

## DUSKTEC MZ-L2901

# DUSKTEC LED Motion Sensor Under Cabinet Light

Model: MZ-L2901

## INTRODUCTION

Thank you for choosing the DUSKTEC LED Motion Sensor Under Cabinet Light. This manual provides detailed instructions for the safe and efficient use of your new light. Please read it thoroughly before installation and operation, and keep it for future reference.

This versatile LED light features a rotatable motion sensor, adjustable brightness and color temperature, and a rechargeable battery, making it ideal for various indoor applications such as kitchens, closets, wardrobes, pantries, and mirrors.

## SETUP AND INSTALLATION

Your DUSKTEC LED light offers three convenient installation methods:

1. **Magnetic Attachment:** The light has an integrated magnet. Simply attach it to any ferrous metal surface.
2. **Adhesive Mounting:** For non-ferrous surfaces, use the included self-adhesive metal sheet. Clean the surface thoroughly before application. Attach the metal sheet to the desired location, press firmly for one minute, and allow 24 hours for the adhesive to set before attaching the light magnetically.
3. **Screw Mounting:** For rougher surfaces or added security, use the included screws to fix the magnetic mounting piece.



Image: Illustration of the three installation methods: magnetic, adhesive with metal sheet, and screw mounting for the DUSKTEC LED light.



Image: Detailed steps for adhesive mounting, including cleaning the surface, attaching the pad, and pressing firmly.



Image: Illustration of screw mounting, showing the magnetic bracket secured with screws.



## Schranklichter

Image: The light features a unique hanging slot, allowing it to be easily picked up and hung anywhere.

## OPERATING INSTRUCTIONS

### Charging the Battery

The light is equipped with a built-in 2000 mAh rechargeable lithium polymer battery. Before first use, please charge the light completely for 4-5 hours using the provided USB Type-C cable and a DC 5V-1A charging adapter. The LED display will show the battery level.



Hinweis: Bitte vor dem ersten Gebrauch vollständig aufladen.

Image: The DUSKTEC light charging via its USB-C port, indicating a 2000 mAh high-capacity battery.

### Controls and LED Display

The light features an intuitive LED display and buttons for easy control:

- **LED Display:** Shows real-time battery level, current mode, brightness level, and charging indicator.
- **On/Off Mode Switch:** Cycles through the operating modes.
- **Brightness Adjustment:** Adjusts the light intensity.
- **Color Temperature Adjustment:** Changes the light color.

## Tastendesign



Image: Close-up view of the light's LED display showing battery level, brightness, and mode indicators, along with control buttons.

## Operating Modes

The light offers four operating modes:

- **Always On Mode:** Provides continuous illumination. The battery life in this mode ranges from 9 to 30 hours, depending on the selected brightness.
- **Always Off Mode:** The light remains off.
- **Day Mode (AUTO):** The light automatically turns on when motion is detected (within 10 feet/120°) during both day and night. It turns off after 20 seconds of no motion.
- **Night Mode (AUTO):** The light automatically turns on when motion is detected (within 10 feet/120°) only in dark environments. It turns off after 20 seconds of no motion.



Image: Visual representation of the three working modes: Always On for continuous light, Day Mode for motion detection day and night, and Night Mode for motion detection in dark conditions.

## Adjusting Brightness and Color Temperature

The light features 44 LEDs with a color rendering index (CRI) greater than 80 Ra and a luminous efficiency of 110 LM. The anti-glare design ensures soft light that is gentle on the eyes.

- **Brightness:** Adjust the brightness level between 25% and 100% using the dedicated button.

- **Color Temperature:** Switch between three color temperatures: Warm White (3000K), Neutral White (4500K), and Cool White (6500K).

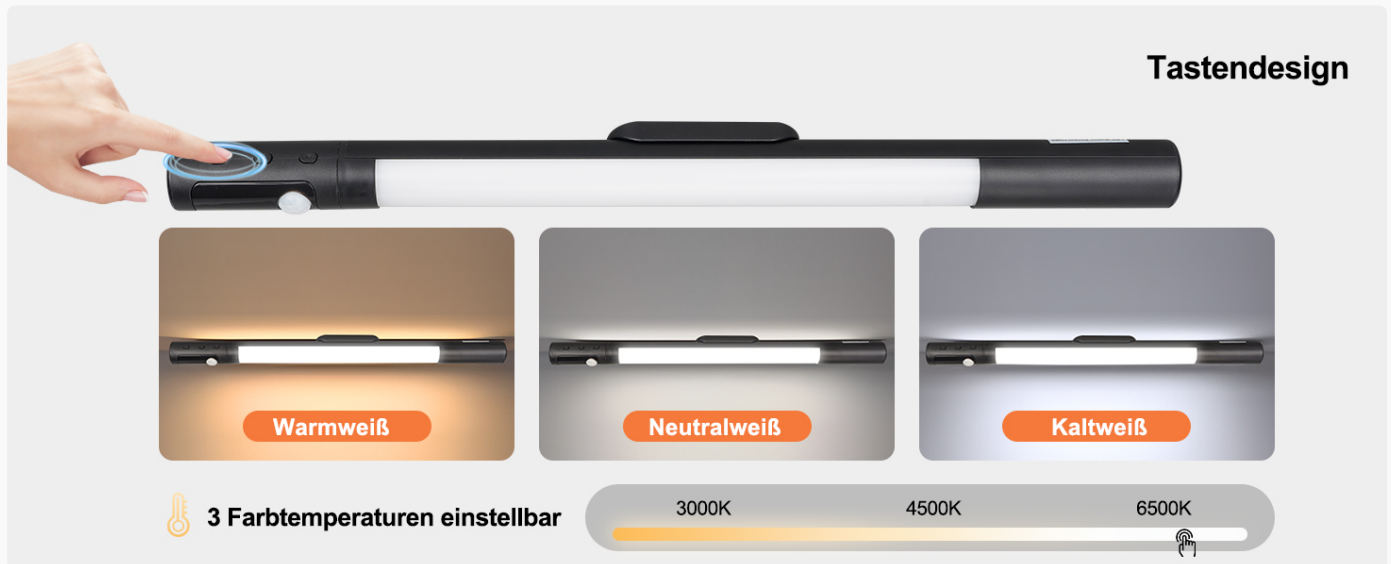


Image: Demonstrates adjustable brightness from 25% to 100% and three color temperature options: Cool White (6500K), Neutral White (4500K), and Warm White (3000K).

## Rotatable Motion Sensor

The motion sensor can be rotated up to 180 degrees, allowing you to manually adjust the detection direction to ensure the light activates precisely when and where you need it, preventing unnecessary activations.



Image: A comparison highlighting the DUSKTEC's 180-degree rotatable sensor, which allows for flexible adjustment of the detection area (0-270°), versus a standard fixed sensor with a limited 120° detection area.

## MAINTENANCE

- **Cleaning:** Wipe the light with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Recharge the light when the battery level is low. If storing for an extended period, charge the battery to about 50% and recharge every 3-6 months.
- **Environmental Conditions:** This light is designed for indoor use. While it is waterproof, avoid exposing it to extreme temperatures, high humidity, or direct water immersion.

# TROUBLESHOOTING

| Problem                                  | Possible Cause                                                                                                   | Solution                                                                                                                    |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Light does not turn on.                  | Battery is depleted. Incorrect mode selected. Sensor blocked.                                                    | Charge the battery. Ensure the light is not in 'Always Off' mode. Check if the motion sensor is obstructed.                 |
| Motion sensor not working.               | Incorrect mode selected (e.g., 'Always On'). Sensor direction incorrect. Ambient light too high (in Night Mode). | Switch to 'Day Mode' or 'Night Mode'. Adjust the sensor's rotation. Ensure the environment is dark enough for 'Night Mode'. |
| Light flickers or is dim.                | Low battery.                                                                                                     | Recharge the battery fully.                                                                                                 |
| Light falls off after adhesive mounting. | Surface not clean. Insufficient curing time. Surface unsuitable.                                                 | Ensure surface is clean and smooth. Allow 24 hours for adhesive to cure. Consider screw mounting for rougher surfaces.      |

# PRODUCT SPECIFICATIONS

- **Model Number:** MZ-L2901
- **Brand:** DUSKTEC
- **Color:** Black
- **Material:** Plastic, Acrylic (shade)
- **Dimensions (L x W x H):** 38 x 2.7 x 2.9 cm (14.96 x 1.06 x 1.14 inches)
- **Weight:** 231 grams
- **Battery:** 1 x 2000 mAh Lithium-ion (included)
- **Charging Time:** 4-5 hours (via USB Type-C, DC 5V-1A)
- **Continuous Use Time:** 9-30 hours (depending on brightness)
- **Power Source:** Battery powered
- **Bulb Type:** LED
- **Number of LEDs:** 44
- **Voltage:** 4.2 Volts
- **Wattage:** 1.35 Watts
- **Luminous Efficiency:** 110 LM
- **Color Temperature:** Adjustable (Warm White 3000K, Neutral White 4500K, Cool White 6500K)
- **Brightness:** Adjustable (25% - 100%)
- **Motion Sensor Detection Angle:** 120°
- **Motion Sensor Detection Range:** Up to 10 feet (3 meters)
- **Motion Sensor Rotation:** 180° adjustable
- **Switch Type:** Motion sensor, Push button
- **Waterproof Level:** Waterproof (for indoor use)
- **Mounting Type:** Surface mount, Removable (Magnetic, Adhesive, Screw)
- **Certifications:** CE, RoHS

## WARRANTY AND SUPPORT

**Manufacturer's Warranty:** This DUSKTEC product comes with a 2-year limited manufacturer's warranty.

**Refund Policy:** A 30-day refund policy is available from the date of purchase.

For any questions, technical support, or warranty claims, please contact DUSKTEC customer service through your purchase platform or visit the official DUSKTEC website for contact information.



Image: Details on the 2-year limited manufacturer's support, quick response within 24 hours, and safety certifications (UKCA / CE / ROHS).

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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