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> DEMASLED LED Strip Lights User Manual

DEMASLED tsmd-31nw

DEMASLED LED Strip Lights User Manual

Model: tsmd-31nw

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DEMASLED 12V 16.4ft UL Listed Warm White 2835 SMD Zig-Zag LED Strip Lights. Please read this manual thoroughly before use to ensure proper functionality and safety.

2. SAFETY INFORMATION

- **Voltage:** This LED strip operates on 12V DC. Do not connect directly to 110V AC power. A compatible 12V DC power supply (not included) is required.
- **Indoor Use Only:** This product has an IP33 rating, meaning it is non-waterproof and intended for indoor use only. Avoid exposure to moisture or direct water.
- **Cutting:** Only cut the LED strip at designated cutting points (every 5cm or 1.97 inches) to prevent damage.
- **Power Supply:** Ensure the power supply is disconnected before any installation, cutting, or maintenance.
- **Heat:** While LED strips generate minimal heat, ensure proper ventilation around the installed area.
- **Professional Installation:** If you are unsure about any electrical connections, consult a qualified electrician.

3. PRODUCT FEATURES

- **Light Color:** Warm White 3000K
- **Length:** 16.4 feet (5 meters)
- **LED Type:** 2835 SMD
- **LED Count:** 300 LEDs (60 LEDs per meter)
- **Luminous Flux:** 3300 lumens per roll
- **Power Consumption:** 6.2W per meter
- **Flexibility:** Unique S-shape design allows for easy bending and turning, including 90-degree angles,

ideal for corners and intricate designs.

- **Dimmable:** Compatible with appropriate dimmers (not included) for adjustable brightness.
- **Cutable:** Can be cut every 5cm (1.97 inches) at marked points.
- **Lifespan:** Over 50,000 hours.

4. PACKAGE CONTENTS

Your package should contain the following item:

- 1 x DEMASLED 12V 16.4ft UL Listed Warm White 2835 SMD Zig-Zag LED Strip Light (Model: tsmd-31nw)

Note: A 12V DC power supply is not included and must be purchased separately.

5. SETUP

5.1 Preparation

- Ensure the installation surface is clean, dry, and smooth.
- Plan your layout before adhering the strip.
- Gather necessary tools: scissors (if cutting), 12V DC power supply, and any connectors or dimmers.

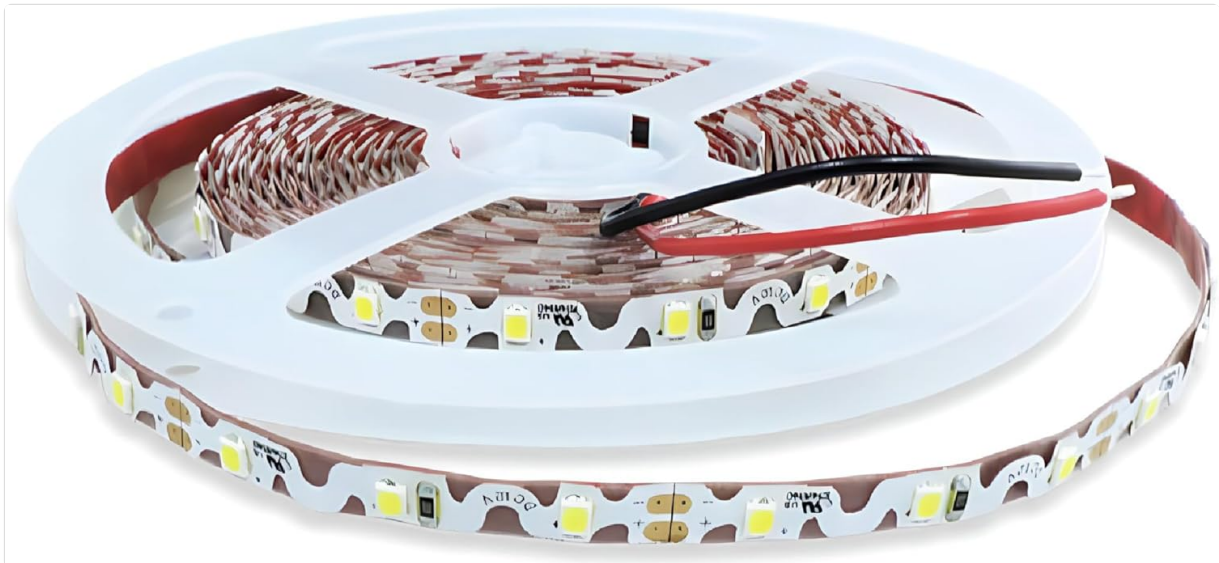


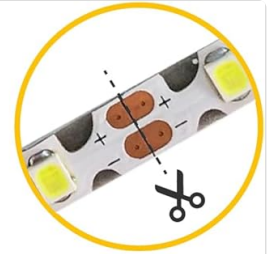
Image 1: The DEMASLED 12V 16.4ft Warm White LED Strip Light, shown on its reel, ready for installation.

5.2 Cutting the LED Strip

If you need to shorten the LED strip, cut only at the designated cutting marks. These marks are typically indicated by a copper pad and a scissor icon.

Cutting Area | Área de corte

Cut every 5cm (1.97in) as indicated on the image on the strip, to reduce the risk of errors that may damage the LED Strip. | Corte cada 5cm (1.97in) tal como lo indica el dibujo en la tira para reducir el riesgo de dañar la tira LED.



5 M
16.4 FT

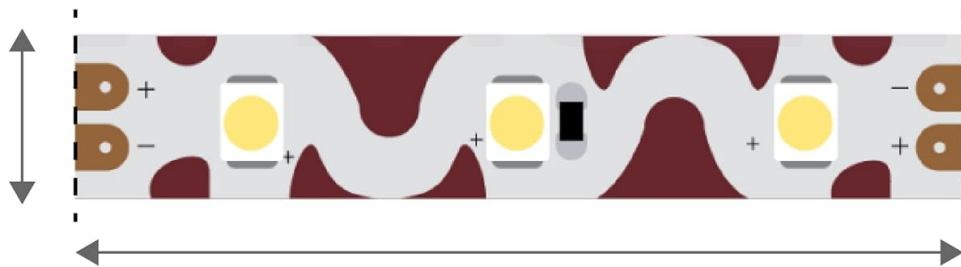
3.5mm / 0.14in



2.8mm / 0.11in

60 LEDs/m
SMD 2835

6mm / 0.24in



50mm / 1.97in

Image 2: This diagram illustrates the precise cutting points on the LED strip, located every 5cm (1.97 inches), along with key dimensions of the strip and individual LEDs.

5.3 Adhering the LED Strip

- Peel off the adhesive backing from the LED strip.
- Carefully press the strip onto the prepared surface, ensuring firm contact.
- The S-shape design allows for easy bending around corners without creasing the strip.

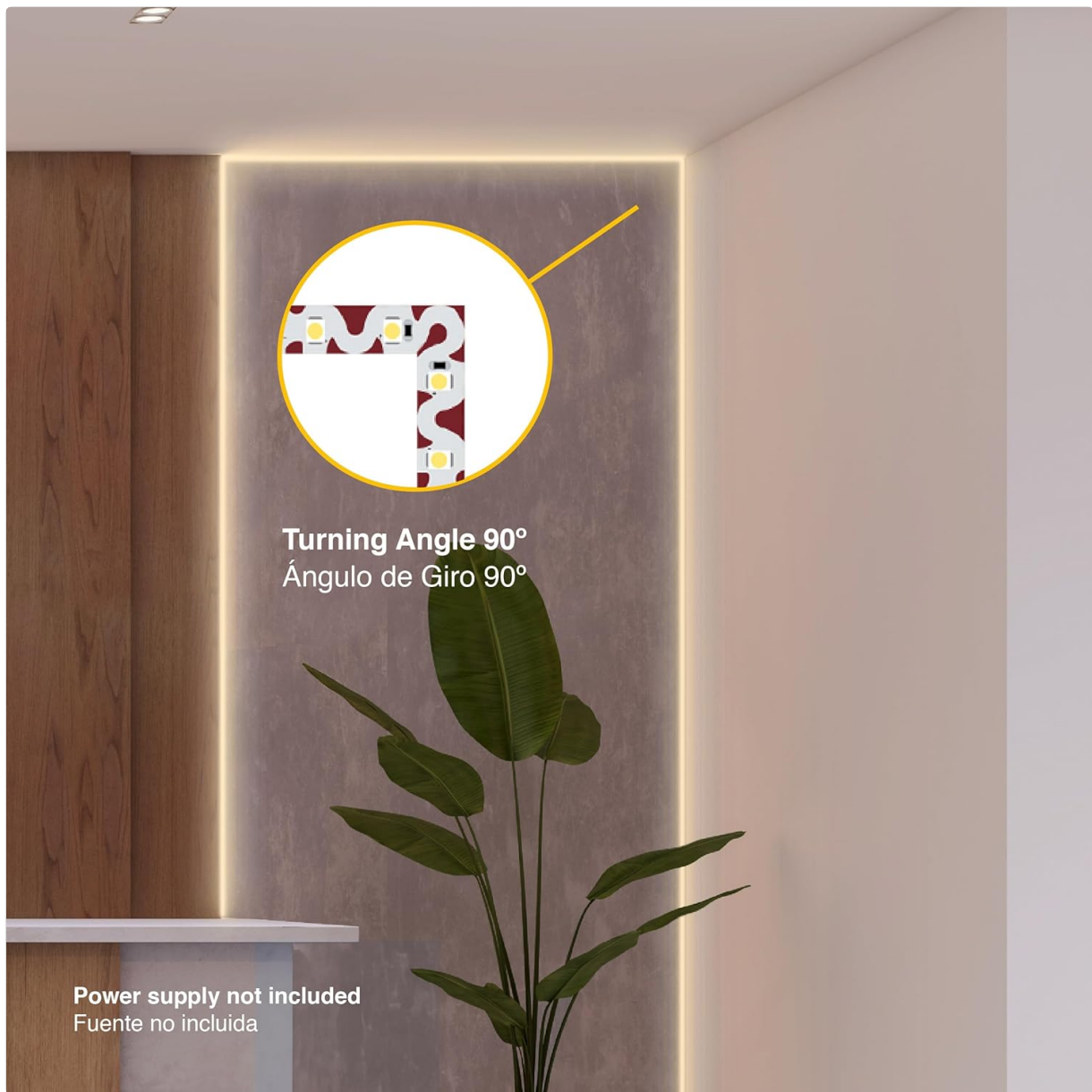


Image 3: An example of the LED strip installed around a 90-degree corner, demonstrating its S-shape flexibility for seamless angle turning. Note that the power supply is not included.

5.4 Connecting Power

- Connect the red wire of the LED strip to the positive (+) terminal of your 12V DC power supply.
- Connect the black wire of the LED strip to the negative (-) terminal of your 12V DC power supply.
- If using a dimmer, connect it between the power supply and the LED strip according to the dimmer's instructions.



Image 5: The Warm White 3000K LED strip on its reel, highlighting its 12V, 6.2W/m power, 3300 lumens per roll, and UL Listed certification.

6.2 Dimming (Optional)

If you have connected a compatible dimmer, use its controls to adjust the brightness of the LED strip to your desired level.

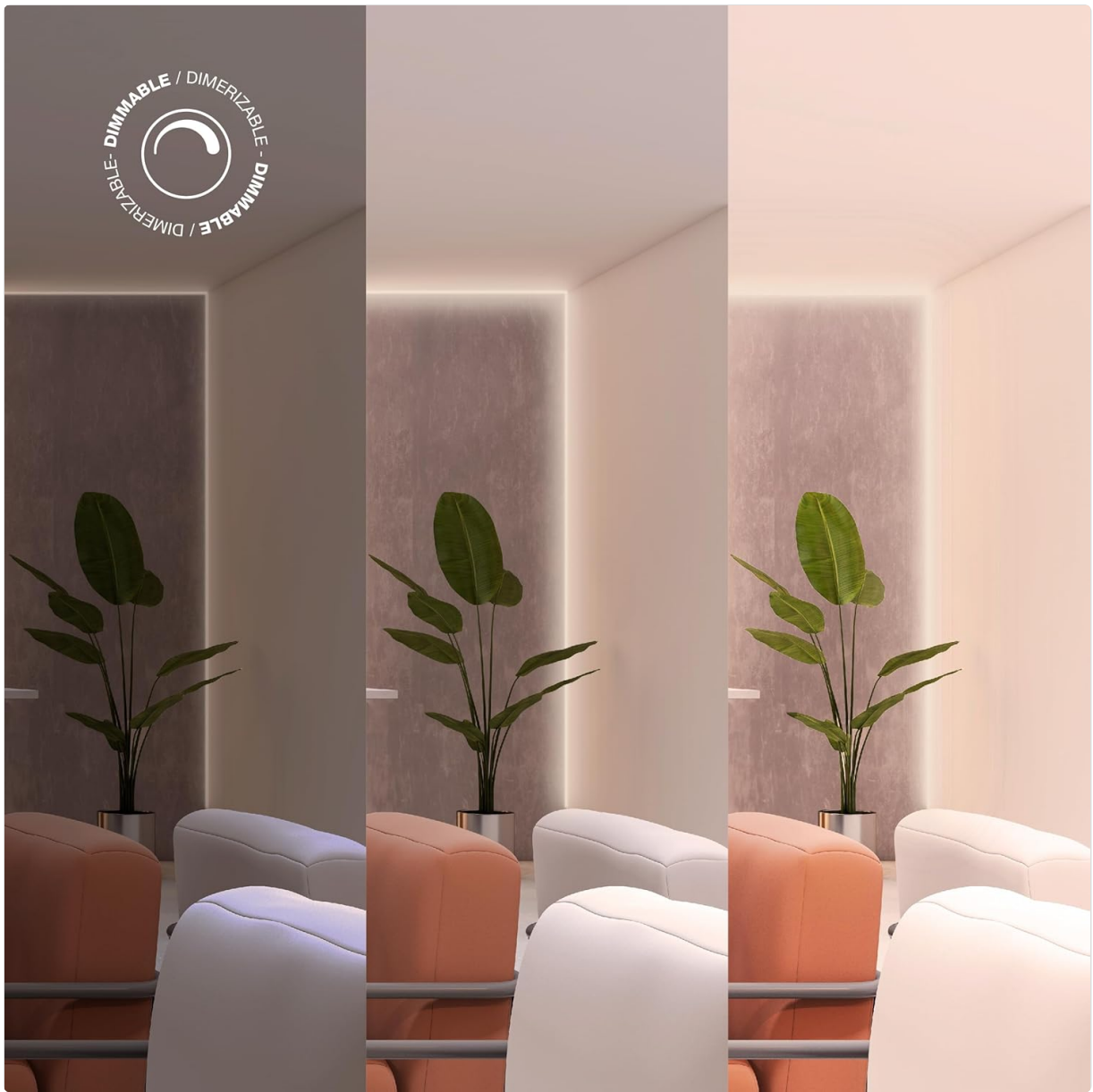


Image 6: This image demonstrates the dimmable capability of the LED strip, showing three different brightness levels from fully illuminated to dimmed, illustrating how the light can be adjusted to suit various ambiances.

7. MAINTENANCE

- **Cleaning:** Ensure the power is off before cleaning. Gently wipe the LED strip with a dry, soft cloth. Do not use abrasive cleaners or liquids.
- **Inspection:** Periodically check the strip for any signs of damage or loose connections.
- **Lifespan:** With a lifespan of over 50,000 hours, regular replacement is not typically required under normal operating conditions.

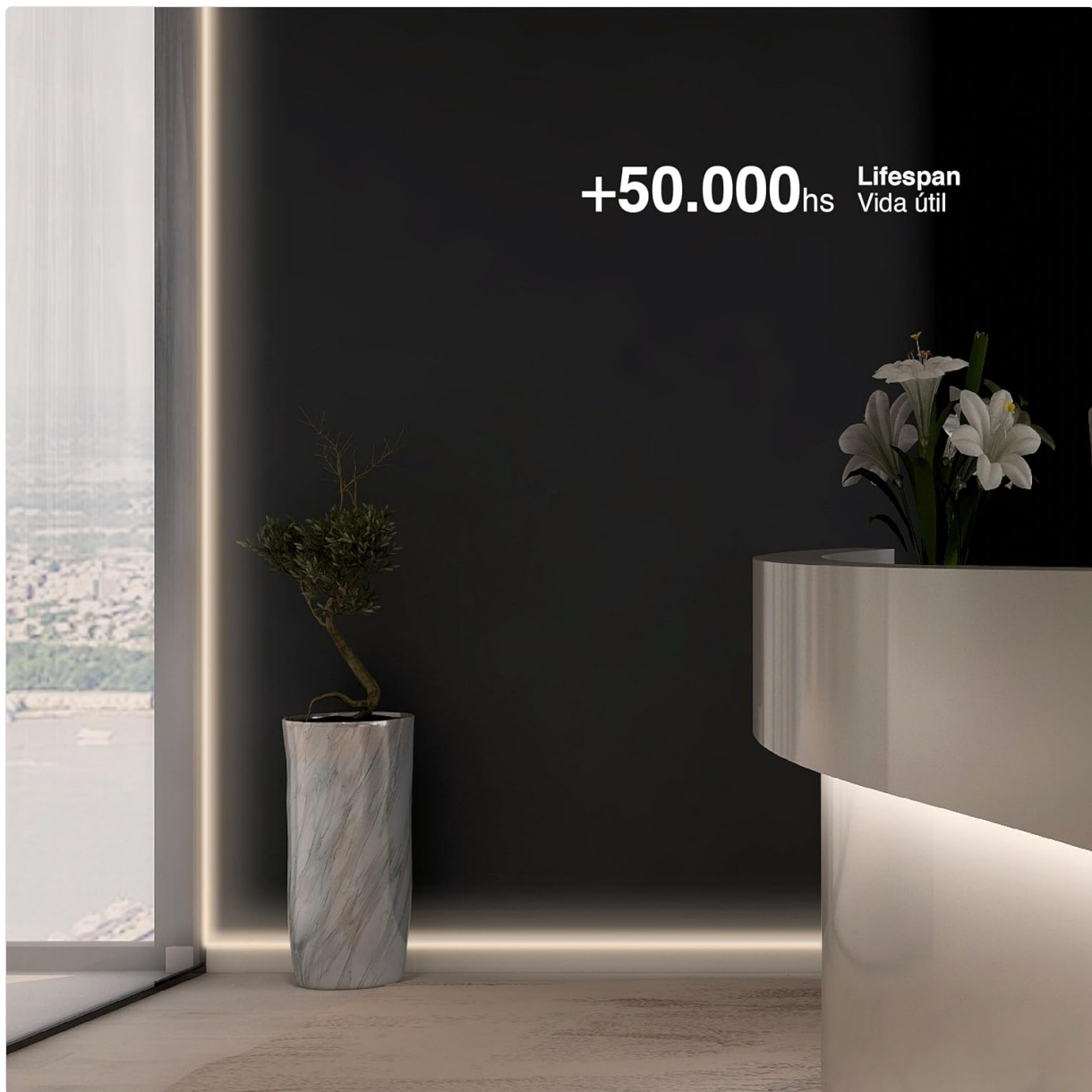


Image 7: The LED strip integrated into a modern interior design, emphasizing its long lifespan of over 50,000 hours, ensuring lasting illumination.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED strip does not light up.	No power, incorrect wiring, faulty power supply, or damaged strip.	Check power outlet. Verify positive and negative connections. Test power supply. Inspect strip for visible damage, especially at cut points.
Part of the LED strip is not lighting up.	Damage to a section, improper cut, or faulty connection.	Inspect the non-working section for physical damage or a bad connection. Ensure cuts were made only at designated marks.
LED strip flickers.	Insufficient power supply, loose connection, or incompatible dimmer.	Ensure power supply wattage is adequate for the strip's length. Check all connections for tightness. Verify dimmer compatibility.

Problem	Possible Cause	Solution
Adhesive is not holding.	Surface was not clean or smooth, or adhesive has lost its tackiness.	Clean and prepare surface thoroughly. Use additional mounting clips or stronger adhesive if needed.

9. SPECIFICATIONS

Attribute	Value
Model Number	tsmd-31nw
Color Temperature	Warm White 3000K
Voltage	12 Volts DC
Wattage	6.2W/m
Luminous Flux	3300 Lumens (per roll)
LED Type	2835 SMD
Number of LEDs	300 (60 LEDs/m)
Length	16.4 ft (5 meters)
Water Resistance Level	IP33 (Non-Water Resistant)
Special Features	Dimmable, Flexible, S-Shape, Cuttable, Adjustable
Material	Plastic, Copper
Manufacturer	DEMASLED
Country of Origin	China
Item Weight	2.39 ounces
UPC	747565773788

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact DEMASLED directly. As a U.S. based company located in Florida, DEMASLED aims to provide prompt assistance for any questions or issues you may encounter.

You can visit the official DEMASLED store on Amazon for more information and contact details:

[DEMASLED Amazon Store](#)