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› [MALIGAZA](#) /

› MALIGAZA 12V Gold COB LED Strip Light User Manual

## MALIGAZA MALIGAZA COB LED STRIP

# MALIGAZA 12V Gold COB LED Strip Light User Manual

Model: MALIGAZA COB LED STRIP

## 1. INTRODUCTION

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The MALIGAZA 12V Gold COB LED Strip Light is a high-density, self-adhesive lighting solution designed for various indoor decorative applications. Featuring 480 LEDs per meter, it provides super bright, soft, and uniform illumination without visible light spots. This flexible and cuttable LED strip operates at a safe low voltage, making it ideal for enhancing the ambiance of kitchens, bedrooms, ceilings, stairs, and more.

### Key Features:

- **Super Bright & Uniform Lighting:** 480 LEDs/meter for high-density, dotless illumination.
- **Soft & Consistent Light:** No dark areas or lighting spots, providing a smooth and beautiful light output.
- **Safe & Easy Application:** Operates at DC 12V, with strong 3M adhesive for simple installation.
- **Flexible & Cuttable:** Can be bent, folded, and cut every 1.97 inches (50mm) for custom lengths.
- **Energy Efficient & Dimmable:** High luminous efficacy with a lifespan of over 50,000 hours.

### What's in the Box:

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

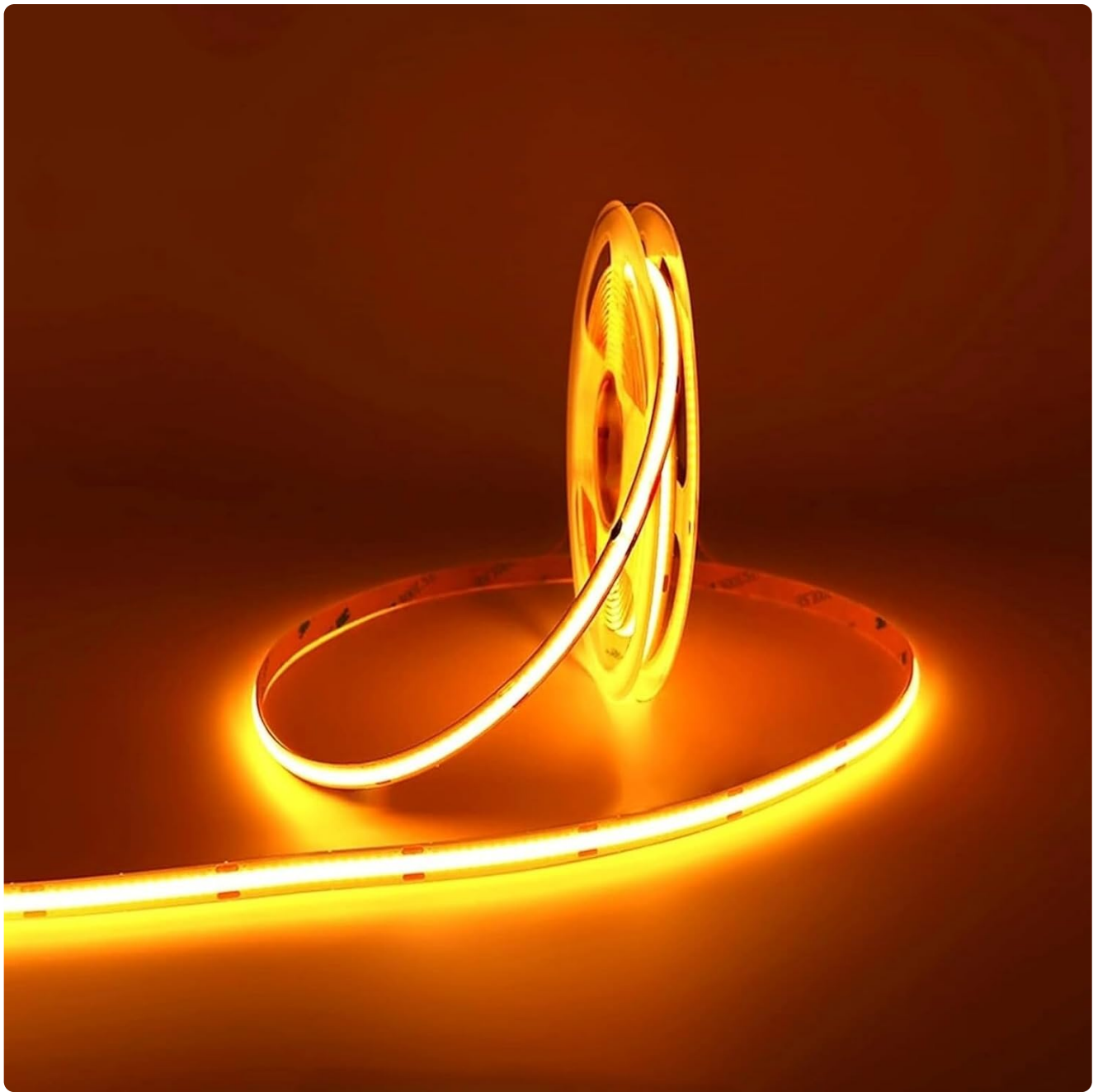


Image 1.1: MALIIGAZA 12V Gold COB LED Strip Light, coiled and illuminated.



Image 1.2: Visual comparison highlighting the smooth, dotless illumination of COB LED strips versus the visible dots of traditional SMD LED strips.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Power Supply:** This LED strip operates on DC 12V. **DO NOT connect the LED strip directly to AC 110V (power socket) without an appropriate AC/DC transformer (power supply). The transformer is NOT included.** Using the incorrect voltage will damage the strip and may pose a fire hazard.
- **Indoor Use Only:** This product is designed for indoor use and is not water resistant. Avoid exposure to moisture or outdoor elements.
- **Heat Generation:** While efficient, the LED strip can generate a fair amount of heat during prolonged operation. Ensure adequate ventilation and avoid covering the strip with materials that could trap heat. Do not hold the illuminated strip for extended periods.
- **Installation Surface:** Ensure the installation surface is clean, dry, and smooth to ensure proper adhesion and

heat dissipation.

- **Cutting:** Only cut the LED strip at designated cut marks to avoid damaging the circuit.
- **Children and Pets:** Keep the product out of reach of children and pets.

### 3. SETUP AND INSTALLATION

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Follow these steps for proper installation of your MALIIGAZA COB LED Strip Light:

1. **Prepare the Surface:** Clean the desired installation surface thoroughly. Ensure it is dry, smooth, and free of dust or grease.
2. **Measure and Cut (if necessary):** Measure the length required for your installation. The COB LED strip is cuttable every 1.97 inches (50mm) at designated cut marks. Use sharp scissors to make clean cuts.
3. **Apply Adhesive:** The strip features strong 3M adhesive tape on its back. Carefully peel off the protective backing from the adhesive.
4. **Attach the Strip:** Press the LED strip firmly onto the prepared surface, ensuring even contact along its entire length. The strip is highly flexible and can be bent or folded to fit various shapes and corners.
5. **Connect Power:** Connect the DC female connector (included) to the LED strip. Then, connect the DC female connector to a compatible 12V DC power supply (not included). Ensure the polarity is correct.
6. **Test:** Plug in the power supply to a standard AC outlet to test the LED strip.

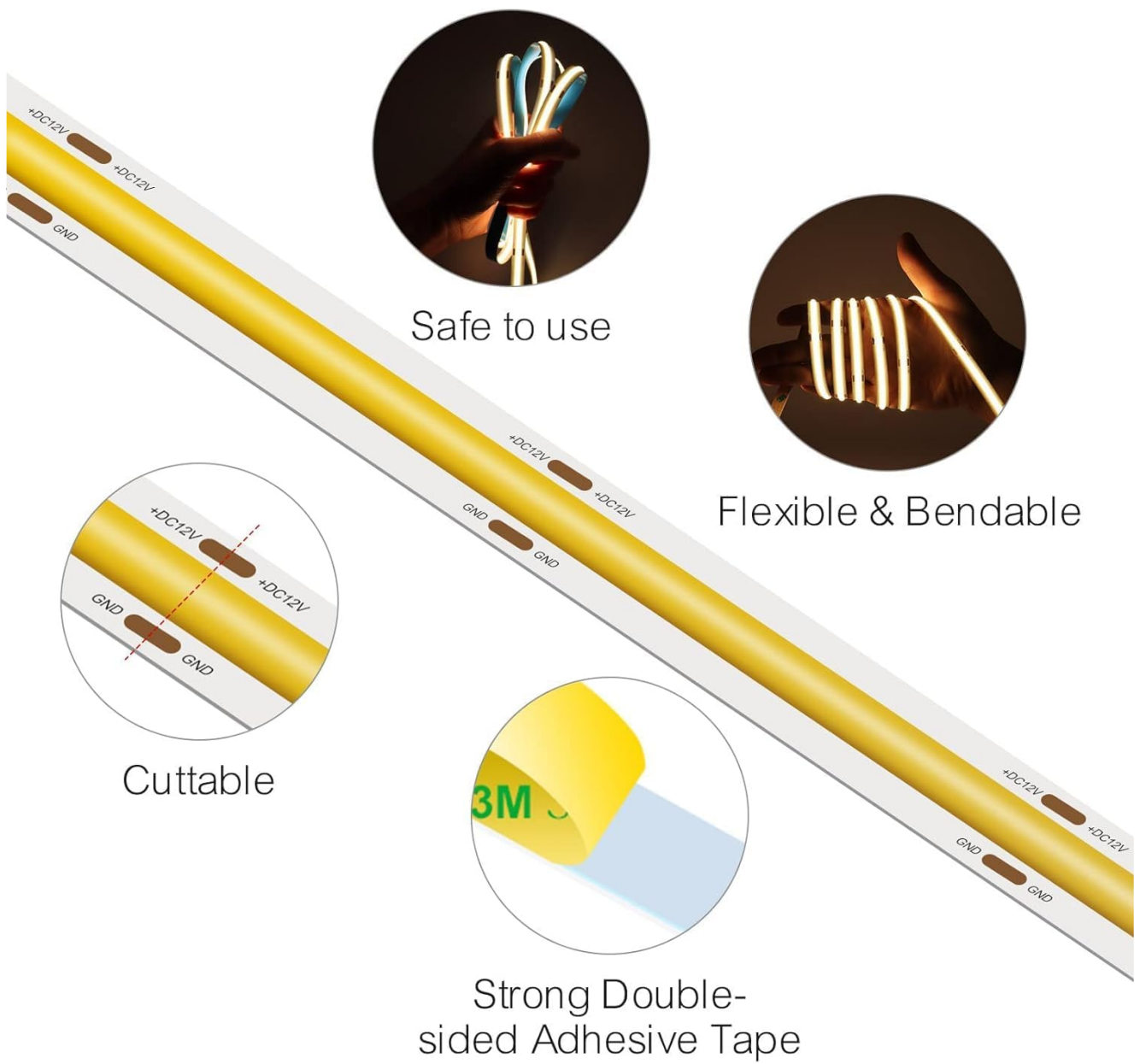


Image 3.1: Demonstrates the flexibility, cuttable points, and strong adhesive backing of the COB LED strip.

## Connection Diagram

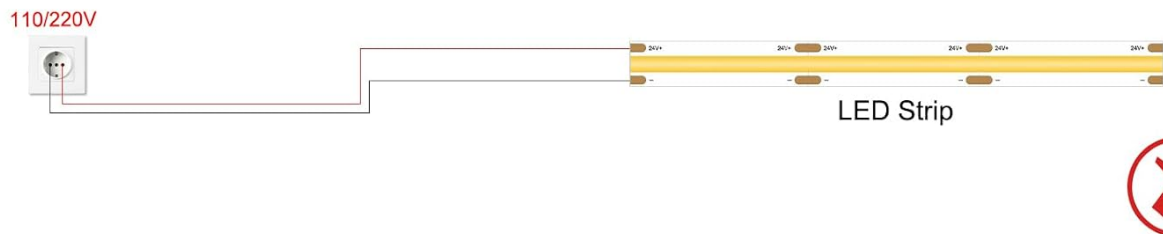
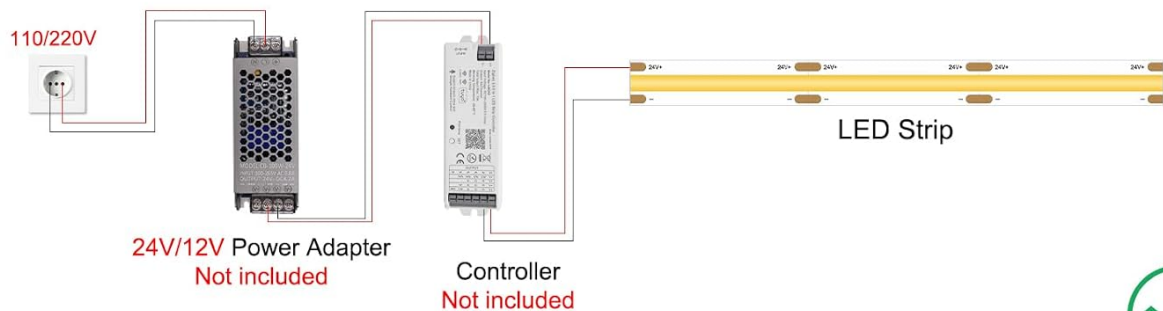
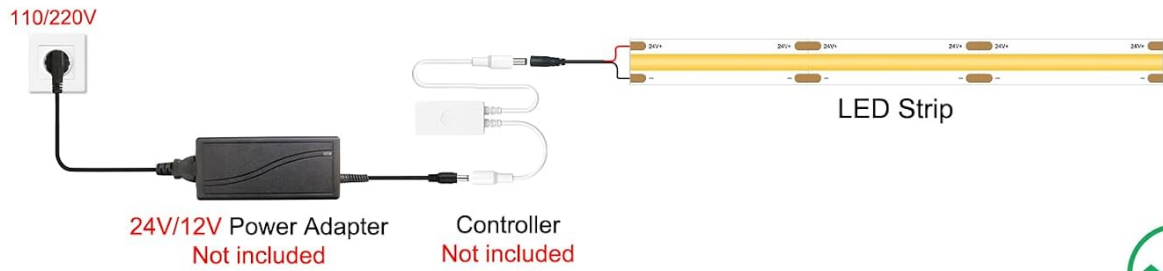


Image 3.2: Illustrates correct and incorrect methods for connecting the LED strip to a power supply. Always use a 12V/24V power adapter; never connect directly to 110V/220V AC.

Video 3.1: A quality test video demonstrating the extreme flexibility and durability of the MALIIGAZA COB LED strip, showing it can be bent and twisted without damage.

## 4. OPERATING INSTRUCTIONS

Once installed and powered, the MALIIGAZA COB LED Strip Light provides consistent and vibrant illumination.

- **Power On/Off:** The LED strip will illuminate once connected to a compatible 12V DC power supply and the power supply is plugged into an AC outlet. To turn off, simply unplug the power supply or use an inline switch if one is integrated with your power supply or controller.
- **Dimmability:** This COB LED strip is dimmable. To adjust brightness, you will need a compatible 12V DC dimmer (not included) installed between the power supply and the LED strip.
- **Applications:** The golden yellow amber color (2200K) is ideal for creating a warm and inviting atmosphere. It is suitable for various indoor decoration lighting scenarios, including under-cabinet lighting in kitchens, accent lighting in bedrooms, ceiling coves, stair lighting, mirror backlighting, and car interior lighting.

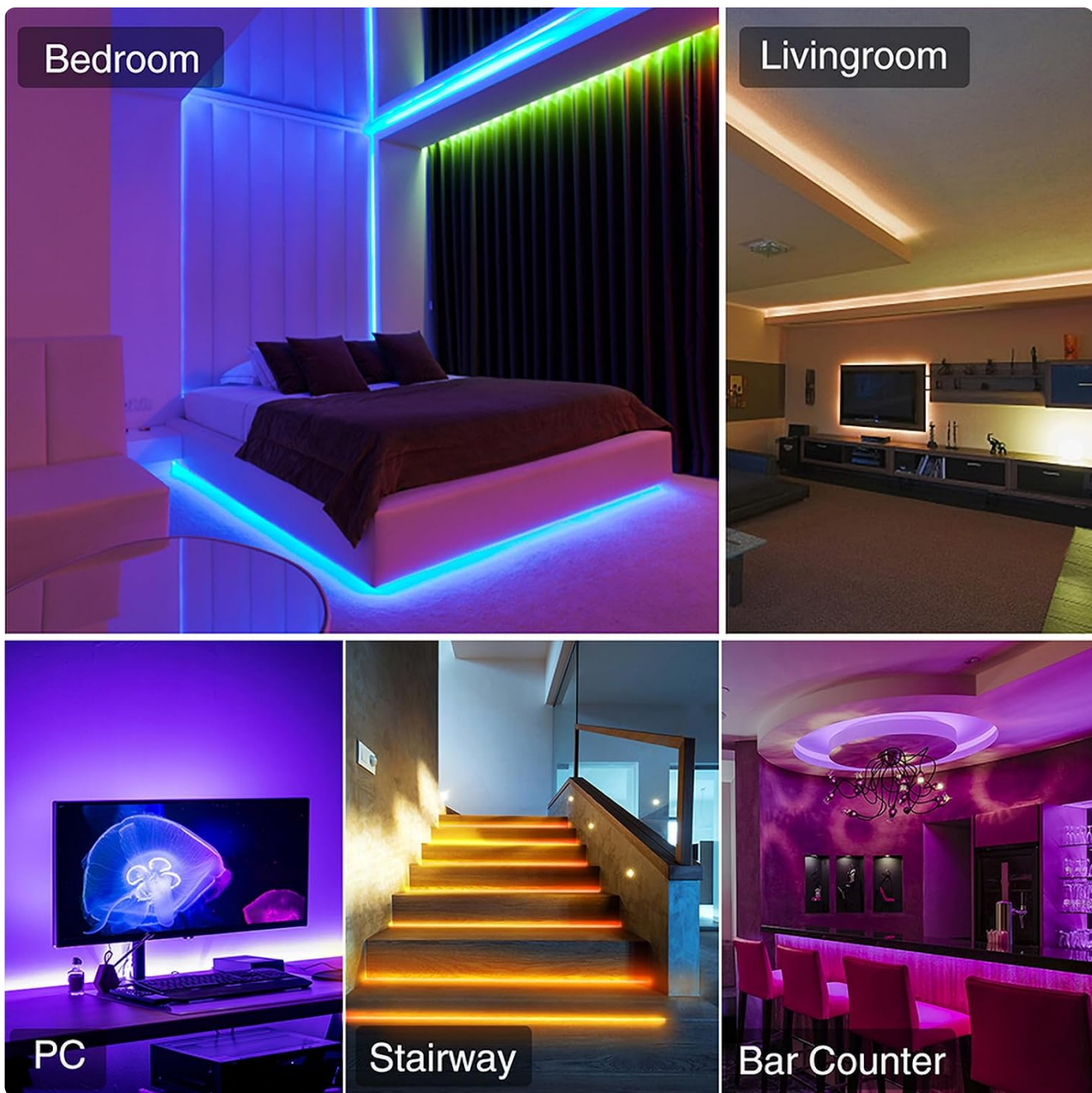


Image 4.1: Various indoor applications of COB LED strip lights, including bedroom, living room, PC setup, stairway, and bar counter lighting.



Image 4.2: Displays a range of available colors and color temperatures for MALIIGAZA COB LED strips, including Cold White, Natural White, Warm White, Golden Yellow, Red, Pink, Green, Cold Blue, and Blue.

## 5. MAINTENANCE

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The MALIIGAZA COB LED Strip Light is designed for durability and minimal maintenance.

- **Cleaning:** To clean the LED strip, ensure it is powered off and unplugged. Gently wipe the surface with a soft, dry cloth. Do not use abrasive cleaners or excessive moisture.
- **Lifespan:** The product has an impressive average lifespan of over 50,000 hours, ensuring long-term performance under normal operating conditions.
- **Durability:** The COB technology and silicone rubber material contribute to the strip's robust and flexible nature, making it resistant to minor physical stresses.

## 6. TROUBLESHOOTING

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If you encounter issues with your LED strip, refer to the following common problems and solutions:

- **LED Strip Does Not Light Up:**
  - Check if the power supply is properly plugged into a working AC outlet.
  - Verify that the DC female connector is securely attached to both the LED strip and the power supply, ensuring correct polarity.
  - Ensure you are using a 12V DC power supply. Connecting directly to AC 110V/220V without a transformer will damage the strip.
  - Inspect the LED strip for any visible damage or cuts outside the designated cut marks.
- **LED Strip is Dim or Flickering:**
  - Ensure your power supply has sufficient wattage for the length of the LED strip. An underpowered supply can cause dimness.
  - If using a dimmer, ensure it is compatible with 12V DC LED strips and is functioning correctly.
  - Check for loose connections between the strip, connector, and power supply.
- **Portion of the LED Strip is Not Lighting Up:**
  - This may indicate damage to that specific section. If the strip was cut, ensure the cut was made precisely at the designated mark.
  - Check for any physical damage or severe bends in the non-illuminated section.

If these steps do not resolve the issue, please contact MALIIGAZA customer support for further assistance.

## 7. SPECIFICATIONS

| Feature                     | Specification          |
|-----------------------------|------------------------|
| Brand                       | MALIIGAZA              |
| Model Number                | MALIGAZA COB LED STRIP |
| Color                       | Golden Yellow          |
| Color Temperature           | 2200 Kelvin            |
| Light Source Type           | LED (COB)              |
| LEDs per Meter              | 480                    |
| Voltage                     | 12 Volts (DC)          |
| Wattage                     | 50 watts               |
| Luminous Flux               | 5500 Lumen             |
| CRI (Color Rendering Index) | 90+                    |
| Material                    | Silicone Rubber        |
| Length                      | 16.4 Feet (5 Meters)   |

| Feature                        | Specification             |
|--------------------------------|---------------------------|
| PCB Width                      | 8mm                       |
| Cuttable Interval              | 1.97 inches (50mm)        |
| Indoor/Outdoor Usage           | Indoor                    |
| Water Resistance Level         | Not Water Resistant       |
| Average Life                   | 50,000 Hours              |
| Item Weight                    | 3.52 ounces               |
| Product Dimensions (L x W x H) | 196.8 x 0.31 x 0.1 inches |

# Ra90 High Explicitness Restores the Object's Authenticity

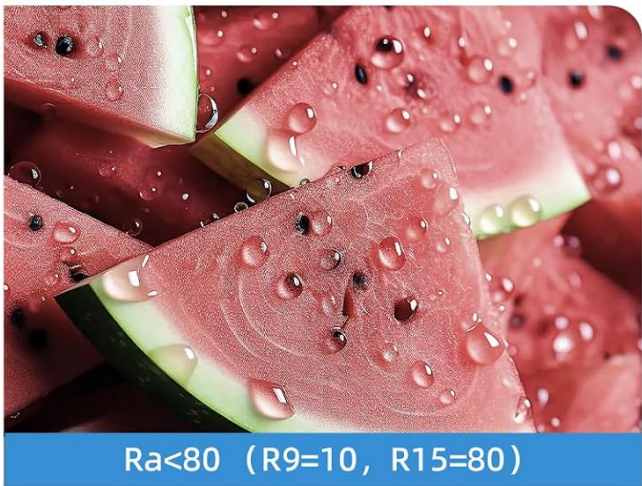
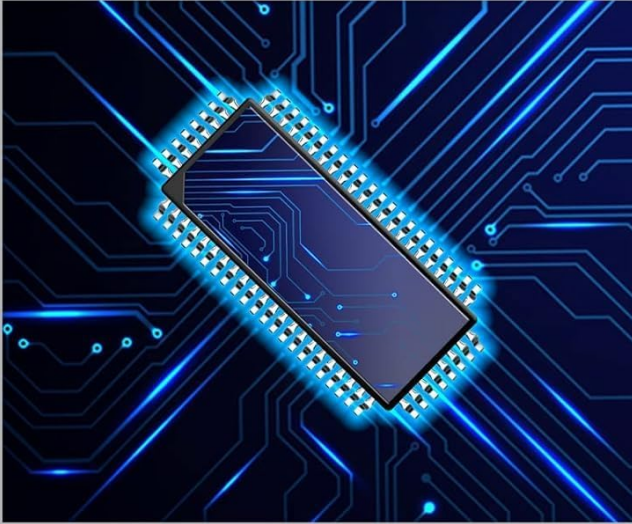
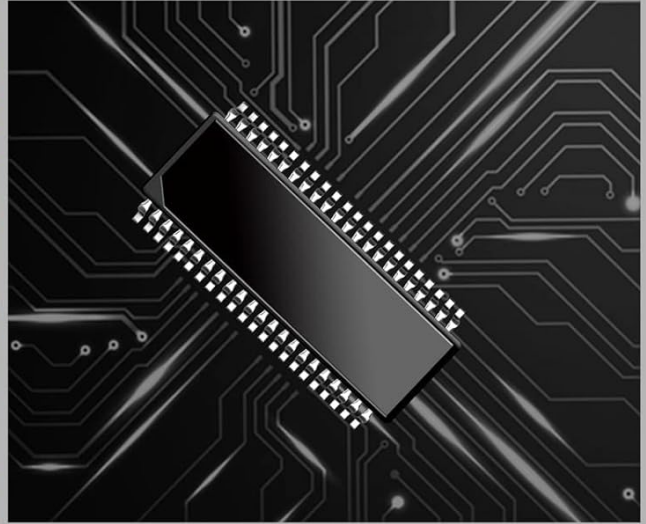


Image 7.1: Demonstrates the high Color Rendering Index (CRI) of Ra90+, which ensures objects appear with their true and authentic colors under the light.



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



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

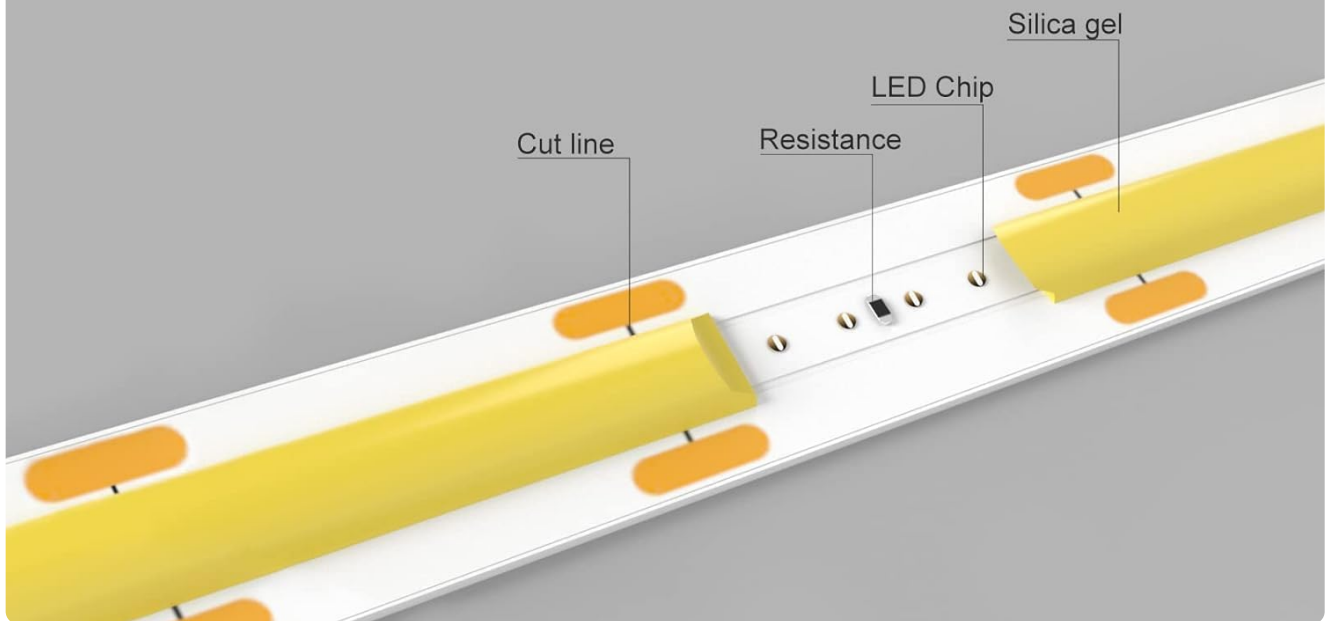


Image 7.2: Detailed view of the LED chip size (9\*22 mil) used in MALIGAZA COB LED strips and the clear cut lines for customization.

## 8. WARRANTY AND SUPPORT

MALIIGAZA is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this manual, for any product inquiries, technical support, or warranty claims, please contact MALIIGAZA customer service through the retailer where you purchased the product or visit the official MALIIGAZA store page.

We value your feedback and are here to assist you with any questions or concerns regarding your COB LED Strip Light.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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