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› MALIIGAZA 24V Golden Yellow COB LED Strip Instruction Manual

MALIIGAZA MALIGAZA COB LED STRIP

24V Golden Yellow COB LED Strip User Manual

Model: MALIGAZA COB LED STRIP

Brand: MALIIGAZA

INTRODUCTION

Thank you for choosing the MALIIGAZA 24V Golden Yellow COB LED Strip. This product is designed to provide super bright, soft, and uniform lighting for various indoor decorative applications. Its high-density LED chips ensure no dark areas or lighting spots, offering a superior lighting experience compared to traditional SMD LED strips. This manual provides essential information for safe installation, operation, and maintenance of your LED strip.

SAFETY INFORMATION

- The COB LED strip operates at a low voltage of DC 24V. **DO NOT connect the LED strip directly to AC 110V (power socket) without an appropriate AC/DC transformer (power supply).** Doing so will damage the strip and poses a safety hazard.
- Ensure the power supply used matches the voltage requirements (24V DC) and has sufficient wattage for the length of the strip being installed.
- Installation surface must be smooth, clean, and dry for proper adhesion.
- Avoid bending or folding the strip sharply at angles less than 90 degrees to prevent damage to the internal components.
- Do not crush or apply excessive pressure to the LED strip.
- This product is designed for indoor use only and is not water resistant. Avoid exposure to moisture or wet environments.

WHAT'S IN THE BOX

- 16.4FT COB LED STRIP x 1
- DC Female connector x 1



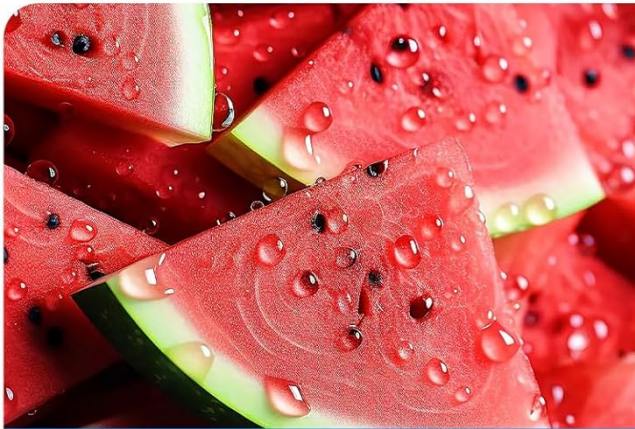
Image: The product packaging showing the rolled COB LED strip and the included DC female connector.

SPECIFICATIONS

Feature	Description
Brand	MALIIGAZA
Model Number	MALIGAZA COB LED STRIP
Color	Golden Yellow (2000K)
LEDs per Meter	480
Length	16.4 feet (5 meters)
PCB Width	8mm
Voltage	24 Volts (DC)
Wattage	50 watts
Luminous Flux	5000 Lumen
CRI	>90
Material	Silicone Rubber
Lifespan	50,000+ hours
Water Resistance Level	Not Water Resistant
Control Method	App (requires compatible controller, not included)

Note: Power supply and controller are not included and must be purchased separately.

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)



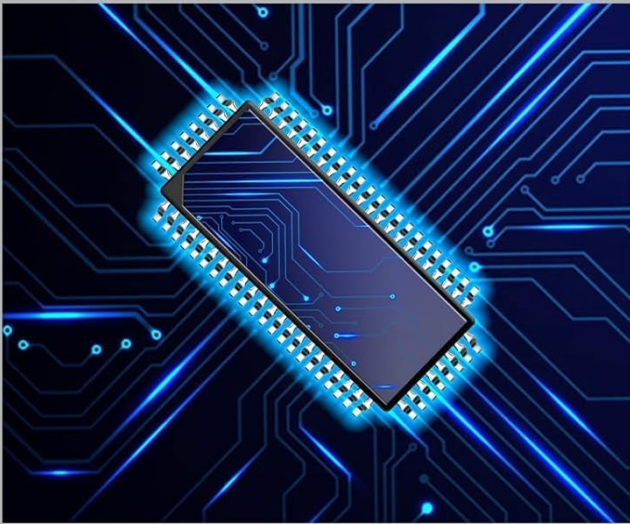
Ra<80 (R9=10, R15=80)

Image: Visual comparison demonstrating the superior color rendering (CRI > 90) of the MALIGAZA COB LED strip, which accurately restores object colors.

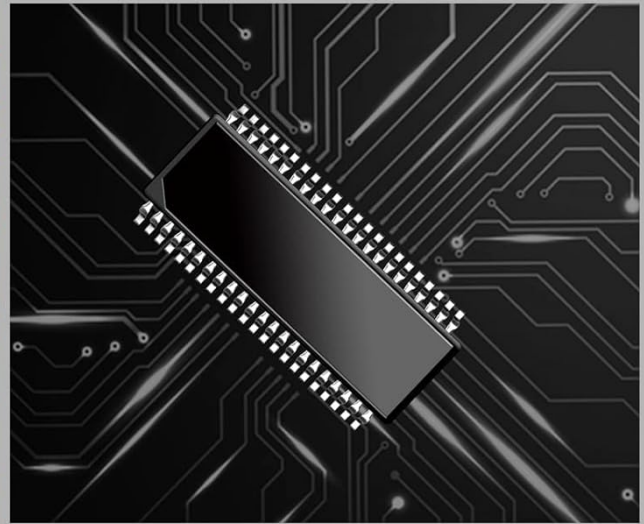
SETUP

1. Power Supply Connection

The COB LED strip requires a 24V DC power supply (not included). Ensure the power supply's wattage is sufficient for the total length of the strip you are installing. Connect the DC female connector (included) to the LED strip, then connect the power supply to the DC female connector. If using a controller (not included), connect it between the power supply and the LED strip.



LED Chip Size 9*22 mil
MALIGAZA COB LED Strip Light



LED Chip Size 6*20 mil
Some other COB LED Strip Light

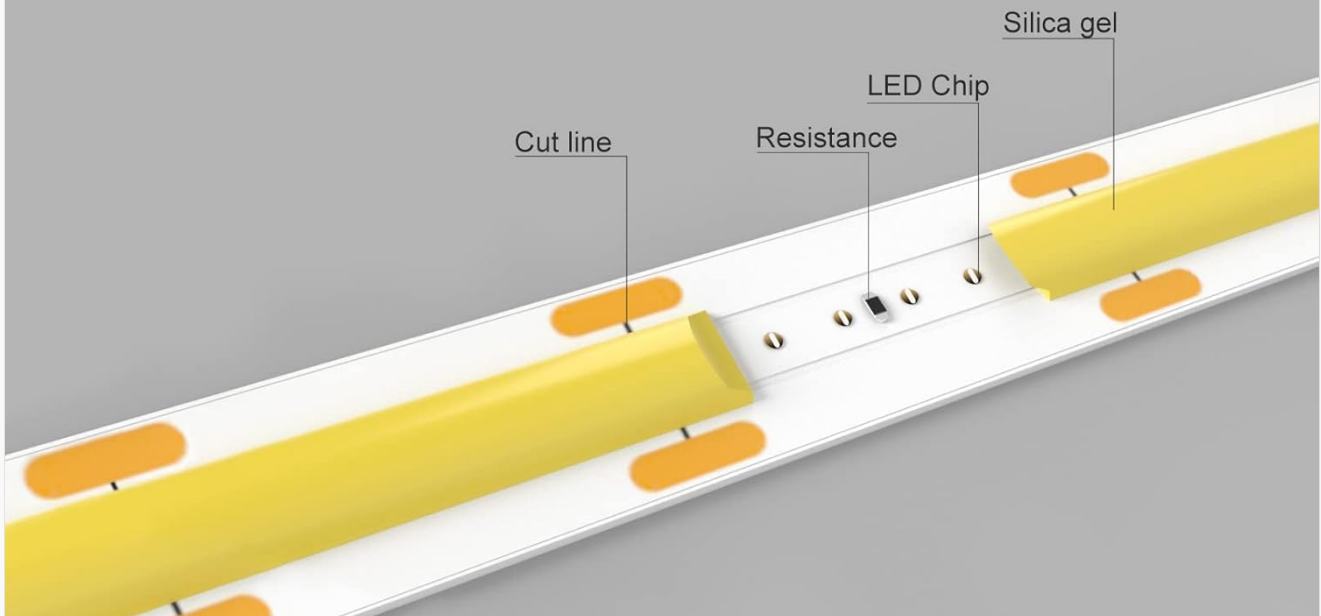


Image: Connection diagrams illustrating proper setup with a power adapter and optional controller, and an example of an incorrect direct AC connection.

2. Cutting and Flexibility

The COB LED strip is highly flexible and can be bent or folded to fit various shapes. It is also cuttable at designated cut lines, typically every 1.97 inches (50mm). Use sharp scissors to cut along these lines to achieve your desired length. Avoid cutting in between the designated marks to prevent damaging the circuit.

Connection Diagram

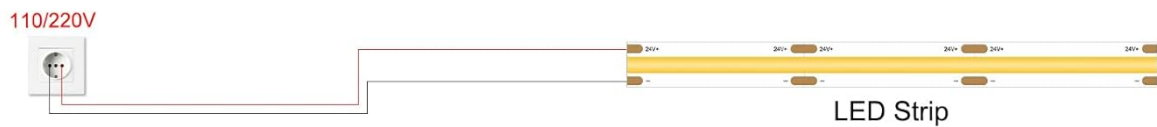
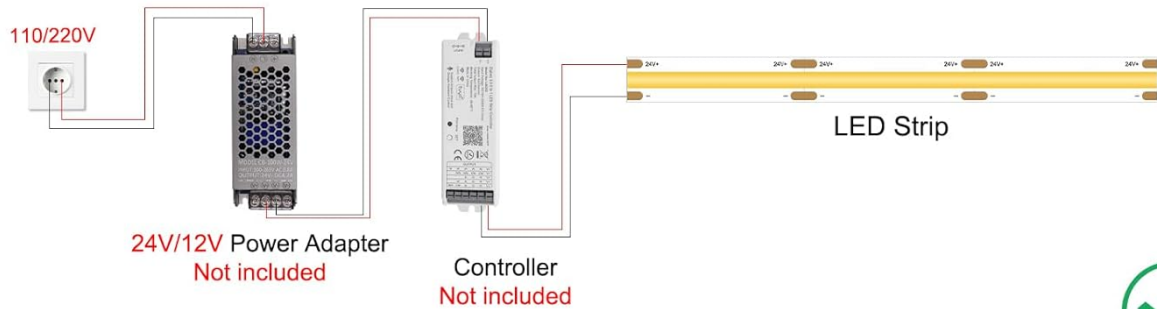
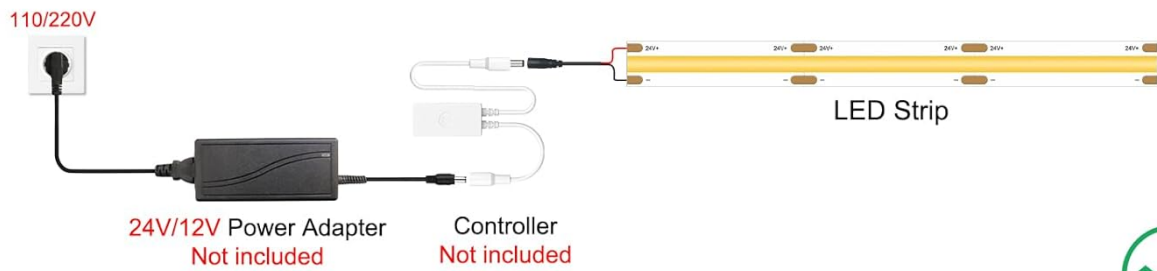


Image: Illustration of the LED strip's flexibility, cut points, and the strong double-sided adhesive backing.

3. Mounting

The back of the COB LED strip features strong 3M adhesive tape for easy installation. Peel off the protective backing and firmly press the strip onto a clean, smooth, and dry surface. Ensure the surface is free of dust, grease, or moisture for optimal adhesion.

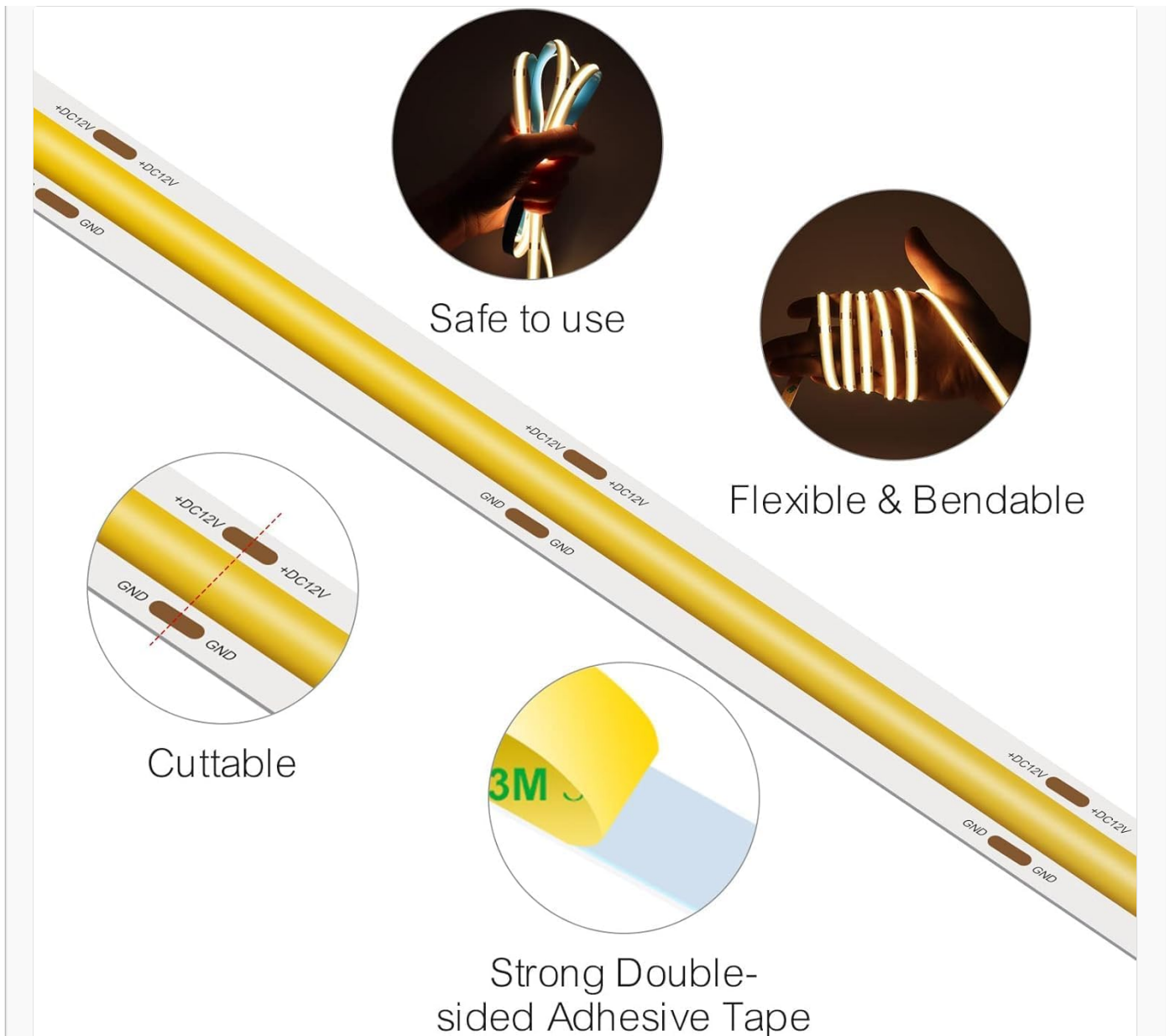


Image: Detail of the 3M adhesive tape on the back of the COB LED strip, ready for installation.

OPERATING

Once properly installed and connected to a compatible 24V DC power supply, your MALIIGAZA COB LED strip will illuminate. This Golden Yellow strip provides a warm, amber light at 2000K. The strip is dimmable, allowing you to adjust the brightness if connected to a compatible dimmer or controller (not included).



Image: Examples of different color temperatures and hues available for MALIIGAZA COB LED strips, demonstrating the range of lighting options.

Applications

The MALIIGAZA COB LED strip is versatile and suitable for a wide range of indoor decoration lighting. Common applications include:

- Kitchen cabinet lighting
- Bedroom accent lighting
- Ceiling cove lighting
- Stair lighting
- Mirror backlighting
- Wall backlighting
- Car interior lighting



Image: Examples of the COB LED strip used in different home environments, such as bedrooms, kitchens, and living areas, showcasing its versatility.

Product Demonstration Video

Your browser does not support the video tag.

Video: This video demonstrates the durability and flexibility of the MALIIGAZA COB LED strip through various tests, showcasing its robust design and consistent illumination even under stress.

MAINTENANCE

The MALIIGAZA COB LED strip requires minimal maintenance. To ensure longevity and optimal performance:

- Keep the strip clean by gently wiping it with a dry, soft cloth. Avoid using abrasive cleaners or solvents.
- Ensure the strip is not exposed to excessive heat or direct sunlight for prolonged periods, as this can affect its lifespan.
- Periodically check the adhesive to ensure it remains securely attached to the surface.

TROUBLESHOOTING

Strip Not Lighting Up

- **Check Power Connection:** Ensure the power supply is correctly connected to the DC female connector and the connector is securely attached to the LED strip. Verify the power supply is plugged into a working outlet.
- **Verify Voltage:** Confirm that your power supply is 24V DC. Using an incorrect voltage (e.g., 12V or 110V AC directly) will prevent the strip from working or damage it.
- **Inspect Cut Lines:** If the strip was cut, ensure the cut was made precisely along the designated cut line. Improper cuts can break the circuit.
- **Check for Damage:** Inspect the strip for any visible damage, such as severe bends, cuts outside the designated marks, or exposed wires.

Flickering or Uneven Light

- **Power Supply Capacity:** Ensure your power supply has sufficient wattage for the length of the LED strip. An underpowered supply can cause flickering or dimming.
- **Loose Connections:** Check all connections (power supply to connector, connector to strip) for looseness.
- **Controller Issues:** If using a dimmer or controller, ensure it is compatible with 24V DC LED strips and is functioning correctly.

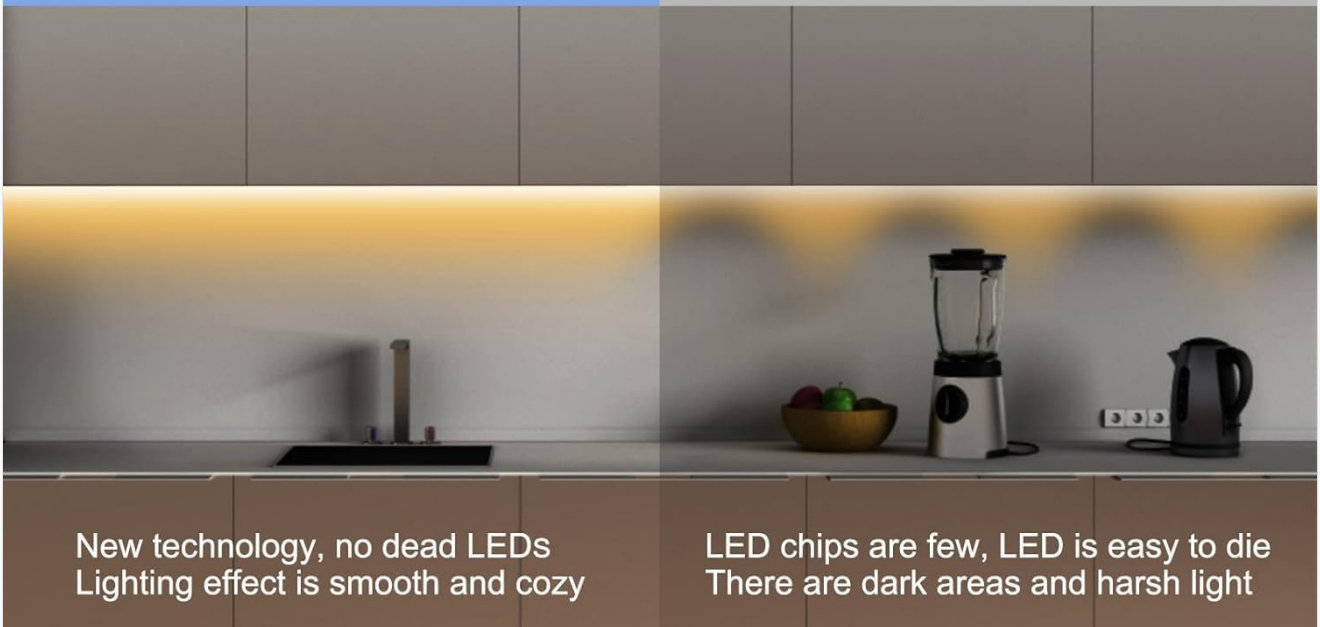
COB LED Strip



SMD LED Strip



VS



New technology, no dead LEDs
Lighting effect is smooth and cozy

LED chips are few, LED is easy to die
There are dark areas and harsh light

Image: A visual comparison highlighting the uniform and dotless illumination of COB LED strips versus the visible individual LED points and potential dark spots found in SMD LED strips.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact MALIGAZA customer service directly through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase for any warranty claims.