COB LED Strips

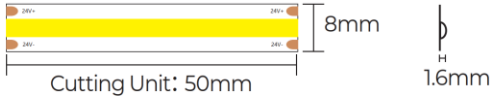
The 11W/m COB LED Strip is a cutting-edge lighting solution that delivers seamless, dot-free illumination for a sleek and modern aesthetic. With its 11W per meter output, this strip offers consistent brightness and exceptional performance. Featuring CRI 90, it ensures vibrant and accurate colour rendering, making it ideal for applications where quality and precision are paramount.

FEATURES AND BENEFITS:

- ✓ High CRI 90
- ✓ Wider 180° Beam Angle
- ✓ Available in Constant Voltage 24V DC
- ✓ 480 LEDs per meter for dot less illumination.
- ✓ 3M back tape for effortless installation
- ✓ Available in both IP20 and IP65
- ✓ Long Lifespan, rated for 36,000 hours (L70)
- ✓ 5-year warranty

APPLICATION:

- ❖ Architectural Accents
- ❖ Cabinet and Shelf Lighting
- ❖ Cove and accent lighting
- ❖ Retail and Display
- ❖ Decorative Installations:



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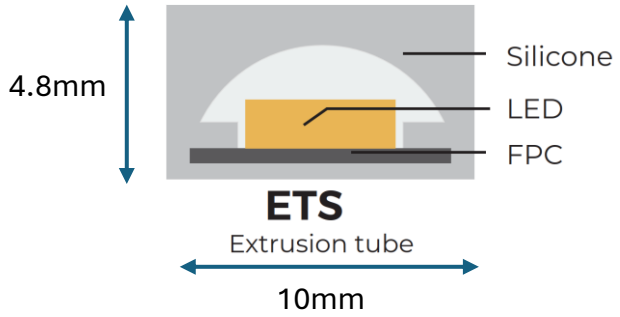
DATASHEET:

Azoogi Product Code	Input Voltage DC (V)	Max. Power per Meter (W/m)	Colour Temperature	Lumen (lm/m)	CRI	LEDs per Meter	FPC Width (mm)	Beam Angle	Diagram	Cutting Increment	IP Rating	Operating Temperature	Warranty
STR150	24V	11W/m	3000 K	800lm/m	Ra>90	480leds/m	8mm	180°		50mm	IP20	-20°C to +40°C	5 years
STR151	24V	11W/m	4000 K	910lm/m	Ra>90	480leds/m	8mm	180°		50mm	IP20	-20°C to +40°C	5 years
STR152	24V	11W/m	3000 K	704lm/m	Ra>90	480leds/m	10mm	180°		50mm	IP65 (ETS)	-20°C to +40°C	5 years
STR153	24V	11W/m	4000 K	801lm/m	Ra>90	480leds/m	10mm	180°		50mm	IP65 (ETS)	-20°C to +40°C	5 years



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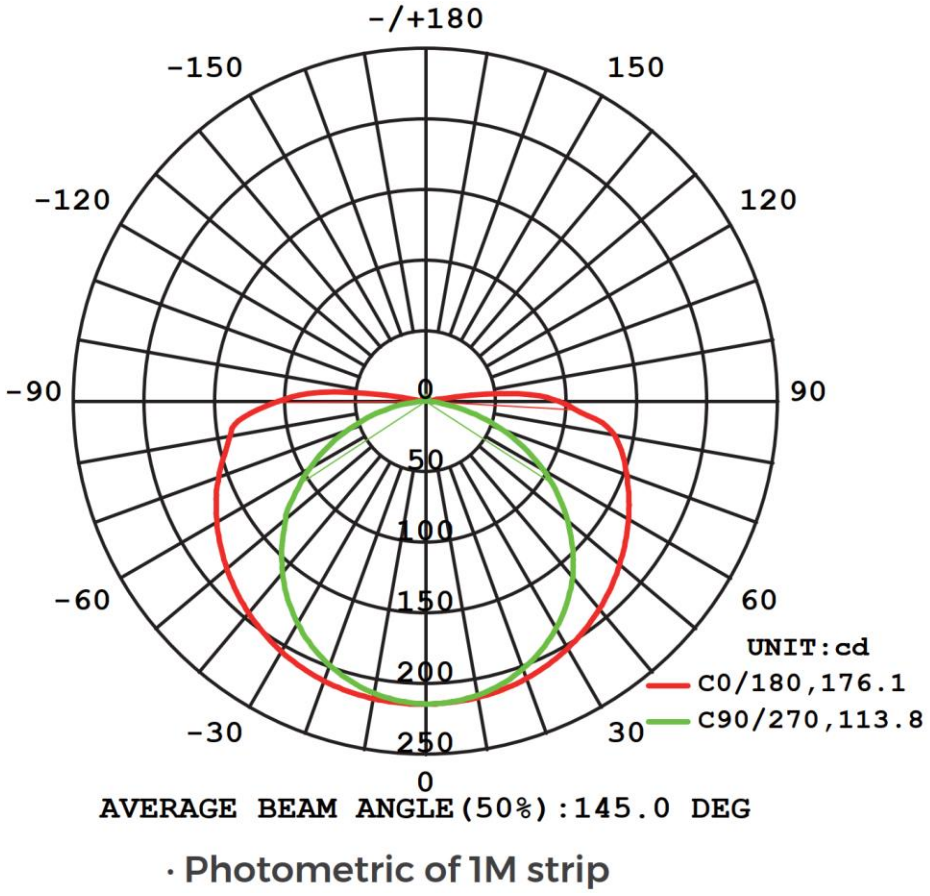
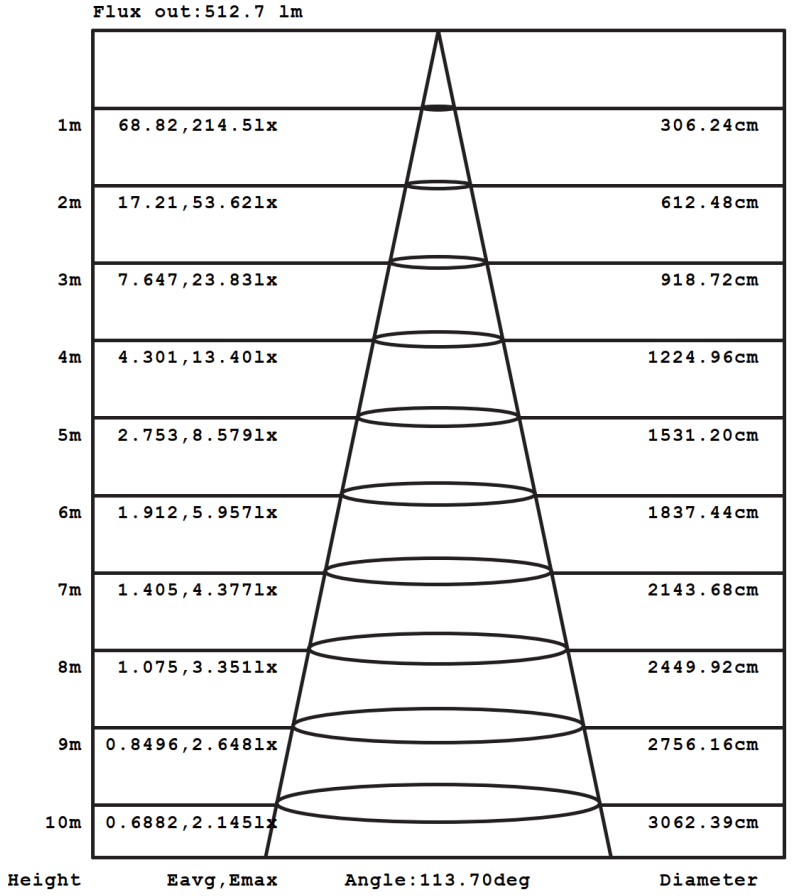
LUMINOUS INTENSITY DISTRIBUTION CURVE (24V):



· Photometric of 1M strip

ILLUMINANCE AT A DISTANCE (24V):



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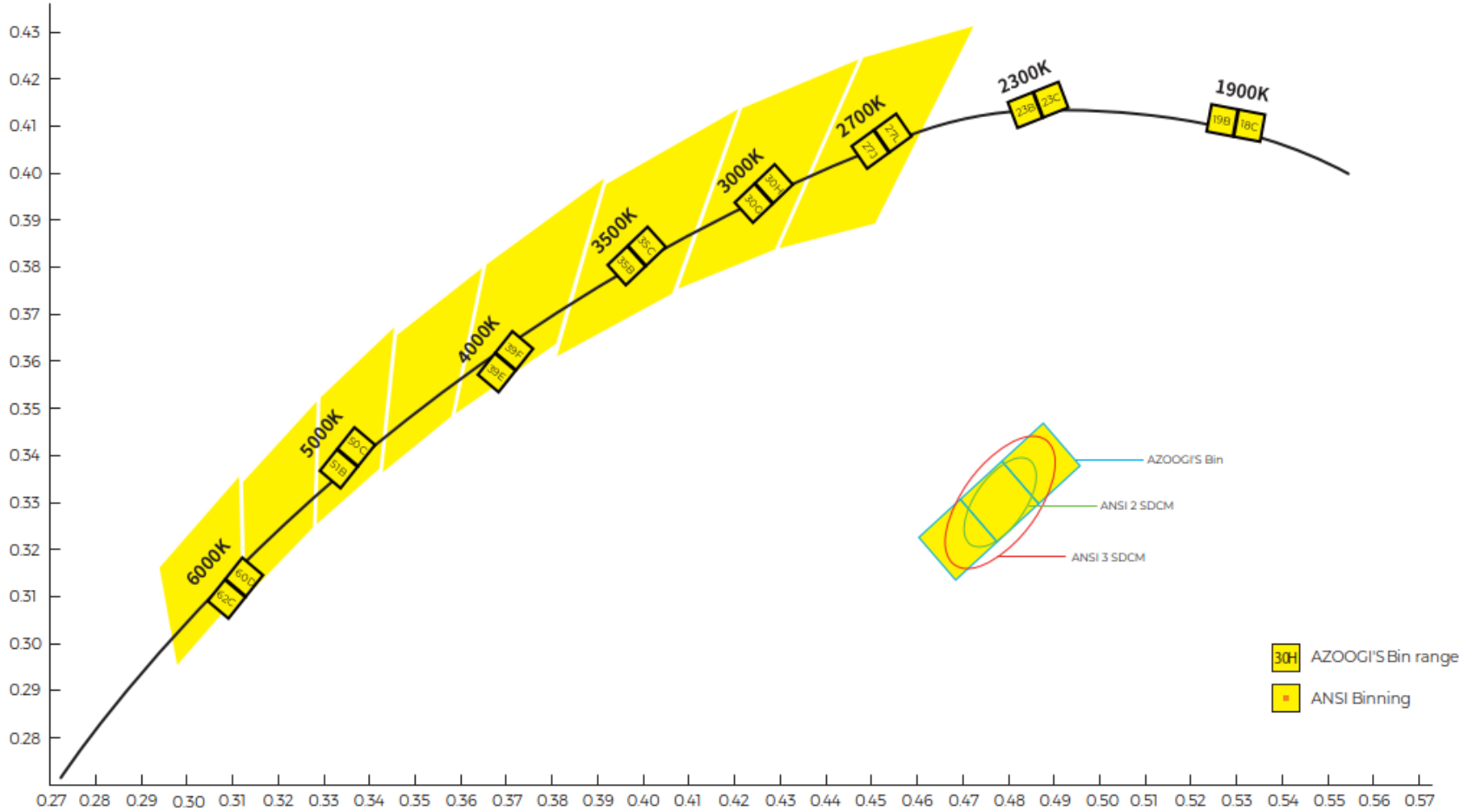
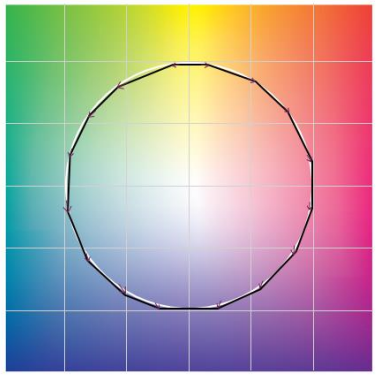
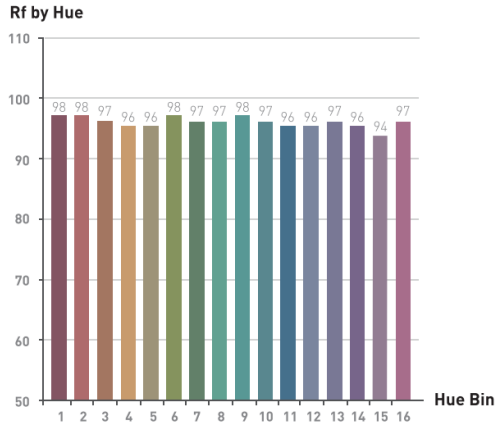
MACADAM ELLIPSES:

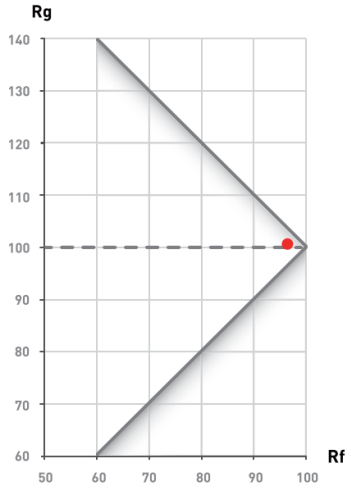


Complied with international ANSI standards, Azoogi divides every CCT into 2 or 3 bins, at 2-step McAdam ellipse at least, to ensure customers get the same colour of light even for different orders.

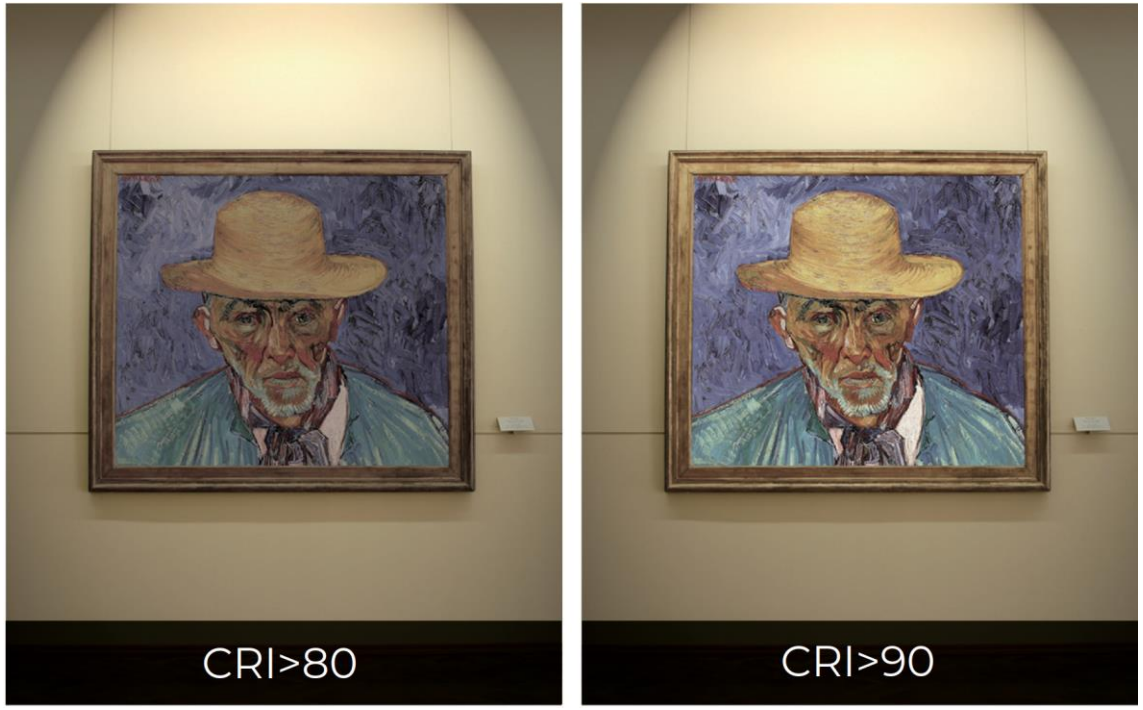
TEST OF FULL SPECTRUM (FS) LED:







COLOR RENDITION (CRI):



All our LED strips are manufactured with a **CRI>90**, ensuring superior color rendering for vibrant, true-to-life illumination. This high CRI rating enhances the richness and accuracy of colors, making them ideal for applications where color precision is essential, such as artwork displays, retail spaces, and interior designs. With our CRI>90 LED strips, you can bring out the finest details and create visually stunning environments.

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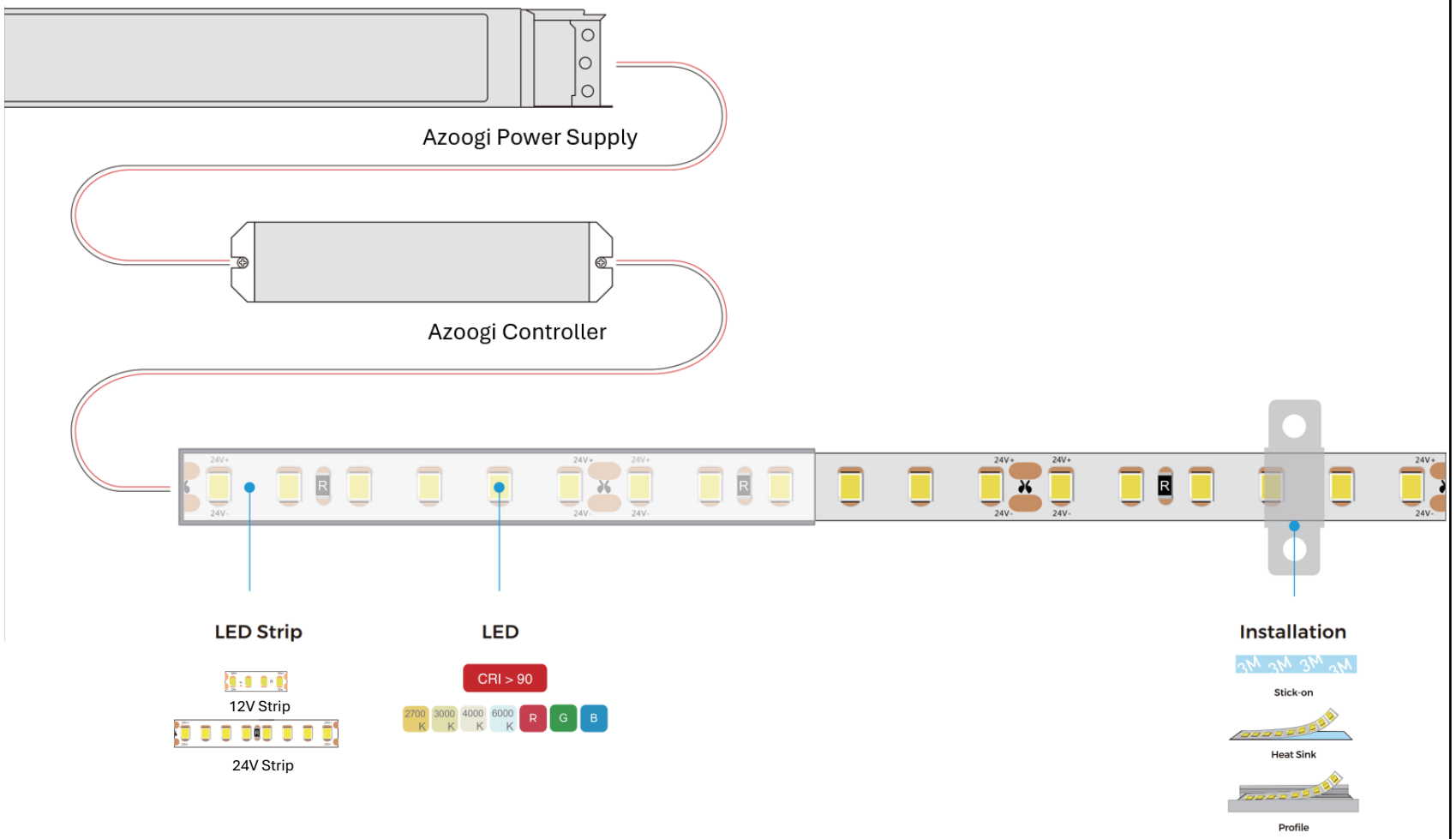
INSTALLATION:



Step 1: Preparing for Installation

- **Check the Voltage:** Confirm whether your LED strip is 12V or 24V and ensure the power supply matches the strip's requirements.
- **Plan the Layout:** Measure the area and determine where the LED strip will be installed. Ensure the strip length matches your design.
- **Ensure Clean Surfaces:** Clean the installation surface to remove dust or grease for optimal adhesion.

Step 2: Power Supply and Controller Connection

- **Connect the Power Supply:** Plug the Azoogi power supply into the mains and connect the output terminals to the LED strip or controller.
- **Add Controller (Optional):** If using a controller for dimming or color control, connect it between the power supply and the LED strip and follow the wiring diagram for proper connections.

Step 3: Installing the LED Strip

- **Cut to Size (if necessary):**Use marked cutting increments (50mm or 100mm) to trim the strip to your required length and ensure the cut does not damage the circuitry.
- **Adhere the Strip:** Peel off the backing from the 3M adhesive tape on the strip and carefully stick the strip to the clean surface, ensuring it is aligned properly.
- **Use Profiles or Heat Sinks (Recommended for longevity):** Place the LED strip onto the heat sink or inside the aluminum profile to enhance heat dissipation and provide a professional finish.

Step 4: Connecting the LED Strip

- **Connect to Power:** Attach the LED strip terminals to the output from the power supply or controller, ensuring polarity (+/-) is correct.
- **Secure Connections:** Use proper connectors to avoid loose wiring and test the connection by powering on the strip.

Step 5: Testing and Adjustments

- **Power On:** Turn on the power supply and test the LED strip for proper illumination.
- **Adjust Settings (if applicable):** Use the controller to adjust brightness or color as needed.

Important Installation Notes:

- Do not install the strip on rough or uneven surfaces without proper profiles.
- Avoid bending the strip at sharp angles to prevent damage to the LEDs or circuits.
- Ensure adequate ventilation or use a heat sink for installations in enclosed spaces to avoid overheating.
- For outdoor or damp areas, ensure IP65-rated strips are used and connections are waterproofed.

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