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› [ALITOVE](#) /

› [ALITOVE 24V LED Strip Lights \(Model: 10M2835DWWP\) Instruction Manual](#)

ALITOVE 10M2835DWWP

ALITOVE 24V LED Strip Lights Instruction Manual

Model: 10M2835DWWP

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your ALITOVE 24V LED Strip Lights. Please read these instructions thoroughly before use and retain them for future reference.

PRODUCT FEATURES

- **Energy-saving:** Utilizes advanced technology for full brightness at 70W power consumption.
- **High Quality Illumination:** Features SMD 2835 LEDs, providing Daylight White light (5700K~6200K) with 18 lumens per LED. A Color Rendering Index (CRI) of over 90 ensures accurate color representation. The high-density 120 LEDs/meter design promotes even and natural light distribution.
- **Extended Length Design:** Supplied as a 10-meter (32.8ft) continuous strip with 24V DC input, designed to prevent voltage drop even when all 1200 LEDs are illuminated at full white. Suitable for large indoor and outdoor lighting projects.
- **Enhanced Safety:** Operates on 24V, offering a safer alternative to 110V LED strips and is touchable. Note: A 24V DC power supply is required and not included.
- **Waterproof Durability (IP67):** Encased in a clear PVC tube for protection against water and dust, making it suitable for outdoor use, including exposure to rainstorms.
- **Flexible and Customizable:** The strip can be cut at designated points (every 6 LEDs, approximately 5 cm) without affecting the remaining sections. Its soft and flexible nature allows for bending and shaping to fit various installation requirements.

PACKAGE CONTENTS

- 1 x 10 meters (32.8ft) ALITOVE 24V LED Strip Light
- 5 x Mounting clips
- 10 x Mini screws

Note: A 24V DC power supply and adhesive are not included and must be purchased separately.

SETUP INSTRUCTIONS

1. **Prepare the Installation Area:** Ensure the surface where the LED strip will be installed is clean, dry, and smooth.
2. **Measure and Cut (if necessary):** If a shorter length is required, identify the designated cutting marks on the LED strip (indicated by a scissor icon or copper pads). Cut only at these marks. Cutting elsewhere may damage the strip.
3. **Connect to Power Supply:** Connect the female DC connector of the LED strip to a compatible 24V DC power supply (not included). Ensure the power supply is rated appropriately for the strip's wattage (70W for 10m).
4. **Secure the Strip:** Use the provided mounting clips and mini screws to secure the LED strip to your desired surface. For additional adhesion, a suitable adhesive (not included) can be applied to the back of the strip.
5. **Power On:** Plug the 24V DC power supply into a standard electrical outlet.



Image: ALITOVE LED strip light reel with included mounting clips and screws. A note indicates that a 110V AC to 24V DC Power Supply adapter is not included in the package.

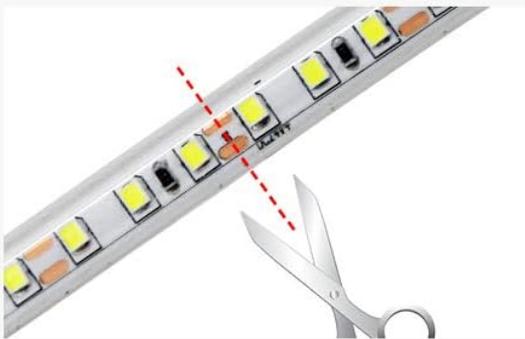


Flexible LED strip

Soft and easy to bend
free to fold and install

2835 LED chip

Improve brightness, save
energy, and save long life



Cut freely

Every 6 LEDs(5 CM) can
be cut at the cutting point

With Female DC connector

Makes it easy to connected to
24V DC power supply that has
male DC plug. If you don't need it,
please cut it off.



Image: Detailed views of the flexible LED strip, highlighting the 2835 LED chip for improved brightness and longevity, designated cutting points every 6 LEDs (5 CM), and the female DC connector for easy connection to a 24V DC power supply.

OPERATION

Once installed and connected to a power supply, your ALITOVE LED Strip Lights can be operated using the inline switch or an optional remote control (if purchased separately).

- **Inline Switch:** The cable features an inline switch for basic ON/OFF functionality.
- **Remote Control (Optional):** If you have a compatible remote control, it typically offers functions such as ON/OFF, brightness adjustment (up/down), and potentially timer settings (e.g., 15-minute increments). Refer to your remote control's specific instructions for pairing and full functionality.

MAINTENANCE

The ALITOVE LED Strip Lights are designed for durability and minimal maintenance.

- **Cleaning:** Due to its IP67 waterproof rating and clear PVC tube enclosure, the LED strip is easy to clean. Use a soft, damp cloth to wipe away dust or dirt. Avoid abrasive cleaners or harsh chemicals.
- **Inspection:** Periodically inspect the strip and connections for any signs of wear, damage, or loose connections. Ensure the PVC tube remains intact, especially for outdoor installations.



Image: The ALITOVE LED strip light coiled, demonstrating its IP67 waterproof protection through a clear PVC tube, suitable for outdoor use.

TROUBLESHOOTING

- **Lights Not Turning On:**
 - Ensure the 24V DC power supply is correctly connected and plugged into a working electrical outlet.
 - Check all connections between the strip and the power supply for secure contact.
 - Verify that the inline switch or remote control is set to the 'ON' position.
- **Uneven Brightness or Dimming at End of Strip:**

- While the 10m strip is designed to minimize voltage drop, in some installations, especially at full brightness or with extended wiring, a slight dimming might be observed at the far end.
- Consider using a power supply with a slightly higher amperage rating (within the strip's safe operating limits) or, for very critical applications, supplying power to both ends of the strip to ensure uniform brightness.

- **Section of Strip Not Lighting Up:**

- If a section of the strip was cut, ensure the cut was made precisely at the designated cutting marks. Improper cuts can damage the circuit for that section.
- Inspect the affected section for any visible damage to the LEDs or wiring within the PVC tube.

TECHNICAL SPECIFICATIONS



Image: Visual representation of the ALITOVE LED strip's main features, including its 10m length, 1200 LEDs, 24V DC input, flexibility, IP67 waterproof rating, ultra-bright output, and ability to be cut.

Daylight 5700-6200K



2835 LED
Light Source



15~18 lm
per LED



Flicker-free
Eye-caring



Energy
saving



Touchable
and safe

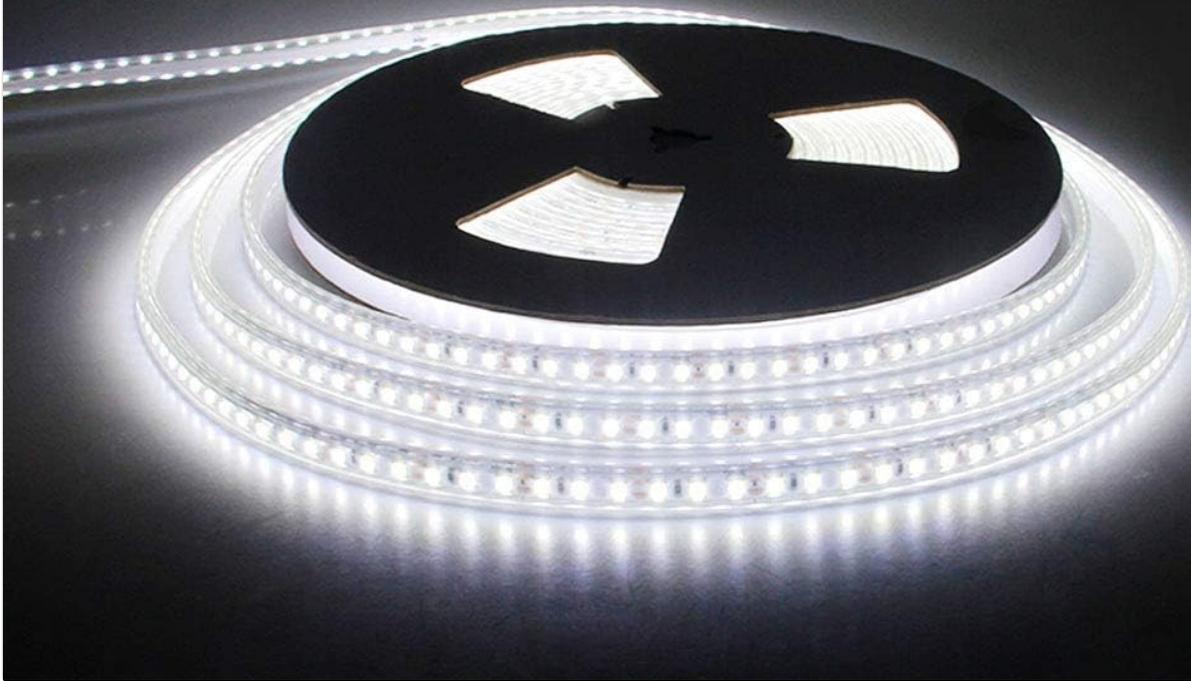


Image: Icons describing the technical aspects of the LED strip, such as the 2835 LED light source, individual LED brightness (15-18 lm), flicker-free operation, eye-caring design, energy efficiency, and safety for touch.

Specification	Detail
Brand	ALITOVE
Model Number	10M2835DWWP
Light Source Type	SMD 2835 LED
Light Color	Daylight White
Color Temperature	5700K~6200K
Number of LEDs	1200 (120 LEDs/meter)
Brightness	18lm/LED (21600 Lumens total for 10m)
Voltage	DC 24V
Wattage	70 watts

Specification	Detail
Length	10 meters (32.8 feet)
Dimensions (approx.)	10mm (width) x 5mm (height)
Waterproof Rating	IP67
Indoor/Outdoor Usage	Outdoor
Plug Format	5.5x2.1mm female DC connector
Material	Plastic (PVC tube)

WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims, technical support, or further assistance, please contact ALITOVE customer service directly through their official channels or the retailer where the product was purchased.