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Ansmann 1600-0436

Ansmann LED-Band with Sensor 2m 60 LEDs Warm-White (Model 1600-0436) User Manual

1. INTRODUCTION

Thank you for choosing the Ansmann LED-Band with Sensor. This manual provides essential information for the safe and efficient use of your new LED lighting product. Please read these instructions carefully before installation and operation, and retain them for future reference.

1.1 Safety Instructions

- This product is designed for indoor use only. Do not expose to moisture or extreme temperatures.
- Ensure the installation surface is clean, dry, and smooth for proper adhesion.
- Do not attempt to modify or repair the device. Refer all servicing to qualified personnel.
- Dispose of used batteries according to local regulations.
- Keep out of reach of children.

1.2 Package Contents

- 1x Ansmann LED-Band (2 meters, 60 Warm-White LEDs)
- 1x Sensor Unit with integrated motion and dark sensors
- Batteries (pre-installed or included separately)
- 1x User Manual

2. PRODUCT OVERVIEW

The Ansmann LED-Band is a versatile, battery-powered lighting solution featuring a motion sensor and a dark sensor for automatic illumination. It is ideal for accent lighting in various indoor applications.







Figure 2.1: Ansmann LED-Band Sensor Unit. This image shows the compact sensor unit, which controls the LED strip. It features a sleek, white design with a textured surface and visible control buttons and sensor components.

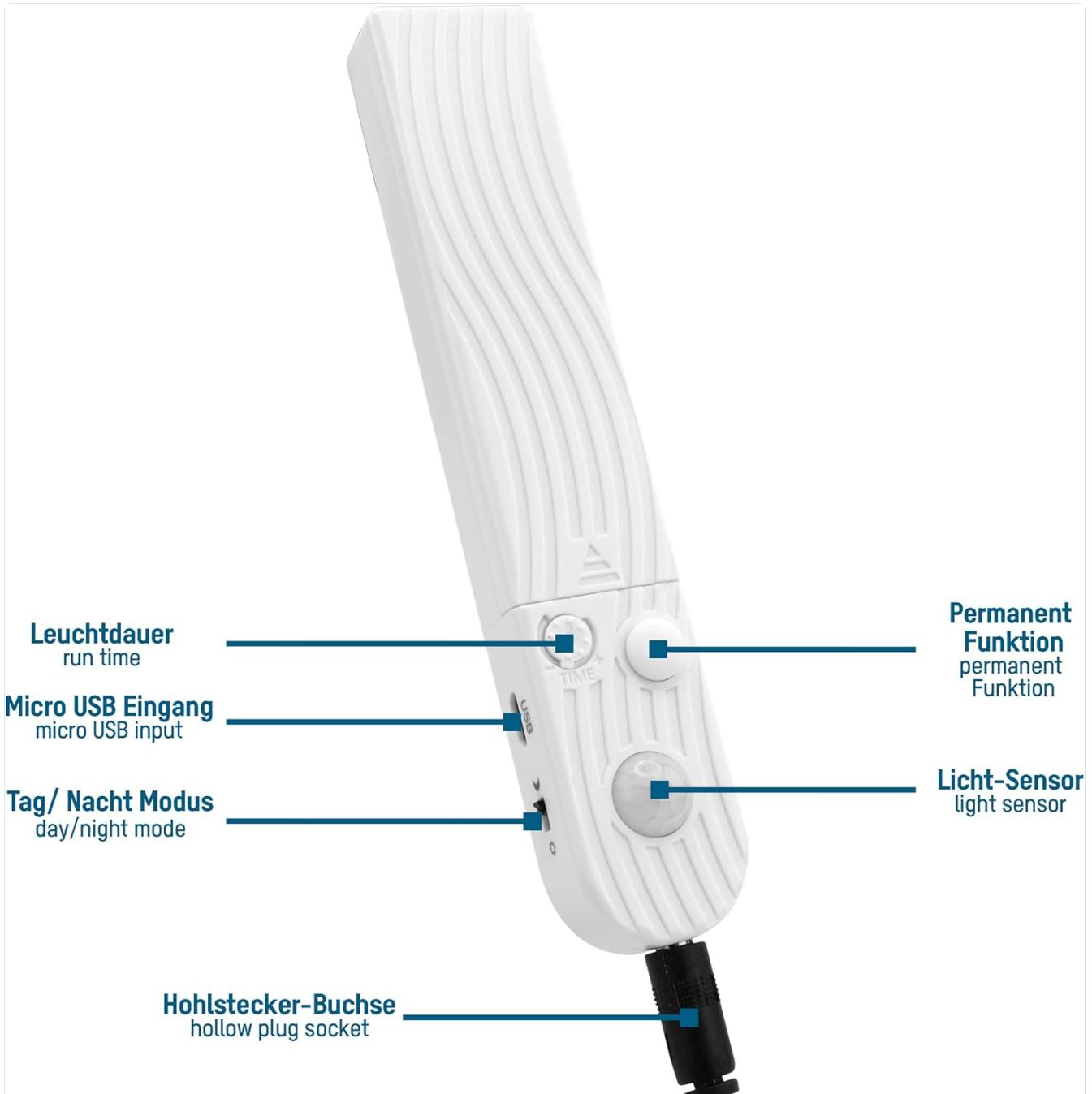


Figure 2.2: Sensor Unit with Labeled Components. This image provides a detailed view of the sensor unit, highlighting key features such as the 'run time' adjustment button, 'permanent function' button, micro USB input, day/night mode switch, light sensor, and hollow plug socket for the LED strip connection.

2.1 Key Features

- **Motion Sensor:** Automatically detects movement to activate the light.
- **Dark Sensor:** Ensures the light only activates in low-light conditions, conserving battery life.
- **Warm-White LEDs:** Provides a comfortable and inviting illumination.
- **Battery Powered:** Offers flexible placement without the need for power outlets.
- **Adjustable Run Time:** Customize how long the light stays on after activation.
- **Permanent Function:** Option for continuous illumination.

3. SETUP

3.1 Battery Installation

The Ansmann LED-Band is battery-powered, and batteries are included. If replacing batteries, ensure correct polarity and use alkaline batteries for optimal performance. The battery compartment is typically located on the back or side of the sensor unit.

3.2 Mounting the LED Strip

- 1. Prepare the Surface:** Clean the desired mounting surface thoroughly to remove dust, grease, or moisture. A clean, dry, and smooth surface ensures optimal adhesion.
- 2. Peel Adhesive Backing:** Carefully peel off the protective film from the adhesive backing on the LED strip.
- 3. Attach the Strip:** Press the LED strip firmly onto the prepared surface, working along its length to ensure full contact.



Figure 3.1: Peeling the adhesive backing. This image shows a hand carefully peeling the protective film from the adhesive strip on the back of the LED-Band, revealing the sticky surface for mounting.

3.3 Connecting the LED Strip to the Sensor Unit

Connect the small plug from the LED strip into the hollow plug socket on the sensor unit. Ensure a secure connection.







Figure 3.2: Full product setup. This image displays the complete Ansmann LED-Band system, showing the sensor unit connected to the flexible LED strip, ready for installation.

3.4 Placement Considerations

- Position the sensor unit where it can effectively detect motion in the desired area.
- Ensure the light sensor is not obstructed, as this will affect its ability to detect ambient light levels.
- The LED strip can be cut at designated points (marked with a scissor icon) to fit specific lengths. Always cut only at these marked points to avoid damaging the circuit.



Figure 3.3: Cutting the LED strip. This image illustrates how to safely shorten the LED strip by cutting it at the clearly marked points, indicated by copper pads and a scissor icon.

4. OPERATING INSTRUCTIONS

The sensor unit features controls for adjusting the light's behavior.

4.1 Day/Night Mode Switch

Locate the small switch labeled 'Tag/Nacht Modus' (Day/Night Mode) or similar. This switch controls when the light sensor is active:

- **Day Mode:** The light will activate with motion regardless of ambient light.
- **Night Mode:** The light will only activate with motion when the ambient light level is low (dark sensor active).

4.2 Run Time Adjustment ('TIME+')

The 'TIME+' button allows you to adjust how long the LED strip remains illuminated after motion is detected and then ceases. Pressing this button cycles through different preset durations. Refer to the markings on the sensor unit for specific time intervals.

4.3 Permanent Function

The button labeled 'Permanent Funktion' (Permanent Function) or similar allows for continuous illumination, bypassing the motion and dark sensors. Press this button to turn the light on permanently. Press it again to return to sensor-controlled operation.

5. MAINTENANCE

5.1 Cleaning

To clean the LED strip and sensor unit, gently wipe with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the product.

5.2 Battery Replacement

When the light output diminishes or the unit stops functioning, it is time to replace the batteries. Open the battery compartment, remove the old batteries, and insert new alkaline batteries, ensuring correct polarity. Dispose of old batteries responsibly.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Dead batteries, incorrect sensor mode, obstructed sensor.	Replace batteries. Check Day/Night mode switch. Ensure motion and light sensors are clear.
Light stays on continuously.	Permanent function activated, continuous motion detected.	Deactivate permanent function. Ensure no constant motion is within sensor range.
Light flickers or is dim.	Low battery power.	Replace batteries.

Problem	Possible Cause	Solution
LED strip does not adhere.	Surface is dirty or uneven.	Clean and dry the surface thoroughly before application.

7. SPECIFICATIONS

- **Model:** 1600-0436
- **Brand:** Ansmann
- **LED Strip Length:** 2 meters
- **Number of LEDs:** 60
- **Light Color:** Warm-White
- **Power Source:** Battery Powered (Alkaline)
- **Special Features:** Motion Sensor, Dark Sensor
- **Item Weight:** Approximately 5.6 ounces (158 grams)
- **Product Dimensions (Sensor Unit):** Approximately 4.92 x 1.18 x 10.71 inches
- **Usage:** Indoor decorative and specific lighting (e.g., furniture underside, kitchen, bathroom, landing, wardrobe)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact your retailer. Ansmann products are manufactured with high-quality materials and undergo strict quality control. For technical support or inquiries, please visit the official Ansmann website or contact their customer service department.

9. APPLICATION EXAMPLES

The Ansmann LED-Band is versatile and can be used in various indoor settings to provide convenient, automatic lighting.



Figure 9.1: Bathroom application. This image shows the LED-Band installed as accent lighting under a bathroom vanity and around a mirror, providing soft, warm illumination.



Figure 9.2: Wardrobe application. Here, the LED-Band is used inside a wardrobe, illuminating clothing and accessories, making it easier to find items.



Figure 9.3: Staircase application. The LED-Band is installed along a staircase, providing subtle and safe illumination for navigating steps in low light conditions.