

PRODUCT DATA SHEET

COB 480LEDs/M COB LED Strip Light



Description

COB LED strip lights utilize chip-on-board technology to integrate high-density LED chips onto a flexible printed circuit board, delivering continuous, dot-free linear illumination with excellent uniformity. COB strips offer smooth visual output and superior color consistency, ideal for coves, under cabinets, displays, and other indirect lighting applications, providing a reliable and high-performance solution for architectural, commercial, and residential accent designs.



Product Features

- High quality components and premium packaged COB Chips
- Thick double layer 2oz fpcb for excellent thermalmanagement
- Single BIN Chips selection to ensure color consistency
- High-density COB chips, soft light and brighter light
- 180° illumination angle, high CRI, no spot, no flicker
- Operating Temperature -20°C to 45°C

ANY CUT


480 /M
LED QTY

8 MM
FPC WIDTH

9.0 W/M
POWER

24 V
VOLTAGE

180°
BEAM ANGLE

80 LM/W
EFFICIENCY

90 RA
CRI

Product Specification

Basic Parameters

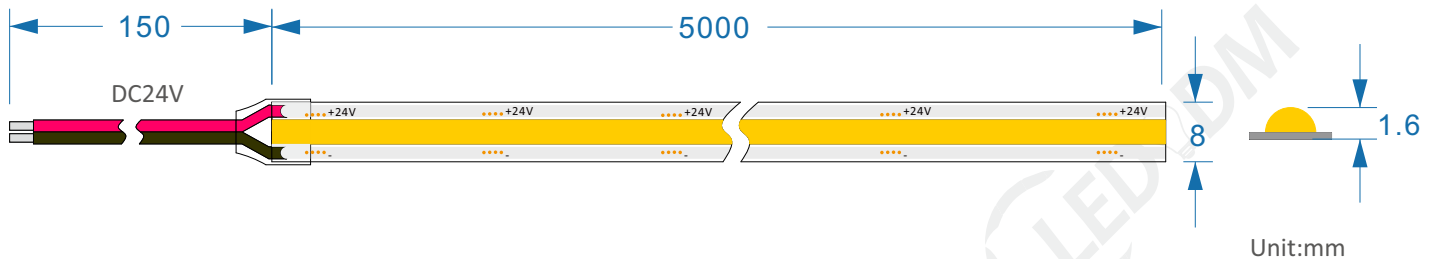
Model No.	LED QTY	Cut Length	Beam Angle	Operation Temperature	Dimension	Warranty
SL-COB-480CA	480Chips/M	Anywhere	180°	-20~45°C	L5000*W8	3 Years

Optoelectronic Parameters (IP20 data)

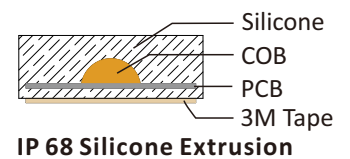
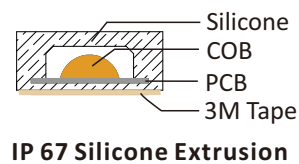
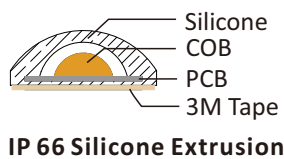
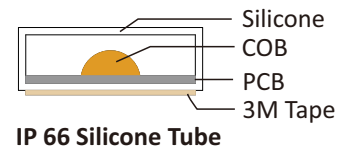
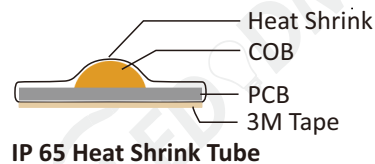
Model No.	Voltage	Power	Color	CRI	Efficiency (LM/W)	Lumen (LM/M)
SL-COB-480CA	DC24V	9.0W/M	2700K	≥90	70lm/W	630lm/M
			3000K	≥90	75lm/W	675lm/M
			4000K	≥90	80lm/W	720lm/M
			5000K	≥90	80lm/W	720lm/M
			6000K	≥90	80lm/W	720lm/M

Other color temperatures/colors can be customized according to requirements

Product Dimension



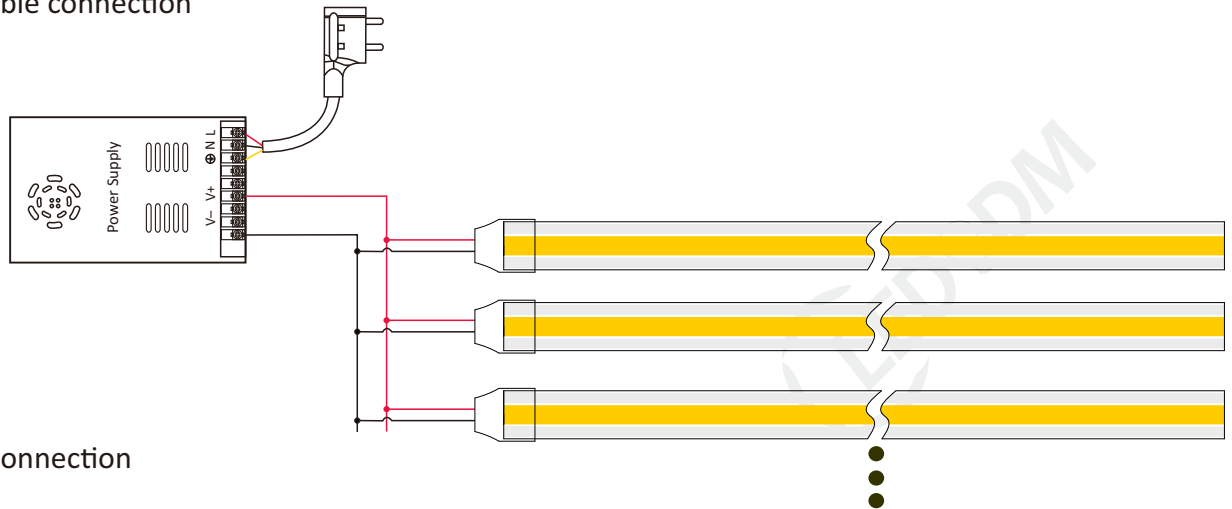
IP Rating Options



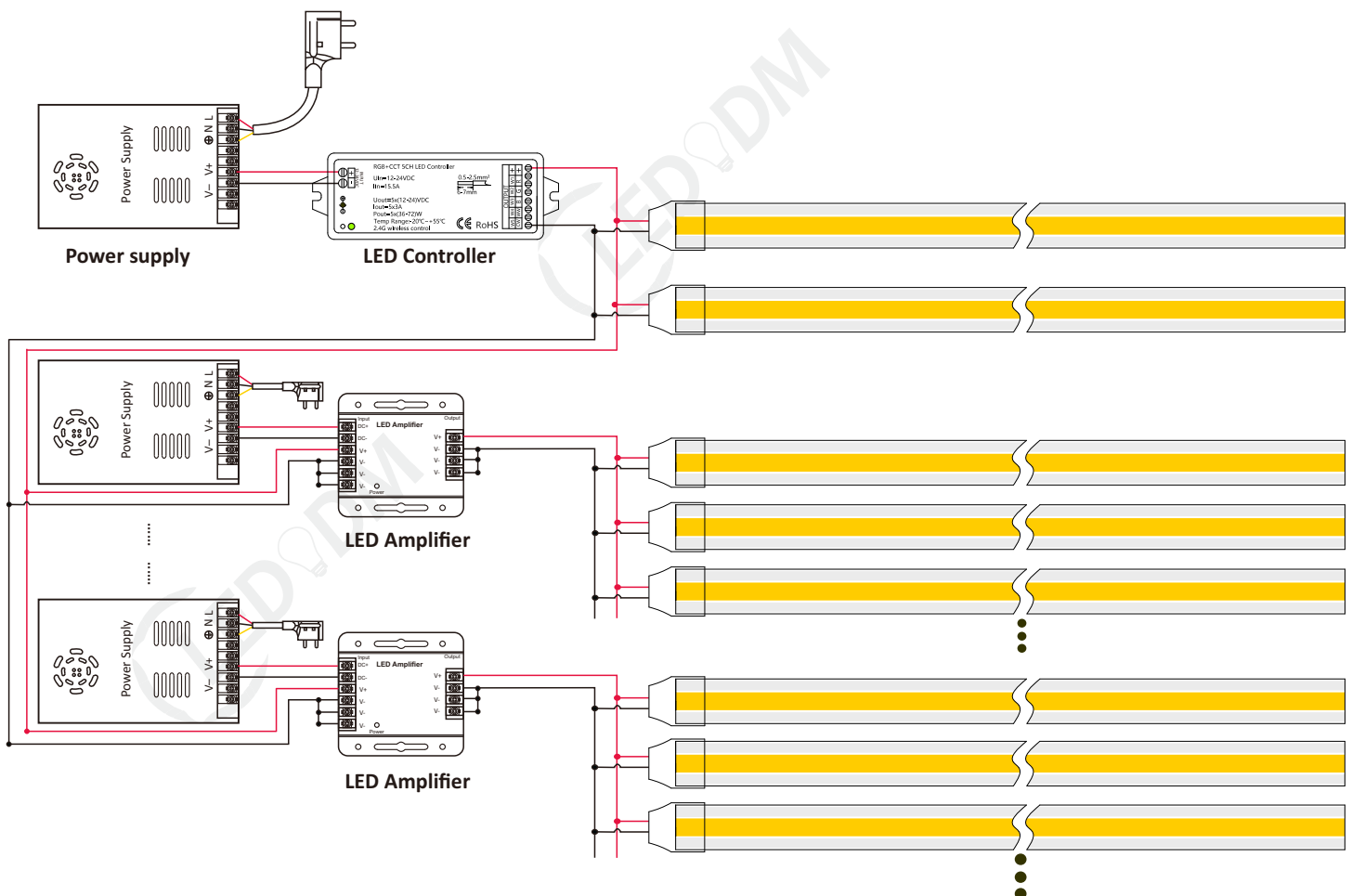
Waterproof Type	Photo	Size	IP Rate
Non-Waterproof		W8*H1.6mm	IP 20
Heat Shrink Tube		W8.3*H1.9mm	IP 65
Silicone Tube		W10.6*H4.3mm	IP 66
Silicone Extrusion		W9.5*H4.4mm	IP 66
Silicone Extrusion		W10*H4mm	IP 67
Silicone Extrusion		W10*H4.5mm	IP 68

Product Connection

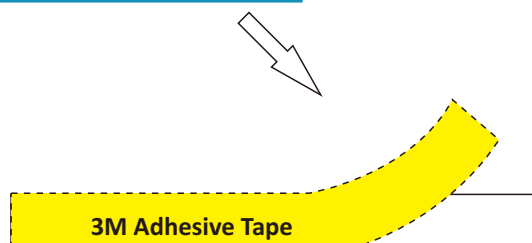
1) Non-dimmable connection



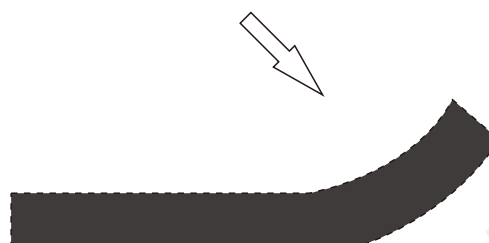
2) Dimmable connection



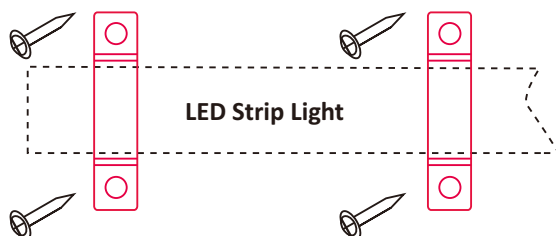
Product Installation



Peel off 3M tape



Stick the 3M Tape

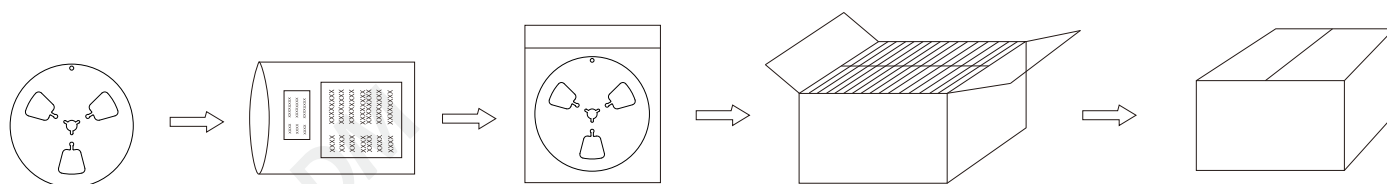


Install with Clips



Fix with Screw

Product Package



IP Rating	Length	Quantity/Carton	Carton Size	Carton Weight
IP20	5m/Roll	150Rolls	L360*W360*H380mm	14KG/CTN

Product Notes

- Please choose the product with proper IP ratings according to different environments;
- Don't damage the circuit board line during the installation process;
- Choose the matched power supply and ensure proper margin for wattage;
- Turn off the power during the installation process and make sure wiring is correct before power on;
- Don't stare at the light for a long time as it may cause injury to your eyes;
- The work like dismantlement and maintenance can only be done by professionals;

Malfunction & Solution

Symptom	Possible Causes	Solutions
Non LED works	1. No primary power for the power supply	Possible Causes
	2. The power supply is connected to primary power reversely	Connect the wires correctly
	3. No output voltage from the power supply	Remove the malfunctions of the power supply or replace the power supply
	4. Overvoltage damages the LEDs	The working voltage should be within $\pm 5\%$ of rated voltage. Overvoltage may damage the product. If the product is damaged, please replace the product
Some LEDs don't work	1. These products are not connected to power supply	Check the power supply and connect the wires correctly
	2. These products are reversely connected to the power supply	
	3. Some LEDs are damaged.	Replace LEDs.
Brightness of the LED is dim or not even	1. The power load exceeds the rated power of the power supply	Use the power supply with higher power or adopt the double-ended power up mode
	2. The wire loss of power supply is too much	1. Use thicker supply wires or more supply wires 2. Adjust the position of power supply; make sure the input voltage of each LED strip within the 90%-110% of the rated voltage
	3. Too much LED strips are connected	Adjust LED strip length for each chain to meet the maximum connectable length with single-ended power mode. The length is no longer than 5 meters
All LEDs are blinking	Intermittent connections occur at the power supply	Find the intermittent connections and remove any malfunctions
Some LEDs are blinking	Intermittent connections occur in the branch	Find the intermittent connections and remove any malfunctions