MALIIGAZA MALIIGAZA COB LED STRIP

MALIIGAZA 32.8FT COB LED Strip Light Instruction Manual

Model: MALIIGAZA COB LED STRIP

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your MALIIGAZA 32.8FT COB LED Strip Light. Please read these instructions carefully before use and retain them for future reference.

The MALIIGAZA COB LED Strip Light is a flexible, high-brightness lighting solution featuring Chip-on-Board (COB) technology. It delivers uniform, dotless illumination with a high Color Rendering Index (CRI) of 90+, ensuring accurate color representation. This 24V strip is dimmable and designed for various indoor decorative lighting applications.

Image: Flexible COB LED Strip with key features.

SAFETY INFORMATION

- **Power Supply Requirement:** This LED strip operates on 24V DC.**DO NOT connect the LED strip directly to AC 110V or 220V (standard wall power socket).** An appropriate AC/DC transformer (power supply) is required and is NOT included with this product. Connecting directly to AC power will damage the strip and poses a safety risk.

- **Indoor Use Only:** This product is designed for indoor applications. Avoid exposure to moisture, water, or outdoor elements unless explicitly stated otherwise for a specific variant.

- **Voltage Compatibility:** Ensure your power supply and any controllers are compatible with the 24V DC requirement of this LED strip.

- **Installation by Qualified Personnel:** If you are unsure about electrical wiring, consult a qualified electrician.

- **Avoid Overheating:** Do not install the LED strip in enclosed spaces without adequate ventilation. Ensure proper heat dissipation to prolong the lifespan of the product.

- **Cutting Precautions:** Only cut the LED strip at designated cutting marks. Cutting elsewhere may damage the circuit and render sections of the strip inoperable.

WHAT'S IN THE BOX

Your package includes:

- 1 x 32.8FT COB LED Strip Light

Note: Power supply/adapter and controller are NOT included and must be purchased separately.

SPECIFICATIONS

Brand	MALIIGAZA
Model Number	MALIIGAZA COB LED STRIP
Length	32.8 feet (10 meters)
Voltage	24 Volts (DC)
Color Temperature	4000K (Natural White)
Color Rendering Index (CRI)	RA90+
LEDs per Meter	384 LEDs/meter
PCB Width	8mm
Wattage	50 watts
Luminous Flux	8000 Lumen
Lifespan	50,000+ hours
Material	Silicone Rubber
Indoor/Outdoor Usage	Indoor

Special Feature	Dotless lighting, Dimmable

Ra90 High Explicitness
Restores the Object's Authenticity

Ra>90 (R9=57, R15=89)

Ra<80 (R9=10, R15=80)

Ra>90 (R9=57, R15=89)

Ra<80 (R9=10, R15=80)

Image: High Color Rendering Index (CRI) Ra90+ for authentic color restoration.

SETUP AND INSTALLATION

Follow these steps for proper installation of your COB LED strip light:

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Remove any dust, oil, or moisture that could affect the adhesive.

2. **Measure and Cut (Optional):** The LED strip is flexible and can be cut to your desired length. Locate the designated cutting marks (approximately every 1.22 inches or 31mm) along the strip. Use sharp scissors to cut precisely at these marks. **Do not cut in other areas.**

Safe to use

Flexible & Bendable

Cuttable

3M

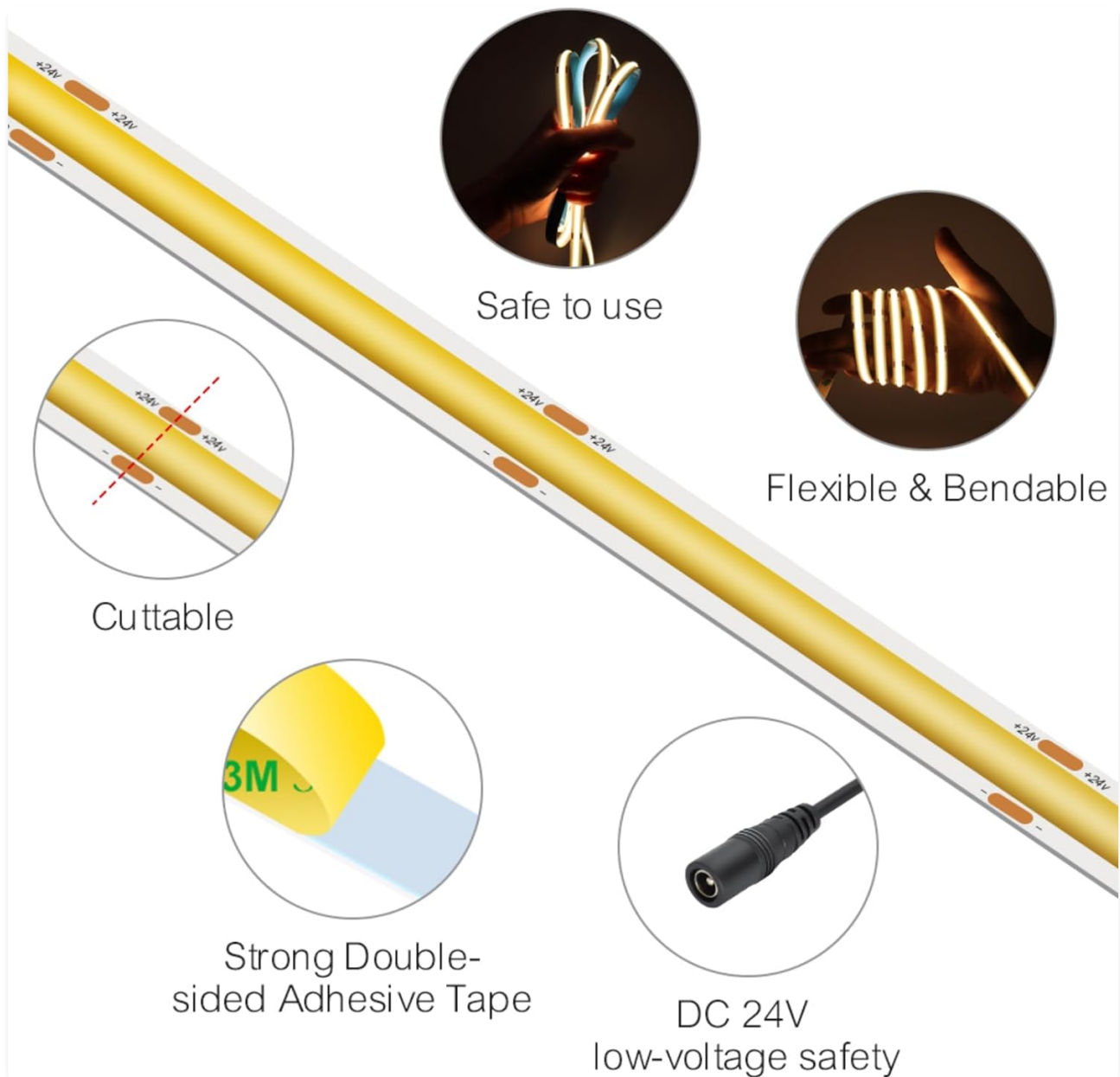Strong Double-sided Adhesive Tape

DC 24V low-voltage safety

Image: Features of the LED strip including cut points and adhesive.

3. **Apply the Strip:** Peel off the backing from the strong double-sided adhesive tape on the back of the LED strip. Carefully press the strip onto the prepared surface, ensuring firm contact along its entire length.

4. **Connect Power Supply and Controller:** The LED strip requires a 24V DC power supply (transformer) and optionally a controller for dimming or other functions. Connect the LED strip to the controller (if used), and then connect the controller to the 24V DC power supply. Finally, plug the power supply into a standard wall outlet.

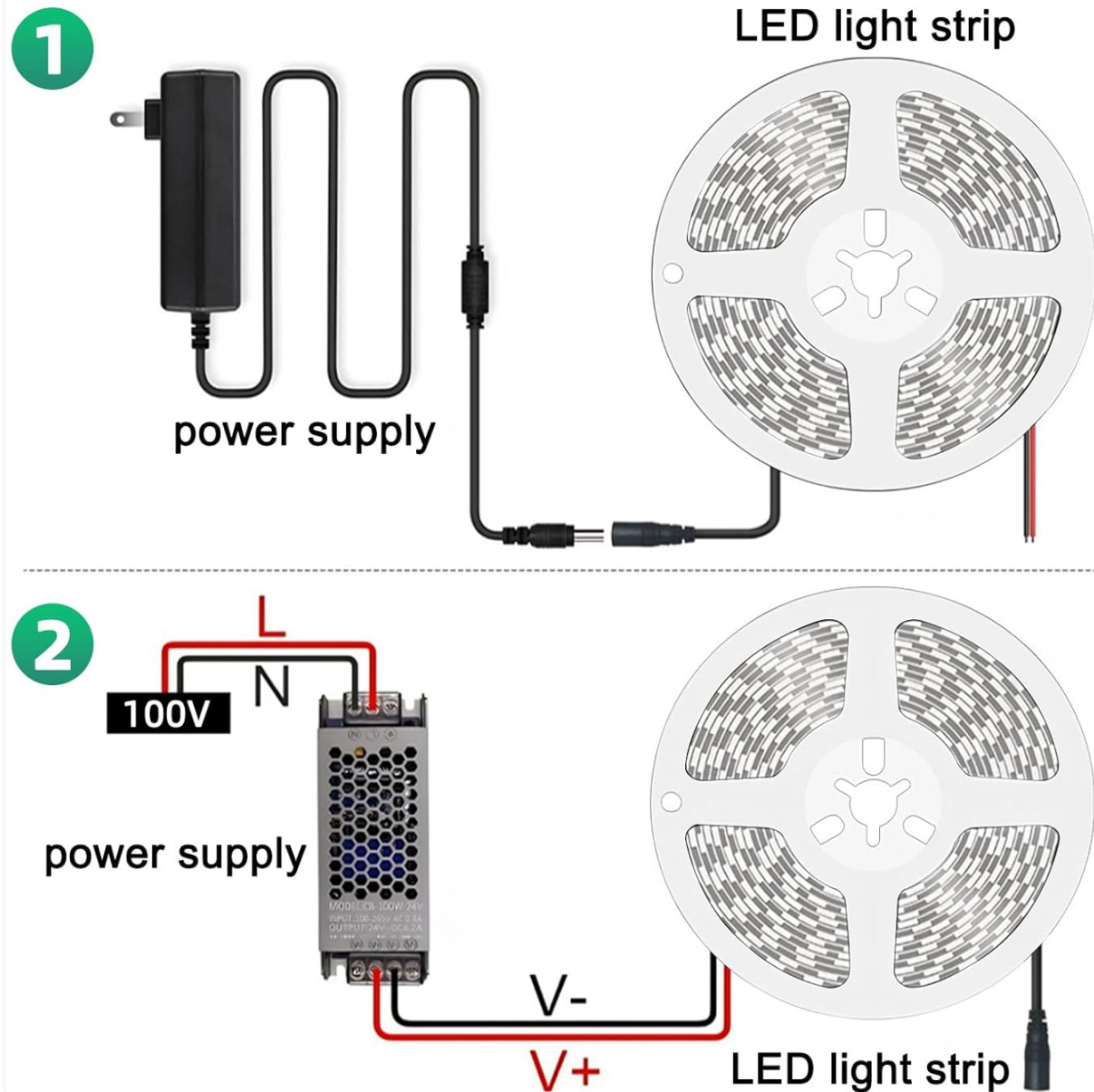# LED light strip installation diagram
(power supply sold separately)

1

LED light strip

power supply

2

L

N

100V

power supply

V-

V+

LED light strip

Image: LED light strip installation diagram showing correct and incorrect power connections.

Important: Ensure all connections are secure and polarity is correct (positive to positive, negative to negative). Refer to the diagram for proper wiring. Never connect the LED strip directly to 110V/220V AC power.

OPERATING INSTRUCTIONS

Once installed and connected to a compatible 24V DC power supply and controller (if applicable), your MALIIGAZA COB LED Strip Light is ready for operation.

- **Power On/Off:** Use the switch on your power supply or controller to turn the LED strip on or off.
- **Brightness Adjustment (Dimmable):** If using a dimmable power supply or controller, adjust the brightness level according to your preference. The COB LED strip supports smooth dimming from 100% down to low levels.

Brightness Adjustment

Adjust the brighness according to you different using requirements givethe light you want

100% 80% 60% 40% 20%

Image: Brightness adjustment levels from 100% to 20%.

- **Application:** The uniform and soft lighting is ideal for various indoor settings such as kitchen under-cabinet lighting, bedroom accent lighting, ceiling coves, stair lighting, mirror backlighting, and more.
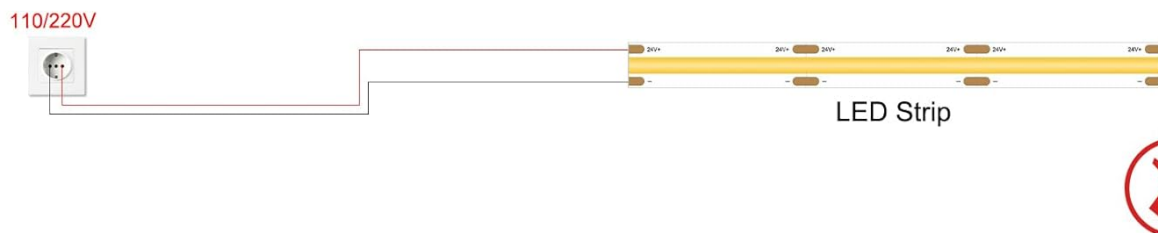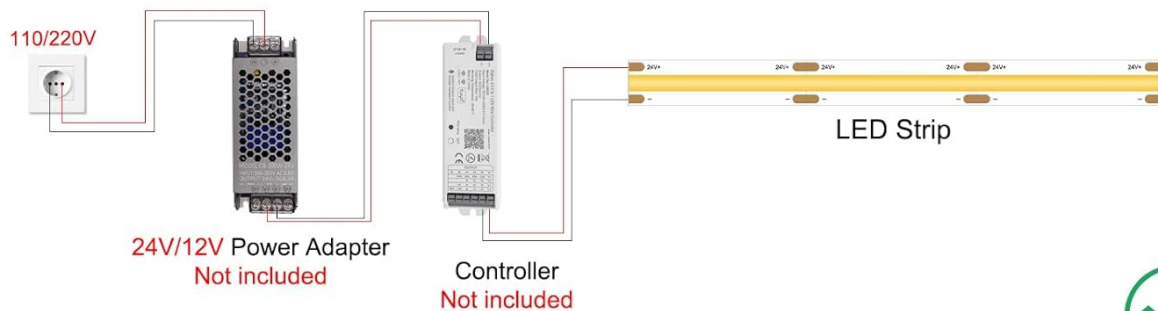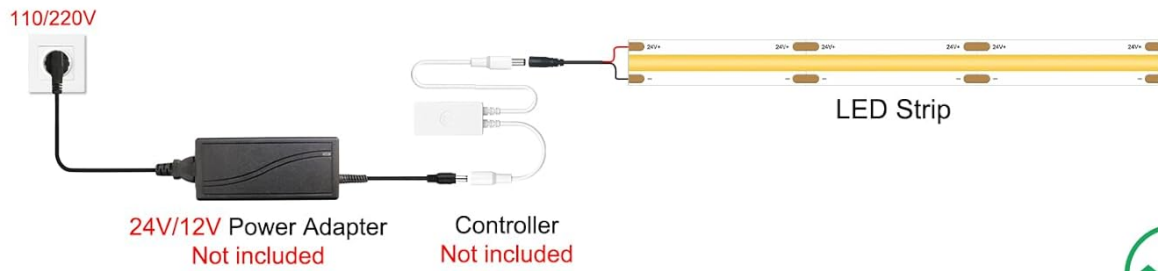
Connection Diagram

110/220V

24V/12V Power Adapter
Not included

Controller
Not included

LED Strip

✅

110/220V

24V/12V Power Adapter
Not included

Controller
Not included

LED Strip

✅

110/220V

LED Strip

❌

Image: Examples of wide application for the LED strip lights.

MAINTENANCE

The MALIIGAZA COB LED Strip Light requires minimal maintenance to ensure its longevity and performance.

- **Cleaning:** Gently wipe the surface of the LED strip with a soft, dry cloth to remove dust. For stubborn dirt, a slightly damp cloth can be used, but ensure the strip is completely dry before reconnecting power. Do not use harsh chemicals or abrasive cleaners.

- **Inspection:** Periodically check the strip for any signs of damage, such as cuts, cracks, or loose connections. Address any issues promptly to prevent further damage or safety hazards.

- **Avoid Physical Stress:** While flexible, avoid excessive bending, twisting, or pulling of the LED strip, especially at connection points, to prevent internal damage.

TROUBLESHOOTING

If you encounter issues with your MALIIGAZA COB LED Strip Light, refer to the following common problems and

solutions:

Problem	Possible Cause	Solution
LED strip does not light up	No power, incorrect connection, faulty power supply/controller, damaged strip.	Check if the power supply is plugged in and receiving power. Verify all connections (strip to controller, controller to power supply) are secure and correct polarity. Test the power supply with another device if possible. Inspect the strip for visible damage.
Lights are dim or flickering	Insufficient power, loose connection, faulty dimmer/controller, voltage drop.	Ensure the power supply wattage is sufficient for the strip's length. Check all connections for looseness. If using a dimmer, ensure it is compatible and functioning correctly. While this strip is designed for minimal voltage drop over 32.8ft, ensure the power supply is adequately rated.
Only part of the strip lights up	Damage to a section, incorrect cutting.	Inspect the unlit section for physical damage or improper cuts. If a section was cut incorrectly, it may be permanently damaged.
Adhesive not holding	Surface not clean/dry, improper application, unsuitable surface material.	Ensure the surface is thoroughly cleaned and dried before application. Apply firm pressure along the strip during installation. For rough or porous surfaces, consider using additional mounting clips or stronger adhesive.

WARRANTY AND SUPPORT

MALIIGAZA products are manufactured to high-quality standards. For specific warranty details, please refer to the product packaging or the retailer's website where the product was purchased. In most cases, a standard manufacturer's warranty covers defects in materials and workmanship under normal use.

If you experience any issues or have questions regarding your MALIIGAZA COB LED Strip Light, please contact MALIIGAZA customer support through the retailer's platform or the official MALIIGAZA website. Please have your purchase information and product model number ready when contacting support.