once Use for 2 months

2500mAh high capacity battery

10h for ON mode, 2 months for Auto mode



The 2500mAh battery provides extended usage, up to 2 months in Auto mode.

PRODUCT VIDEOS

FULEN Wireless Motion Sensor Lights Overview

Your browser does not support the video tag.

This video demonstrates the unboxing, installation, and various features of the FULEN Wireless Motion Sensor Lights, including magnetic attachment, motion sensing in different environments (storage cabinet, bathroom, closet), and gesture control for turning the light on/off and adjusting brightness.

FULEN LED Motion Sensor Light Review

Your browser does not support the video tag.

This video provides a user review of the FULEN LED Motion Sensor Lights, showcasing their functionality in a closet setting. It demonstrates how the motion sensor activates the light upon opening the closet and the manual control for brightness adjustment. The reviewer also discusses the sensitivity of the motion sensor.

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or to inquire about replacement parts, please refer to the documentation included with your product packaging. You may also visit the official FULEN website for additional resources and contact options.