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› JOYLIT 24V COB LED Strip Light Instruction Manual - Model COB-D480WP-30K

JOYLIT COB-D480WP-30K

JOYLIT 24V COB LED Strip Light Instruction Manual

Model: COB-D480WP-30K

INTRODUCTION

Thank you for choosing the JOYLIT 24V COB LED Strip Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your LED strip light. Please read these instructions carefully before use and retain them for future reference.

The COB (Chip-On-Board) LED technology ensures a continuous, smooth, and uniform light output without visible individual LED dots, making it ideal for various lighting applications, including reflective surfaces and narrow spaces.

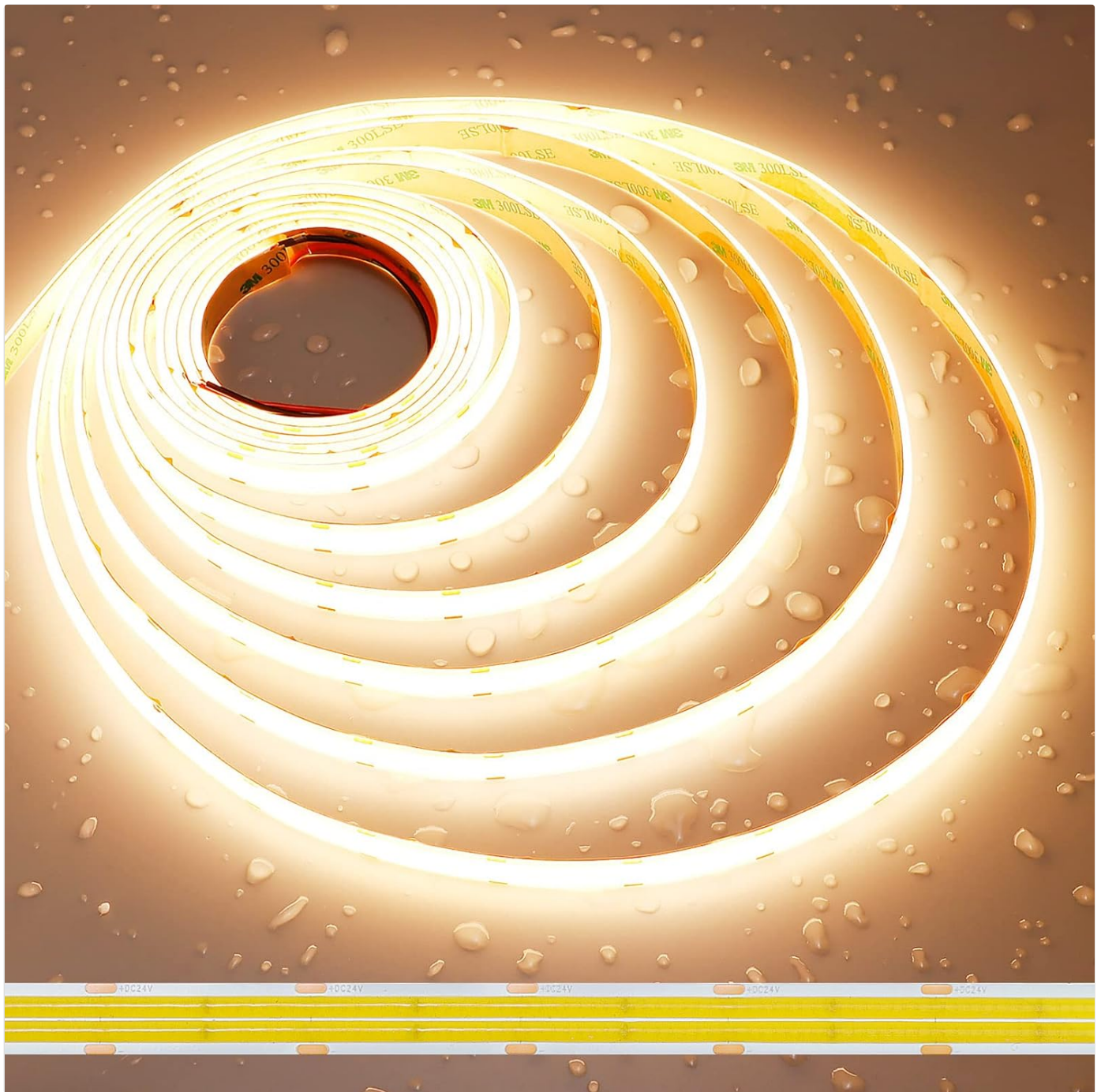


Image: The JOYLIT 24V COB LED Strip Light, coiled to show its continuous illumination.

SAFETY INFORMATION

- **Power Supply:** This LED strip operates on **24V DC**. Do not connect it directly to 120V/240V AC power. A compatible 24V DC power supply (minimum 150W for 5 meters) is required and sold separately.
- **Installation:** Ensure power is disconnected before installation or maintenance. Improper installation can lead to electric shock or fire.
- **Cutting:** The strip can be cut at designated marks (every 3.3cm). Cutting at non-marked points will damage the circuit. Soldering is required for reconnecting cut sections.
- **Heat:** This high-efficiency LED strip generates more heat than ordinary strips. Ensure adequate ventilation and do not cover the strip with heat-insulating materials.
- **Waterproofing:** The strip is IP65 rated, meaning it is protected against dust and low-pressure water jets. While suitable for outdoor use, avoid submersion or direct high-pressure water exposure.
- **Children:** Keep out of reach of children.

PACKAGE CONTENTS

Upon opening your package, please verify that all components are present:

- 1 x JOYLIT 24V COB LED Strip Light (5 meters)
- 1 x User Manual

Note: A 24V DC power supply and dimmer switch are**not included** and must be purchased separately.

SPECIFICATIONS

Feature	Specification
Brand	JOYLIT
Model Number	COB-D480WP-30K
Light Source	COB LED Strip
Power (per meter)	25W/M
Total Power (5M)	125W
Color Temperature	3000K Warm White
Color Rendering Index (CRI)	95+
Operating Voltage	24V DC
IP Rating	IP65 Waterproof
Length	5 meters
Width	12mm
LEDs per Meter	960 LEDs/M (Dual Row)
Luminous Flux (5M)	15000 lm
Incandescent Equivalent	1200 Watts
Operating Temperature	-25~70°C
Lifespan	Approx. 65,000 hours
Cuttable Interval	Every 3.3cm
Material	Vinyl, ceramic, metal, copper
Energy Efficiency Class	E (EPREL Link)

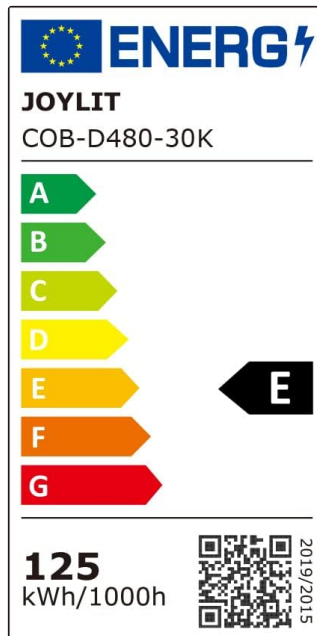


Image: EU Energy Efficiency Label for the JOYLIT COB LED Strip Light.

SETUP INSTRUCTIONS

1. **Prepare the Surface:** Ensure the installation surface is clean, dry, and smooth. Remove any dust, oil, or moisture that could affect the adhesive.
2. **Measure and Cut (if necessary):** Measure the desired length for your installation. The LED strip can be cut at the designated cut marks, which are located every 3.3cm. Use sharp scissors to ensure a clean cut.
3. **Connect Wires (if cut):** If you have cut the strip, you will need to solder wires to the copper pads at the cut points to reconnect sections or connect to the power supply. Use a 2-pin connector (1mm) for reconnection.
4. **Apply Adhesive:** The strip features strong original 3M adhesive backing. Carefully peel off the protective cover from the adhesive side.
5. **Mount the Strip:** Press the LED strip firmly onto the prepared surface, ensuring even pressure along its entire length for optimal adhesion.
6. **Connect to Power Supply:** Connect the LED strip to a compatible 24V DC power supply. Ensure polarity is correct (positive to positive, negative to negative).
7. **Connect Dimmer (Optional):** If using a dimmer, connect it between the 24V DC power supply and the LED strip. For in-wall dimmer switches, a dimmable driver must be connected behind the switch.

Professional Grade

Stable & Durable

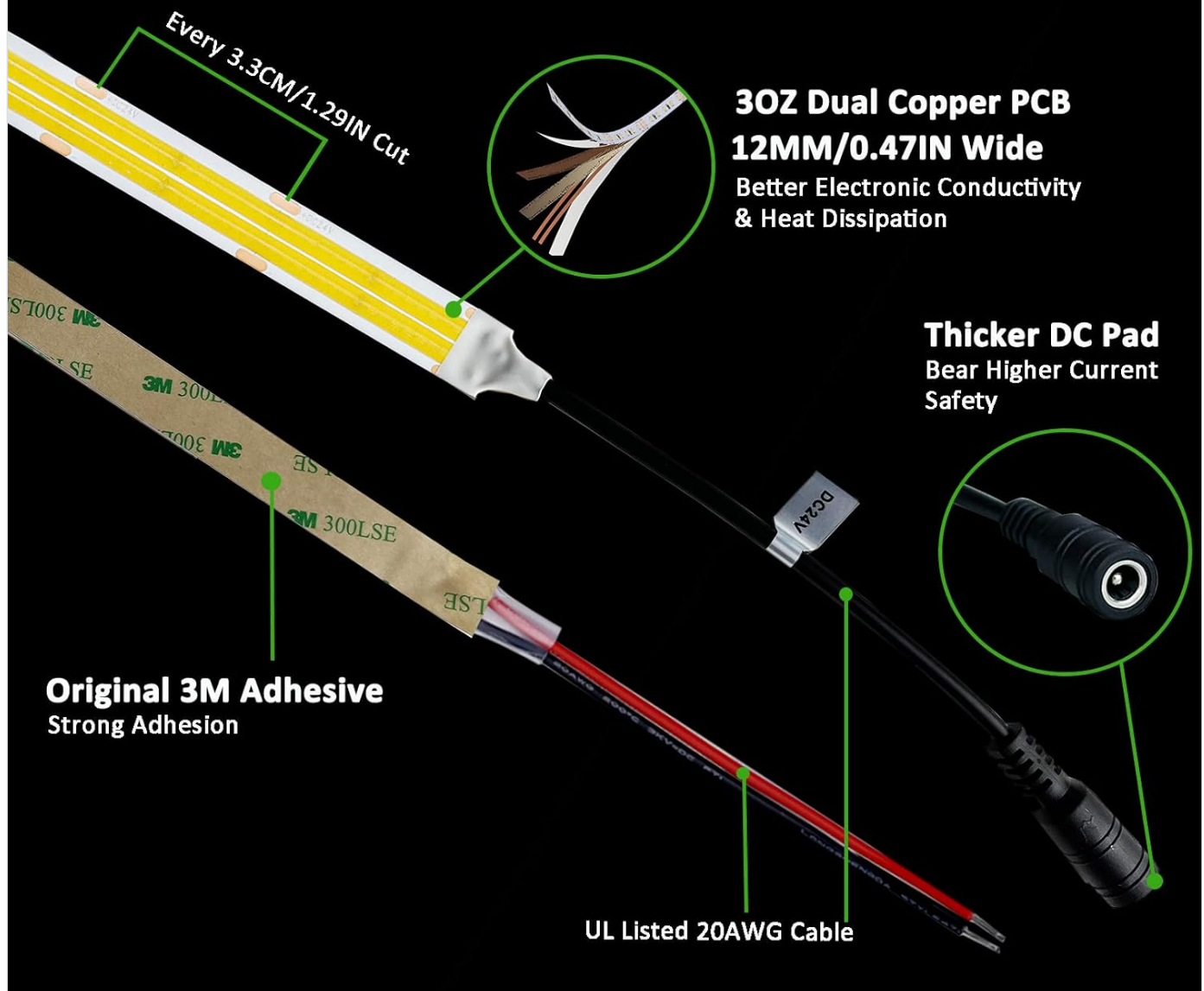


Image: Detailed view of the LED strip's professional design, including cut points, 30Z dual copper PCB for heat dissipation, 3M adhesive, and the DC power connection.

OPERATING INSTRUCTIONS

- **Power On/Off:** Once connected to a power supply, the LED strip will illuminate when the power supply is switched on.
- **Dimming Functionality:** The JOYLIT COB LED strip is 0-100% dimmable. To utilize this feature, a separate 12V/24V LED dimmer switch is required (not included). Connect the dimmer according to its specific instructions.



0-100% DIMMABLE

Package Do Not Include Dimmer Switch !

The light strip support dimmable,
but requires a dimmer switch. We suggest
you choose a 12V/24V LED Dimmer Switch

If you choose IN WALL DIMMER SWITCH
Please **CONNECT A DIMMABLE DRIVER BEHIND!**



Wall Mounted Knob Dimmer



Remote Dimmer



In Wall Dimmer Switch

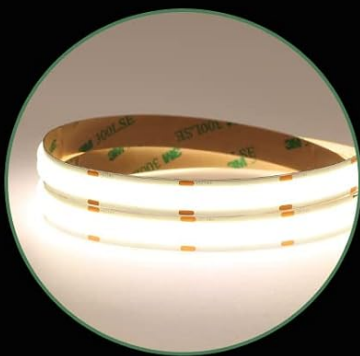
Image: Illustration of the 0-100% dimmable capability of the LED strip, highlighting the need for a separate dimmer switch.

MAINTENANCE

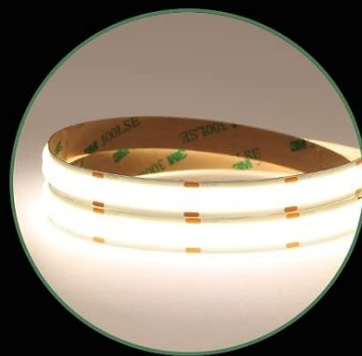
- **Cleaning:** To clean the LED strip, gently wipe it with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the silicone coating or the LEDs.
- **Inspection:** Periodically inspect the strip for any signs of damage, such as cuts, cracks, or loose connections. Ensure the adhesive remains secure.
- **Waterproof Integrity:** The IP65 silicone seal is designed to prevent cracking and yellowing over years of operation, maintaining the strip's waterproof properties.
- **Longevity:** The professional-grade design, including the 3OZ dual copper PCB, contributes to a long lifespan of approximately 65,000 hours, maintaining original colors and brightness over time.

Lasting Longer

Keep original colors
and brightness over the years



First Year



Second Year



ATTENTION: Low quality LED strip will losing quality over years using.

Image: Visual representation of the LED strip's long-lasting performance, showing consistent color and brightness over time.

TROUBLESHOOTING

Problem	Possible Cause	Solution
LED strip does not light up	No power, incorrect voltage, loose connection, damaged strip.	Check if the 24V DC power supply is connected and switched on. Verify that the power supply output matches the strip's 24V requirement. Inspect all connections for proper contact. If the strip was cut, ensure soldering is correct.
LED strip is very dim	Insufficient power supply, voltage drop, dimmer setting too low.	Ensure the power supply provides adequate wattage (minimum 150W for 5M). Check dimmer settings. For long runs, ensure proper wiring to minimize voltage drop.

Problem	Possible Cause	Solution
Flickering or inconsistent light	Unstable power supply, loose connection, incompatible dimmer.	Verify power supply stability. Check all connections. Ensure the dimmer is compatible with 24V LED strips.
Humming or buzzing sound	Interference from mounting surface (e.g., magnetic strip).	If mounted on a magnetic strip or metal surface, try removing the magnetic strip or insulating the strip from the surface.
Adhesive not sticking	Surface not clean or smooth, improper application.	Ensure the surface is thoroughly cleaned and dry before application. Apply firm, even pressure across the strip during installation.

WARRANTY AND SUPPORT

The JOYLIT COB LED Strip Light is designed for durability and stability, with an estimated lifespan of 65,000 hours. While specific warranty details are not provided in this manual, please retain your proof of purchase for any potential claims.

For technical support or inquiries, please contact your retailer or the manufacturer, JOYLAND. Information regarding spare parts availability is currently not available.

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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

Anonymous

Email

you@example.com

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