

## Flutesan B09TZPYYWQ

# Flutesan COB LED Strip to Wire Connector

Model: B09TZPYYWQ (2 Pin, 8 mm)

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Flutesan COB LED Strip to Wire Connectors. Please read these instructions carefully before installation and retain this manual for future reference. The Flutesan COB LED Strip to Wire Connector is designed to create secure, solderless connections between COB LED strips and electrical wires. Its clear design allows for visual confirmation of connections, and its compact size ensures easy handling and integration into various lighting projects.

## 2. PRODUCT OVERVIEW

### 2.1. Features

- **Ease of Use:** Designed for simple, tool-free connection between LED light strips and wires.
- **Durable Construction:** Made from reliable PC material for sturdiness and safety.
- **Solderless Connection:** Eliminates the need for soldering, simplifying installation.
- **Clear Design:** Transparent housing allows for visual inspection of connections.
- **Compatibility:** Suitable for 2-pin, 8 mm COB LED strips and 22 AWG wires (1.6 mm / 0.06 inch diameter).
- **Versatile Application:** Appropriate for various indoor settings including home, office, and commercial environments.

### 2.2. What's in the Box

- 20 x Flutesan COB LED Strip to Wire Connectors (2 Pin, 8 mm)
- 1 x Opener tool

### 2.3. Specifications

Specification	Detail
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Brand	Flutesan
Model	B09TZPYYWQ
Connector Type	COB LED Strip to Wire Connector
Pin Configuration	2 Pin
Strip Width Compatibility	8 mm
Wire Gauge Compatibility	22 AWG (1.6 mm / 0.06 inch diameter)
Material	Polycarbonate (PC)
Color	Clear
Indoor/Outdoor Usage	Indoor
Special Feature	Waterproof (for the connector itself, ensure proper sealing for overall system)
Package Dimensions	3.98 x 2.6 x 0.47 inches
Item Weight	1.28 ounces

### 3. SAFETY INFORMATION

Please observe the following safety precautions:

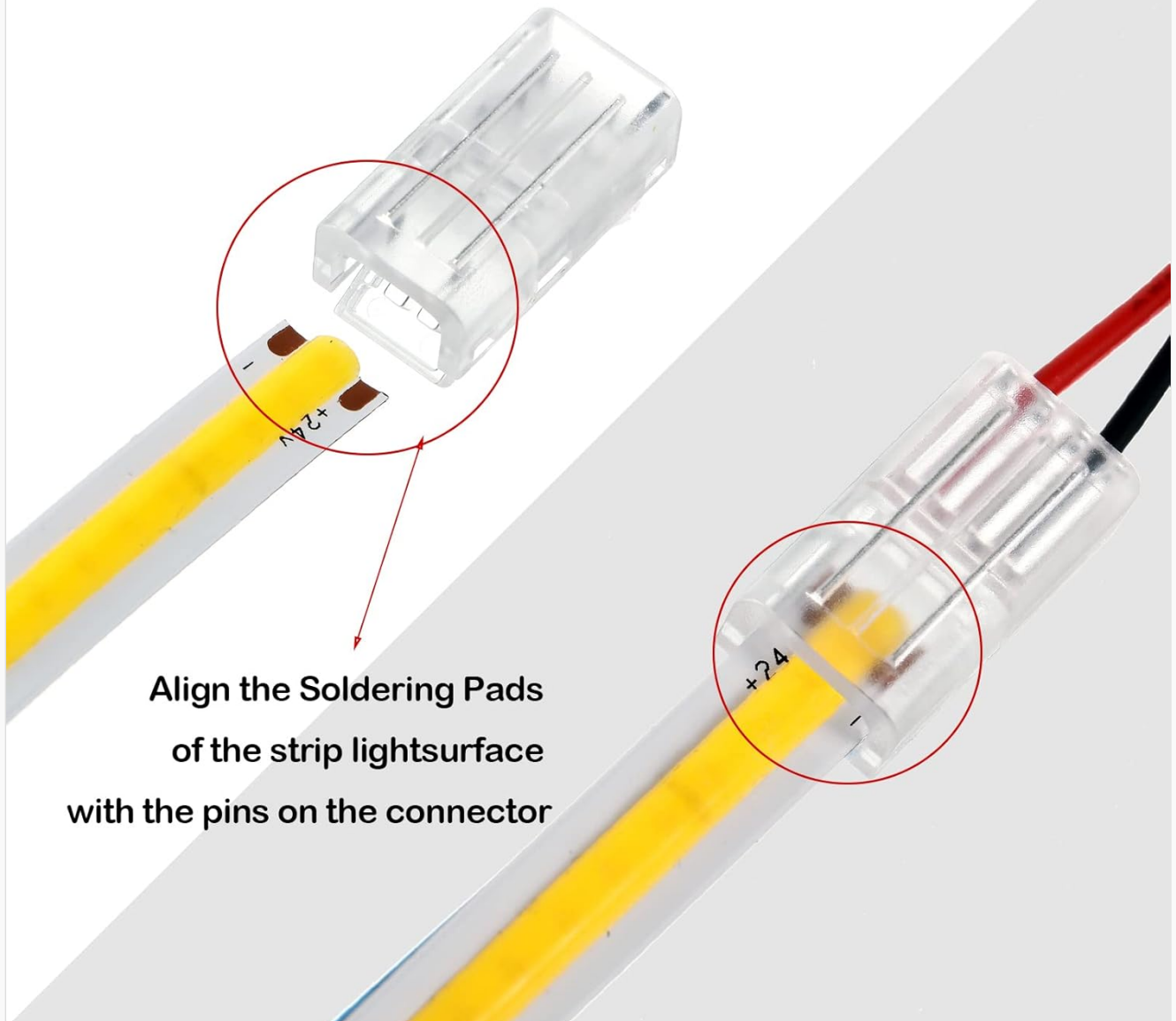
- Always disconnect power to the LED strip and power supply before installing or removing connectors.
- Ensure correct polarity (+ and -) when connecting the LED strip and wires to prevent damage to the LED strip.
- Use only with compatible 2-pin, 8 mm COB LED strips and 22 AWG wires.
- Do not exceed the maximum wattage or voltage ratings of your LED strip and power supply.
- Avoid bending or twisting the connector excessively during installation.
- Keep out of reach of children.
- While the connector is waterproof, ensure the entire lighting system is appropriately sealed if used in damp environments.

### 4. SETUP AND INSTALLATION

Follow these steps to properly install the COB LED Strip to Wire Connector:

1. **Prepare the LED Strip:** Ensure the COB LED strip is cut cleanly at the designated cut marks. The copper pads should be exposed and clean.
2. **Prepare the Wires:** Strip approximately 5-7 mm (0.2-0.28 inches) of insulation from the ends of your 22 AWG wires. Ensure the wire strands are twisted tightly together.
3. **Open the Connector:** Use the provided opener tool or gently pry open the clear latch on the connector.
4. **Insert LED Strip:** Carefully slide the end of the COB LED strip into the connector, ensuring the copper pads on the strip align with the metal pins inside the connector. Pay close attention to the '+' and '-' polarity markings on both the strip and the connector. The strip should be fully inserted until it meets the internal stop.

## INSTALLATION TIPS FOR STRIPS



*Image 4.1: Aligning the LED strip with connector pins.*

- 5. Close the Strip Side:** Once the LED strip is correctly positioned and polarity is confirmed, firmly press down the clear latch on the strip side of the connector until it clicks shut. This secures the strip.
- 6. Insert Wires:** Insert the prepared wire ends into the wire-side guide slots of the connector. Again, ensure correct '+' and '-' polarity matches the LED strip connection.

## WIRE TO LED STRIP CONNECTION



Insert wires into the guide slot and then press cap down



Align the Soldering Pads of the light strip surface with the pins on the connector

Install according to the corresponding line sequence

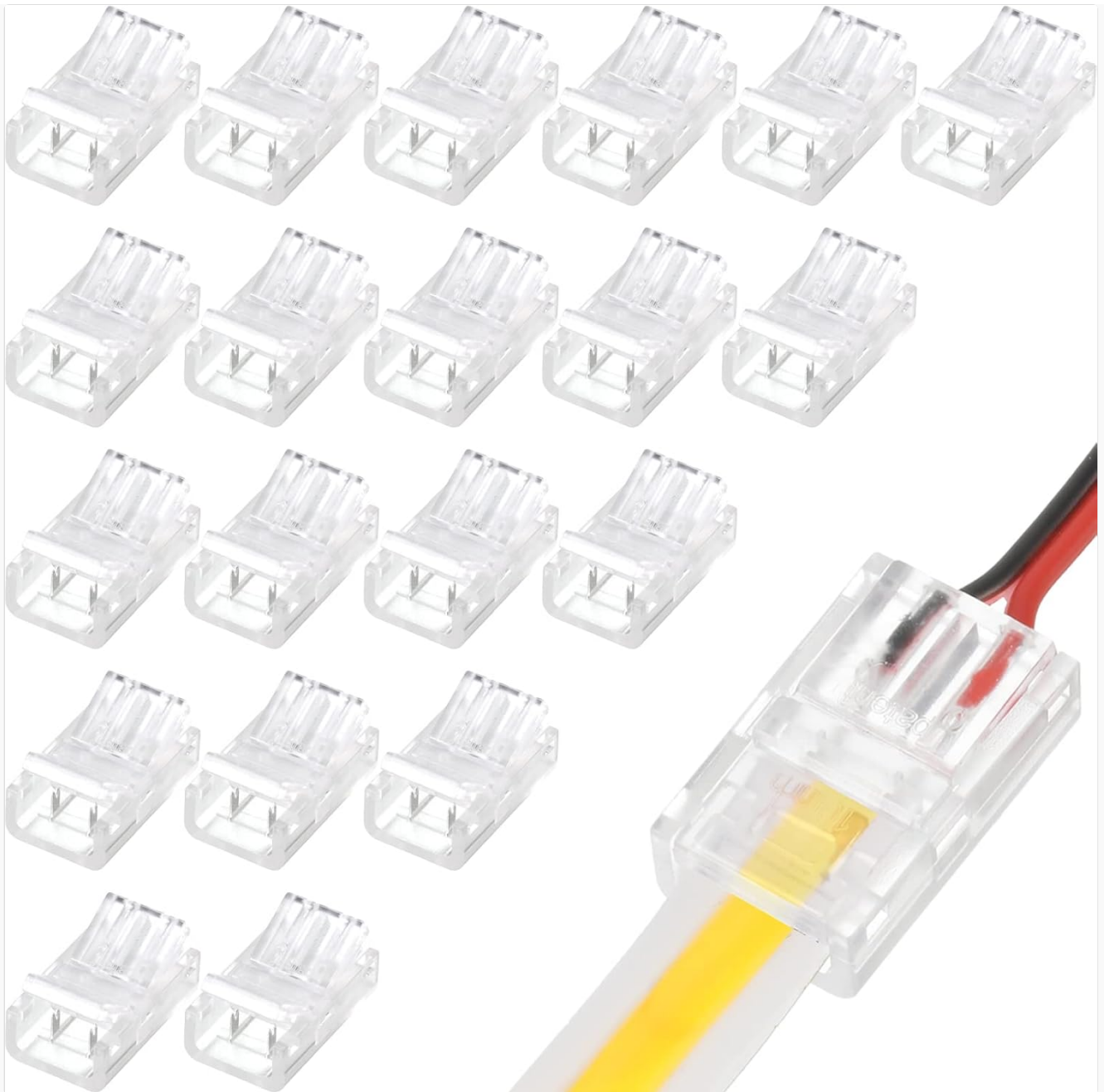


Make sure the + 'and' - polarity is correct

Wire to led strip connection complete

Image 4.2: Detailed steps for wire to LED strip connection.

- 7. Close the Wire Side:** Press down the clear latch on the wire side of the connector until it clicks, securing the wires.
- 8. Verify Connection:** Gently tug on the LED strip and wires to ensure they are securely fastened and do not pull out easily. Visually inspect through the clear housing for proper contact.
- 9. Test:** Connect the power supply to the wires and test the LED strip to confirm proper functionality. If the strip does not light up, recheck polarity and connections.



*Image 4.3: Flutesan COB LED Strip to Wire Connectors.*

# SUITABLE FOR 8MM 2PIN COB LED STRIP

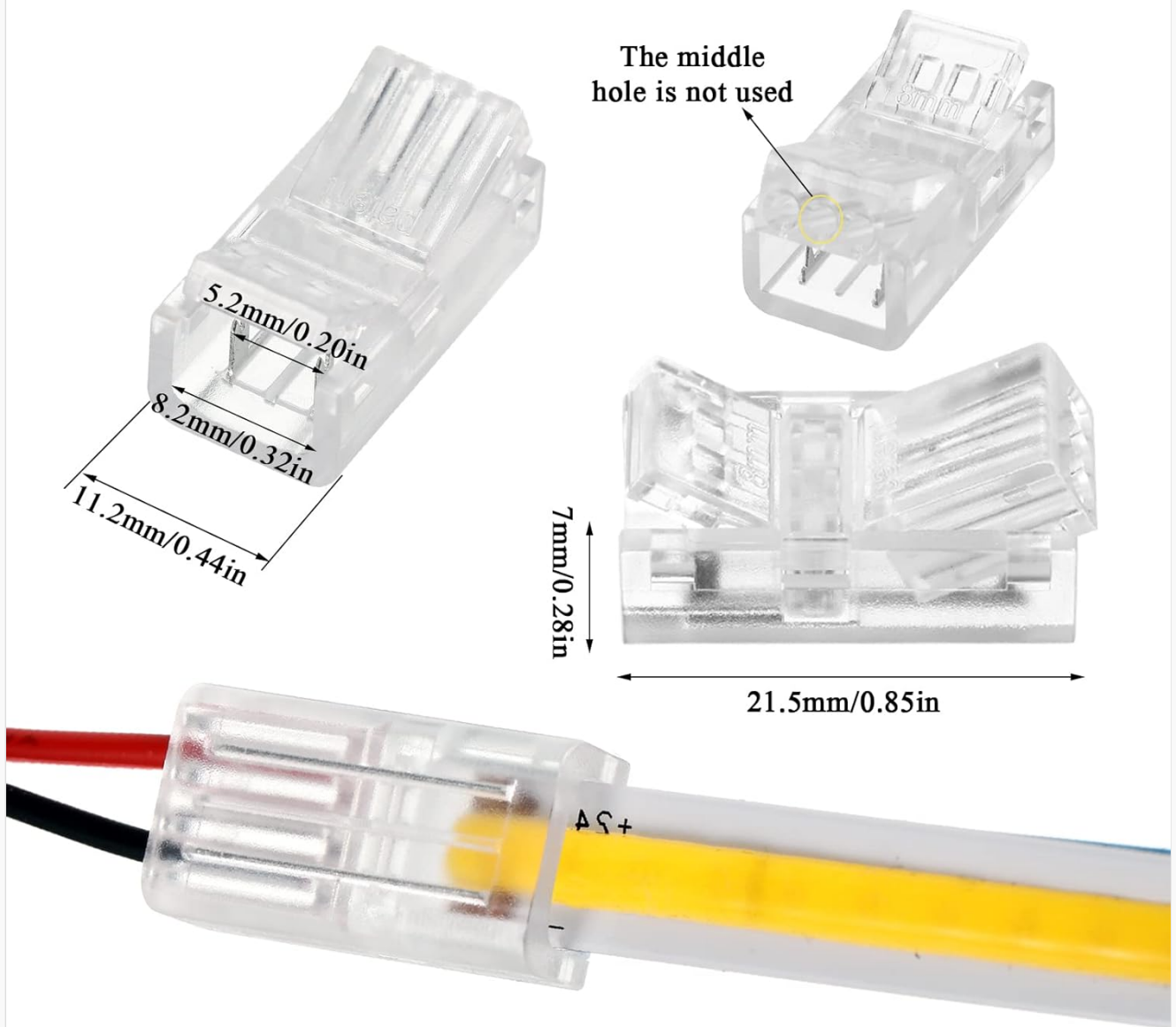
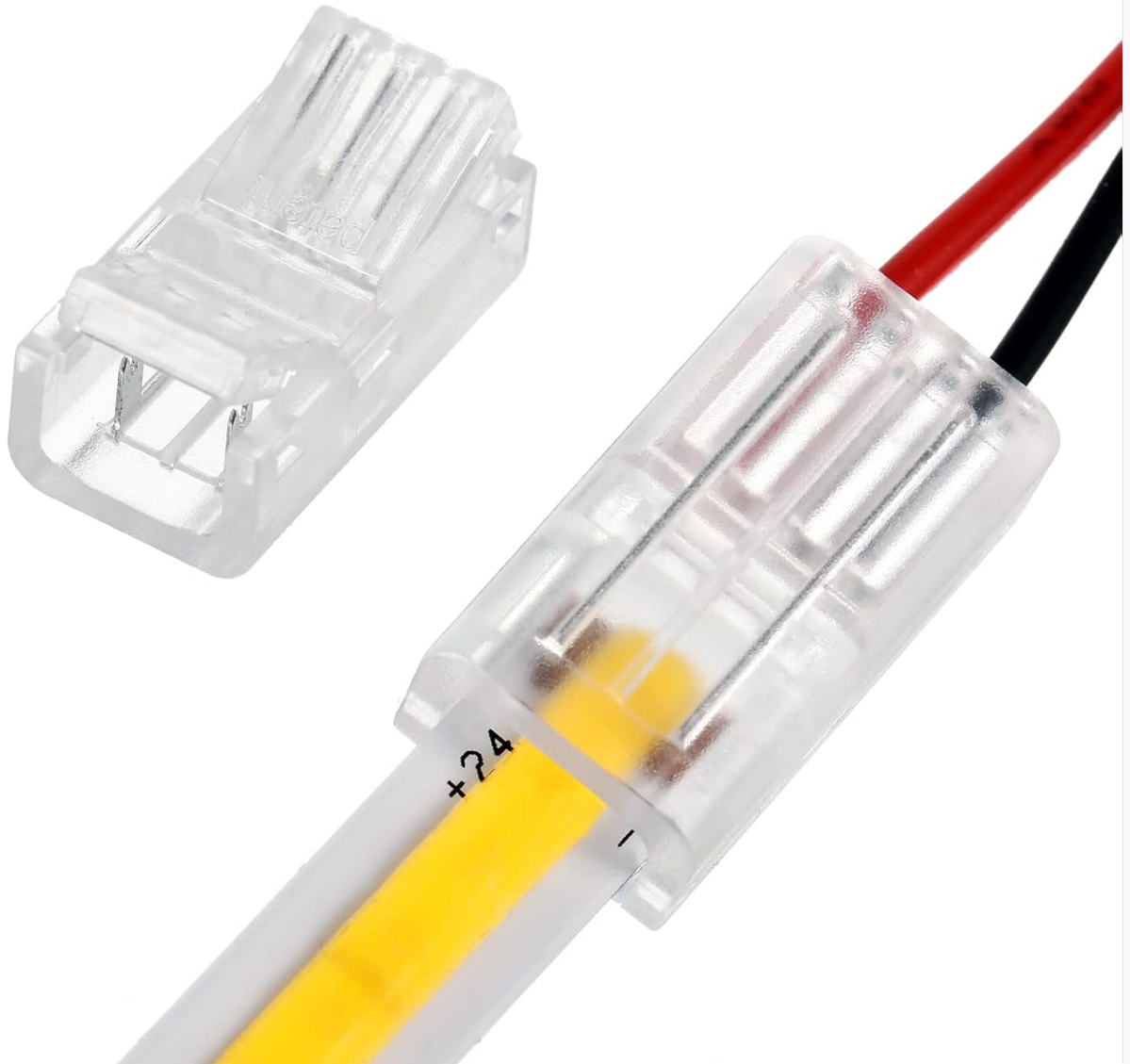


Image 4.4: Connector dimensions.

**Apply to:**  
**2pin cob 8mm IP20**



*Image 4.5: Connector compatibility with 2-pin, 8mm IP20 COB LED strips.*

## **5. OPERATING INSTRUCTIONS**

Once properly installed, the Flutesan COB LED Strip to Wire Connector functions as a passive electrical connection. There are no operational controls on the connector itself. The LED strip will illuminate when power is supplied through the connected wires, provided all connections are secure and polarity is correct.



Image 5.1: Example application of LED strip lighting.

## 6. MAINTENANCE

The Flutesan COB LED Strip to Wire Connectors require minimal maintenance. Follow these guidelines:

- **Regular Inspection:** Periodically check connections for any signs of loosening or damage.
- **Cleaning:** If necessary, gently wipe the connectors with a dry, lint-free cloth. Do not use liquid cleaners or solvents.
- **Environmental Conditions:** Ensure the connectors are not exposed to extreme temperatures or excessive moisture beyond their intended indoor use, unless additional waterproofing measures are taken for the entire system.

## 7. TROUBLESHOOTING

If your LED strip is not functioning correctly after installation, consider the following:

- **LED Strip Not Lighting Up:**

- **Check Polarity:** Ensure the '+' and '-' markings on the LED strip and connector, and the wires, are correctly aligned. Incorrect polarity is a common cause of non-functionality.
  - **Secure Connection:** Verify that both the LED strip and wires are fully inserted into the connector and the latches are securely closed. Gently tug to confirm.
  - **Power Supply:** Confirm the power supply is connected, switched on, and providing the correct voltage and wattage for your LED strip.
  - **Damaged Strip/Wire:** Inspect the LED strip and wires for any visible damage or breaks.
- **Flickering or Intermittent Light:**
    - **Loose Connection:** Re-open and re-secure the connector latches to ensure a firm contact.
    - **Wire Gauge:** Confirm that the wire used is 22 AWG (1.6 mm / 0.06 inch diameter) as specified. Incorrect wire gauge can lead to poor contact.
    - **Power Supply Issue:** Test the power supply to ensure it is stable and not overloaded.
  - **Difficulty Opening Connector:** Use the provided opener tool or a small, flat-head tool to gently pry open the latches. Avoid excessive force to prevent damage.

## 8. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the Flutesan brand store on Amazon or contact the seller directly through your purchase platform. Keep your proof of purchase for any warranty claims.

Visit the official Flutesan Store: [Flutesan Store](#)