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› PAUTIX COB LED Strip Lights 48ft/15m, Warm White 2700K (Model: B09B78F9F6) - Instruction Manual

PAUTIX B09B78F9F6

PAUTIX COB LED Strip Lights 48ft/15m, Warm White 2700K

MODEL: B09B78F9F6

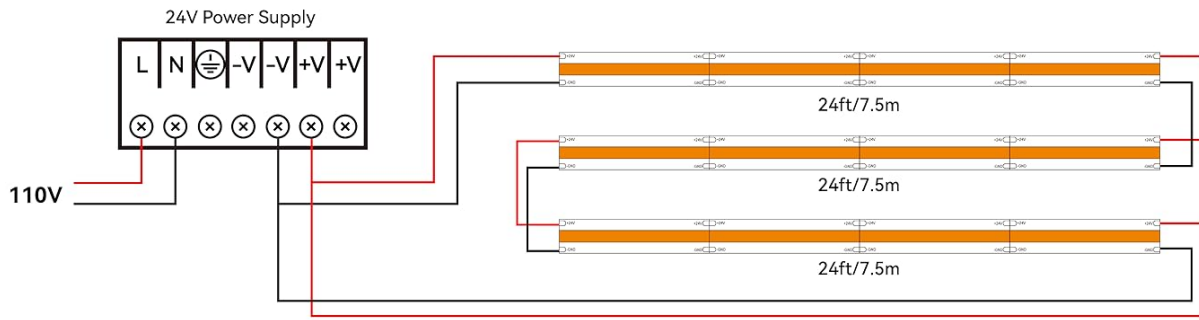
Brand: PAUTIX

1. Introduction

Thank you for choosing PAUTIX COB LED Strip Lights. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new LED strip lights. These 48ft/15m COB LED strips feature 504 LEDs/m, providing super bright, warm white 2700K illumination with a high Color Rendering Index (CRI) of 90+. Designed for DC24V systems, they are ideal for cabinet lighting, home DIY projects, and various other applications. Please read this manual thoroughly before use and retain it for future reference.

2. Product Features

- **Ultra Bright & Longer Length:** Features 7560 LEDs (2 x 3780 LEDs) across 48ft (2 x 24ft) with 504 LEDs/m, ensuring super even and continuous lighting.
- **COB Technology Advantages:** Offers lower power consumption, higher light efficiency, and a superior color rendering index (CRI 90+). The 180-degree beam angle provides 50% wider lighting and uniform illumination without dark spots.
- **Eye-Safe & Durable:** Produces soft, uniform light that is safer for eyes. Constructed with a real double-layer PCB board for excellent heat dissipation, making it safe to touch. The service life exceeds 65,000 hours.
- **Versatile Applications:** High CRI (90+) ensures rich and accurate colors, suitable for high-end business clubs, jewelry displays, cabinet lighting, makeup tables, closets, bookshelves, wine shelves, and TV backlighting.
- **Easy Installation & DIY:** Equipped with authentic stronger 3M adhesive for reliable installation. The strip can be cut every 41.5mm/1.63 inches, allowing for custom lengths and DIY projects.



Note: This connection method is only suitable for situations where there is no dimmer and ensure that the 24V power supply has enough power.

Image: No Flicker Technology for Eye Protection

DIMMABLE

Can be dimmed/brightened with dimmer(Dimmer sold separately)

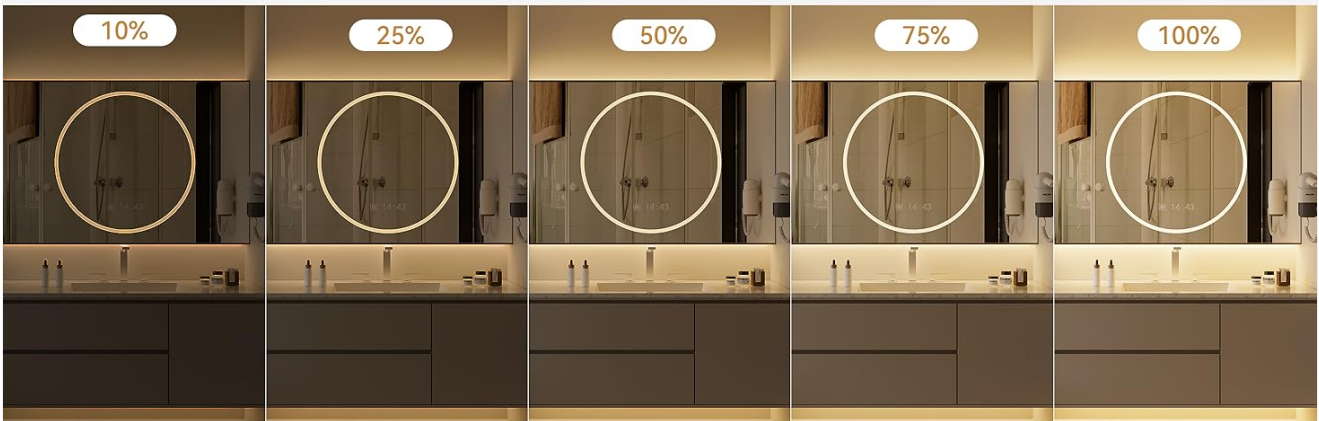


Image: Double Layer PCB for Enhanced Durability and Heat Dissipation



Image: UL Certification for Quality Assurance

3. Safety Information

Please observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power supply is disconnected before installation or maintenance.
- Use only a DC24V power supply compatible with the wattage requirements of the strip lights. (Power supply not included).
- Do not bend the LED strip sharply or at angles less than 90 degrees to avoid damaging the circuit board.
- Avoid exposing the strip lights to direct water or high humidity, as they are not water-resistant.
- Do not cover the LED strip with materials that could impede heat dissipation.
- Keep out of reach of children and pets during installation and operation.
- If any damage occurs, discontinue use immediately and contact support.

4. Package Contents

The PAUTIX COB LED Strip Lights package includes:

- 1 x PAUTIX COB LED Strip Light (48ft/15m)
- 2 x COB Connectors

Note: A DC24V power supply and controller/dimmer are **NOT** included and must be purchased separately.

5. Setup and Installation

Follow these steps for proper installation:

1. **Preparation:** Ensure the installation surface is clean, dry, and smooth. Wipe the surface thoroughly to remove dust or grease.
2. **Measure and Cut:** Measure the desired length for your installation. The LED strip can be cut at designated cutting marks, which are approximately every 41.5mm (1.63 inches). Use sharp scissors to ensure a clean cut.



Image: Cutting the LED Strip at Marked Intervals

3. **Adhesion:** Peel off the protective backing from the 3M adhesive tape on the back of the LED strip. Carefully press the strip onto the prepared surface, applying firm and even pressure along its entire length.

EASY TO INSTALL

Cut & DIY according to your needs



Image: Easy Installation Steps

4. **Connection:** Connect the COB LED strip to a compatible DC24V power supply. If using multiple strips or a dimmer/controller, ensure all connections are secure and polarity is correct (+ to + and - to -). The included COB connectors can be used for seamless connections.

Recommended Power Supply

Sold separately



Image: Wiring Diagram for Multiple Strips (No Dimmer)

Recommended Controller/Dimmer

Sold separately



Image: Alternative Wiring Diagram

- Power On:** Once all connections are secure, connect the power supply to an electrical outlet. The LED strip lights should illuminate.

Recommended Accessories (Sold Separately):



Image: Recommended Power Supplies



Image: Recommended Controllers/Dimmers



Image: Before and After Installation Example

6. Operating Instructions

The PAUTIX COB LED Strip Lights are designed for simple operation once installed.

- **Power On/Off:** The lights will turn on when connected to a powered DC24V power supply. To turn them off, disconnect the power supply or use an inline switch if installed.
- **Dimming (Optional):** If you have purchased a compatible dimmer (sold separately), connect it between the power supply and the LED strip. Follow the dimmer's instructions to adjust the brightness levels.

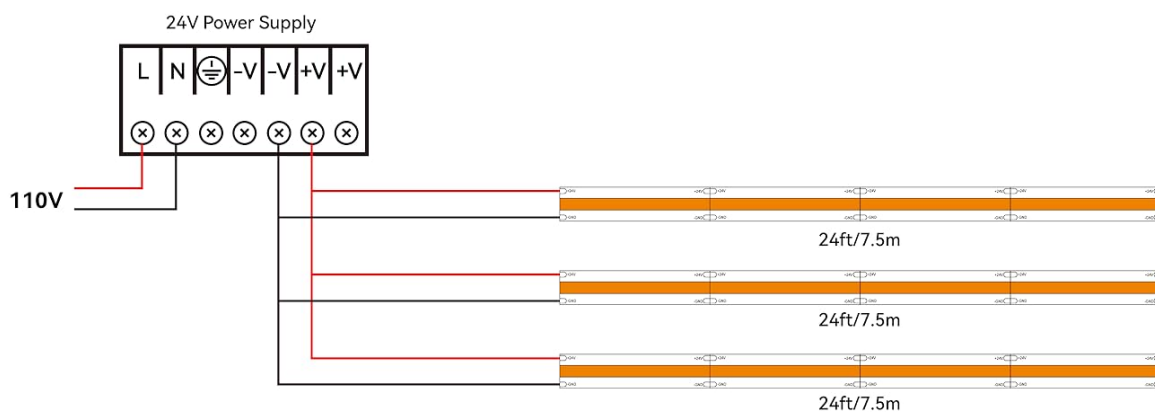


Image: Dimmable Functionality (Dimmer Sold Separately)

7. Maintenance

To ensure the longevity and optimal performance of your PAUTIX COB LED Strip Lights, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the surface of the LED strip with a soft, dry, or slightly damp cloth. Ensure the power is disconnected before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the adhesive backing to ensure the strip remains securely attached. Reapply pressure if necessary. Inspect connections for any signs of wear or looseness.
- **Avoid Obstructions:** Ensure the LED strip is not covered by any objects that could trap heat, as this can reduce its lifespan.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Lights do not turn on	No power supply, incorrect voltage, loose connection, damaged strip.	Check power supply connection and ensure it's DC24V. Verify all connectors are secure. Inspect the strip for visible damage.
Uneven brightness or dark spots	Damaged section of the strip, insufficient power for length, poor connection.	Ensure the power supply wattage is adequate for the total length. Check connections for continuity. If a section is damaged, it may need replacement.
Adhesive not holding	Surface not clean, uneven surface, excessive weight on strip.	Clean the surface thoroughly before reapplication. Use additional clips or stronger adhesive if needed for heavy-duty applications.
Lights flicker	Unstable power supply, loose connection, incompatible dimmer.	Ensure power supply is stable. Check all connections. If using a dimmer, ensure it is compatible with DC24V LED strips.

If the problem persists after trying these solutions, please contact PAUTIX customer support.

9. Specifications

Feature	Detail
Brand	PAUTIX
Model Number	B09B78F9F6
Light Source Type	COB LED
Length	48ft (15m)
LEDs per Meter	504 LEDs/m
Color Temperature	2700K Warm White
Color Rendering Index (CRI)	90+
Voltage	DC24V
Wattage	40 watts
Beam Angle	180 degrees
Lifespan	Over 65,000 hours
Adhesive	3M Adhesive Backing
Water Resistance Level	Not Water Resistant
Material	Metal, Vinyl
Indoor/Outdoor Usage	Indoor
UPC	770773558892

10. Warranty and Support

PAUTIX provides a 5-year warranty for this product, covering manufacturing defects and ensuring reliable performance.

For technical support, warranty claims, or any questions regarding your PAUTIX COB LED Strip Lights, please contact PAUTIX COB Lighting directly through your purchase platform or visit the official PAUTIX website for contact information.

Seller: PAUTIX COB Lighting