



Arbitrary Cutting COB LED STRIP

ST20Q480

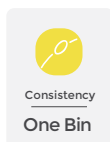
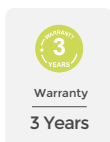
PRODUCT SPECIFICATION

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

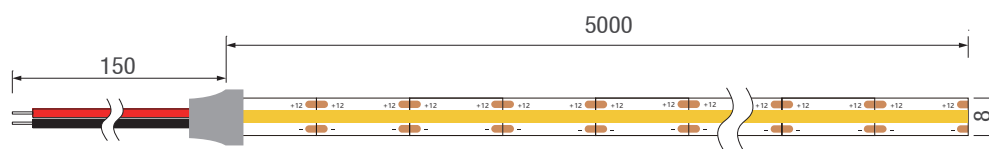
The largest emitting angle can reach to 180°.

Can be cut, and be free to cut off and weld along with the above cutting line.

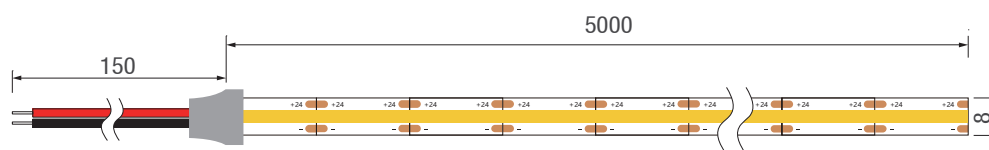


Dimension

COB-480-Single color-12V



COB-480-Single color-24V



Technical Data

Input voltage 12V/24V

CRI[Ra] ≥ 90

Bram angle 180°

Warranty 3years

SMD Type 480LEDs

Working hour 35000h

Working temperture -25 °C ~+45 °C

Cutttable length(MM) Arbitrary cutting

PCB Width(MM) 8

COB-480-Single color-12V

CCT (K)	CRI	SDCM	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CV
2700K±100	≥90	<5	DC12V	5	295	59	Arbitrary cutting	5	CV
				10	590				
				15	885				
3000K±150	≥90	<5	DC12V	5	340	68	Arbitrary cutting	5	CV
				10	680				
				15	1020				
4000K±250	≥90	<5	DC12V	5	345	69	Arbitrary cutting	5	CV
				10	690				
				15	1035				
6500K±300	≥90	<5	DC12V	5	365	73	Arbitrary cutting	5	CV
				10	730				
				15	1095				

COB-480-Single color-24V

CCT (K)	CRI	SDCM	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CV
2700K±100	≥90	<5	DC24V	5	285	57	Arbitrary cutting	5	CV
				10	570				
				15	855				
3000K±150	≥90	<5	DC24V	5	305	61	Arbitrary cutting	5	CV
				10	610				
				15	915				
4000K±250	≥90	<5	DC24V	5	310	62	Arbitrary cutting	5	CV
				10	620				
				15	930				
6500K±300	≥90	<5	DC24V	5	320	64	Arbitrary cutting	5	CV
				10	640				
				15	960				

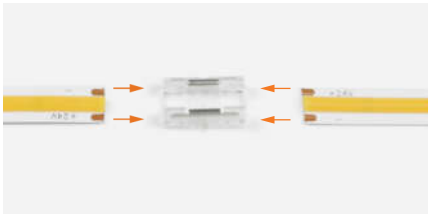
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
- All products can be dimmed; the dimmer's voltage should conform to the rated voltage of the led light. The output frequency of the dimmer of the constant-current led light should be less than 2K Hz, and the output PWM can control the led light.

Cable

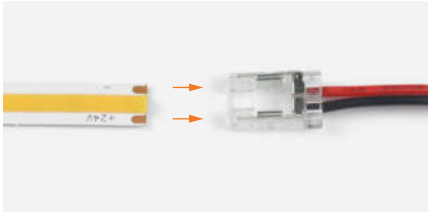
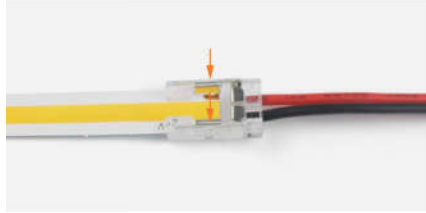
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		Inner core: 20AWG		Red V+·Black V-

Installation Instructions for Connector (Note:The overcurrent load limit of the connector is 3A.)

Strip to Strip



Strip to Cable

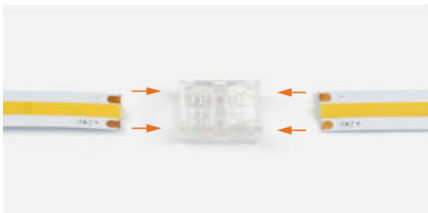


Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

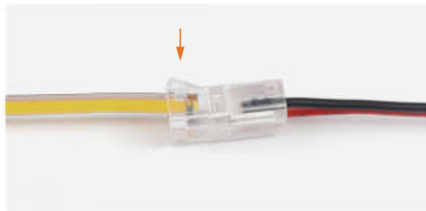
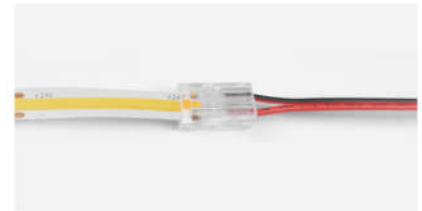
Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

Strip to Strip



Strip to Cable

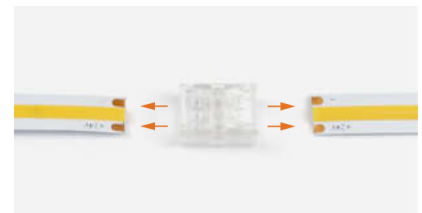


Open the mobile mask on the side of the connector. Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

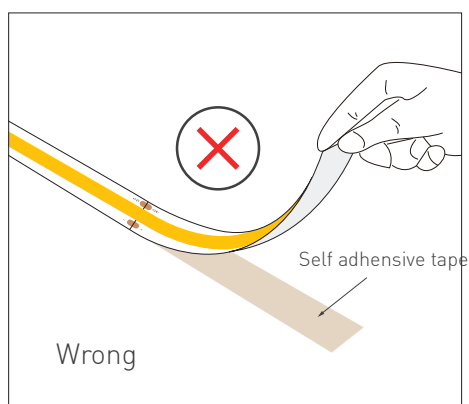
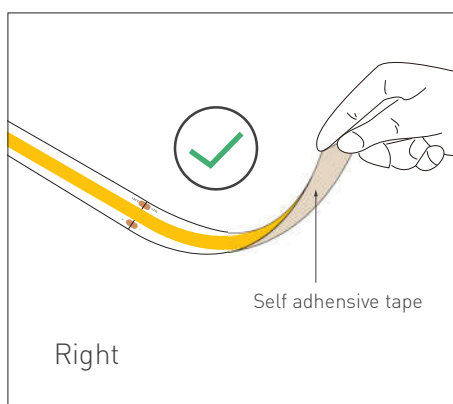
Press the connector's mask back in place so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

Instructions for removing connector

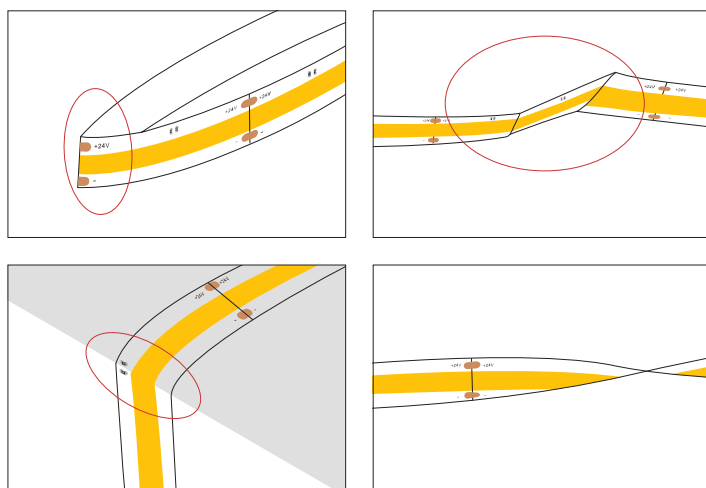


⚠ Cautions

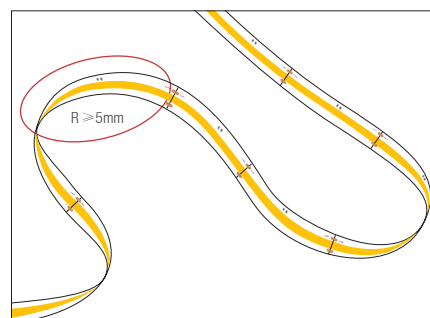


If the led strip needs to be torn up, please make sure that the self adhesive tape is torn with the led strip, otherwise the led strip will be damaged

When install the led strip, please note the installation technique. The led strip can be bent, but not distorted, as shown below.



Distortion(Wrong)



Bend(Right)

➤ LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out the LED strips.

➤ Clean up the installation surface, it will ensure the reliability of the adhesive. The electrical connection process must be operated by a professional person.

Connection Diagram

