Note : The pictures in the Product Specification are for reference only, please refer to the actual product.

PRODUCT SPECIFICATION

COB LED STRIP

COB TAPE FREE CUT 480

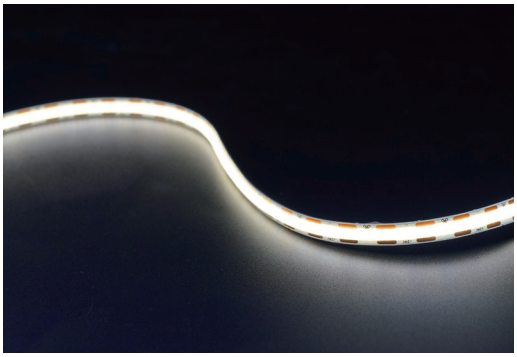
20Q480V24MINI-Cx

Super narrow cuttable length to support freely configurable in length for precise field installation.

SDCM ⩽ 3 to ensure color consistency.

180°beam angle, dimmable function.

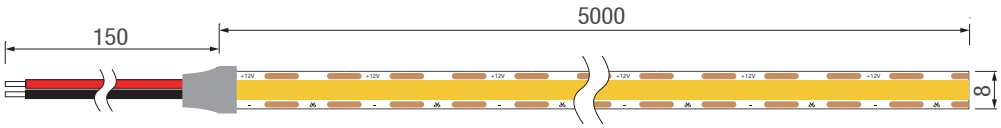
Higher density of LEDs, resulting in a brighter and more uniform light output.



Dimension structure (Unit: mm)

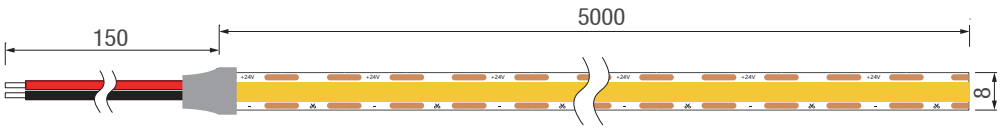
12V

20Q480V12MINI-Cx



24V

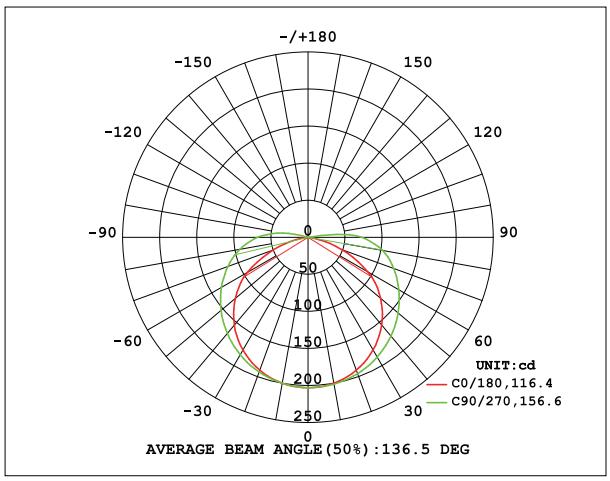
20Q480V24MINI-Cx



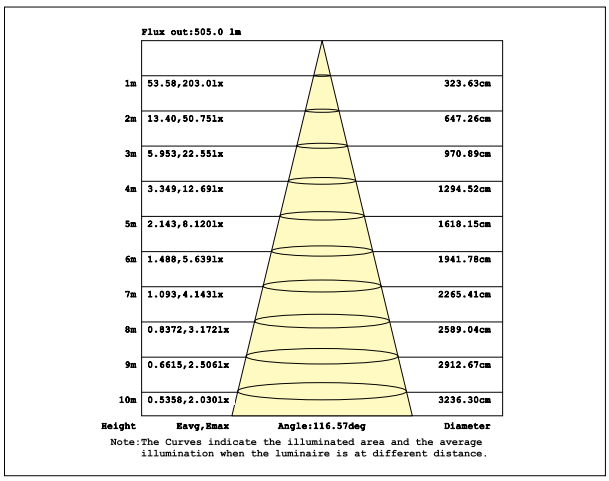
Technical Data	
Input voltage	12V/24V
RA	⩾90
Bram angle	180°
Warranty	5years

Led Bead Quantity	480LEDs
Working hour	50000h
Working temperture	-25℃~+45℃
Cuttable length(MM)	Free cutting
PCB Width(MM)	8

Light Distribution Curve



Illuminance curve



Note: The above date is based on 24V ,10W/M,single colour with 4000k colour temperature.If you need IES files for other types.Please contact our sales department.

COB-480-Single color-12V

CCT (K)	RA	SDCM	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CV/CC
2700	⩾90	<3	DC12V	5	335	67	Free cutting	5	CV
				10	670	67	Free cutting	5	CV
				15	1005	67	Free cutting	5	CV
3000	⩾90	<3	DC12V	5	365	73	Free cutting	5	CV
				10	730	73	Free cutting	5	CV
				15	1095	73	Free cutting	5	CV
4000	⩾90	<3	DC12V	5	400	80	Free cutting	5	CV
				10	800	80	Free cutting	5	CV
				15	1200	80	Free cutting	5	CV
6500	⩾90	<3	DC12V	5	360	72	Free cutting	5	CV
				10	720	72	Free cutting	5	CV
				15	1080	72	Free cutting	5	CV

COB-480-Single color-24V

CCT (K)	RA	SDCM	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CV/CC
2700	⩾90	<3	DC24V	5	335	67	Free cutting	5	CV
				10	670	67	Free cutting	5	CV
				15	1005	67	Free cutting	5	CV
3000	⩾90	<3	DC24V	5	365	73	Free cutting	5	CV
				10	730	73	Free cutting	5	CV
				15	1095	73	Free cutting	5	CV
4000	⩾90	<3	DC24V	5	400	80	Free cutting	5	CV
				10	800	80	Free cutting	5	CV
				15	1200	80	Free cutting	5	CV
6500	⩾90	<3	DC24V	5	360	72	Free cutting	5	CV
				10	720	72	Free cutting	5	CV
				15	1080	72	Free cutting	5	CV

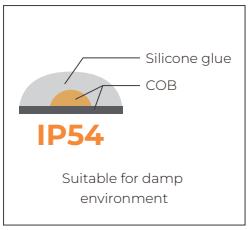
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
- All products can be dimmed; the dimmer’ s voltage 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-

WATERPOOF GRADE OPTIONS

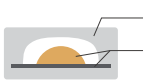
Silicone surface coating



IP54

Suitable for damp environment

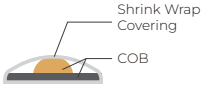
Hollow square co-extrusion



IP65

Suitable for humid environment

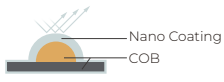
Shrinkable tube



IP65

Suitable for humid environment

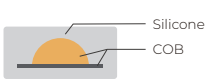
Nano Coating



IP65

Suitable for humid environment

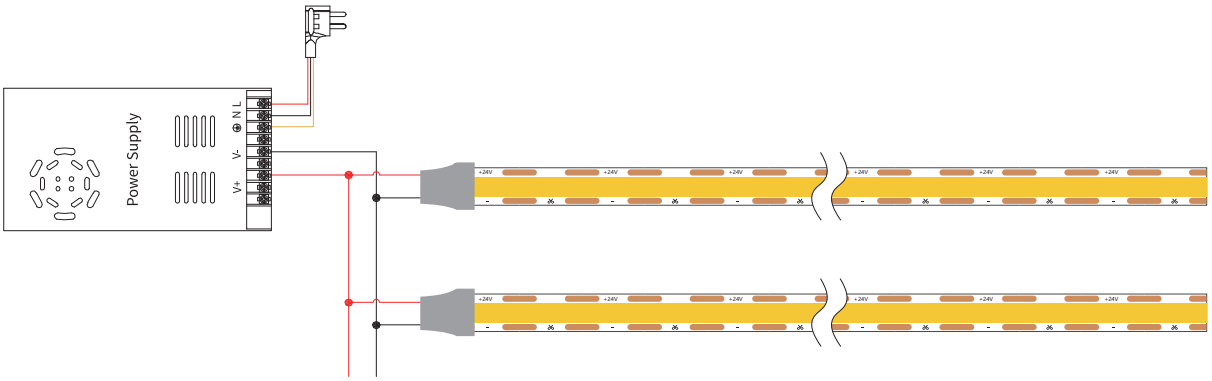
Solid dome co-extrusion



IP68

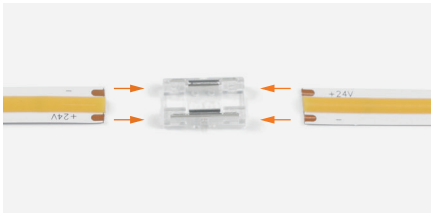
Suitable for outdoor or poolside environments

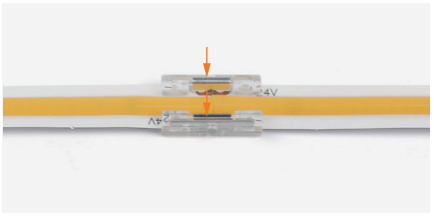
Connection Diagram



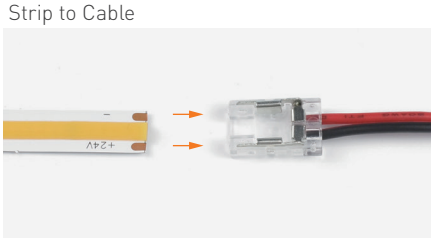
Installation Instructions for Connector (Note:The overcurrent load limit of the connector is 3A.)

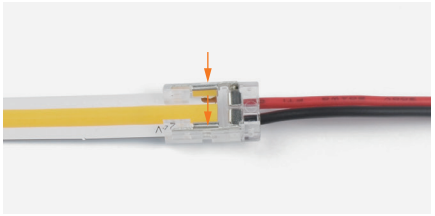
Strip to Strip

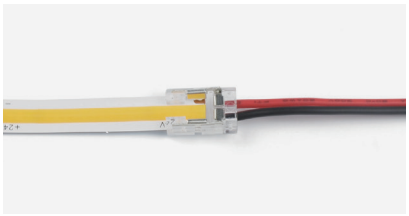




Strip to Cable





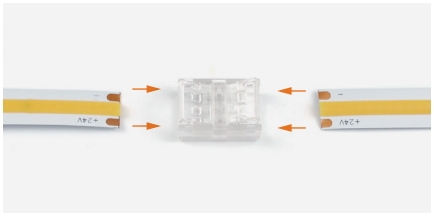


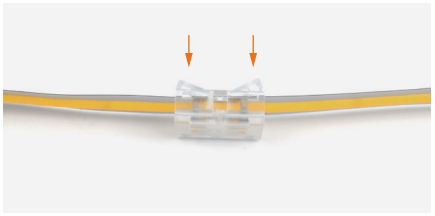
Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

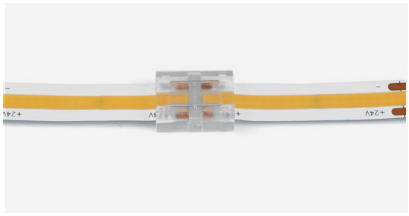
Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

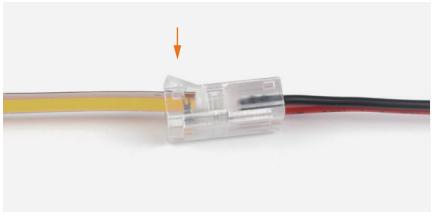
Strip to Strip

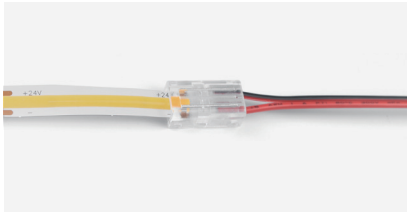






Strip to Cable



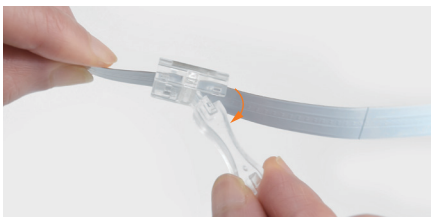


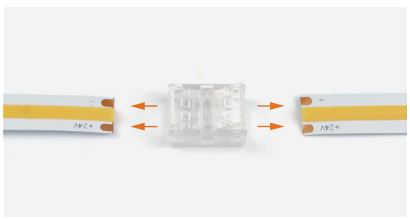
Open the mobile mask on the side of the connector. Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

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

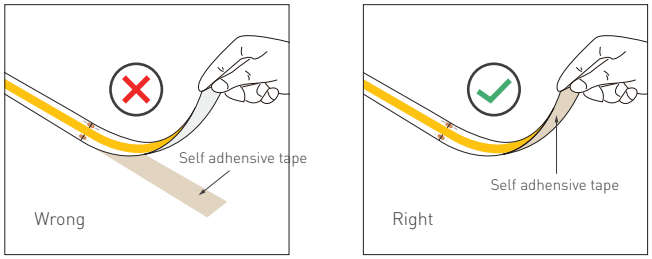
Finished product diagram.

Instructions for removing connector



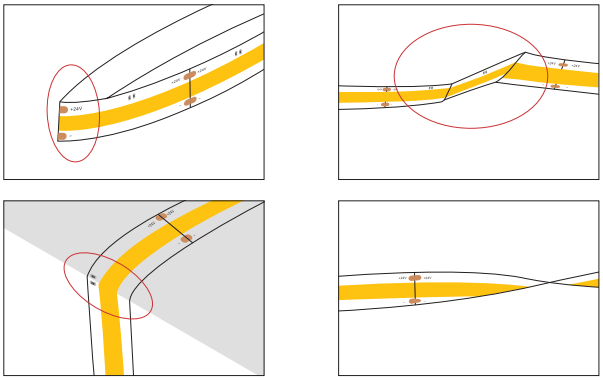


⚠ Cautions

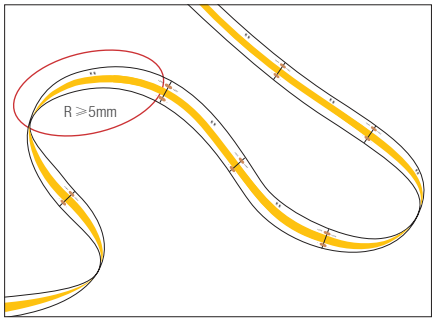


If the led strip needs to be torn up,please make sure that the self adhensive tape is torn with the led strip,otherwise the led strip will be damaged

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 votage 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.