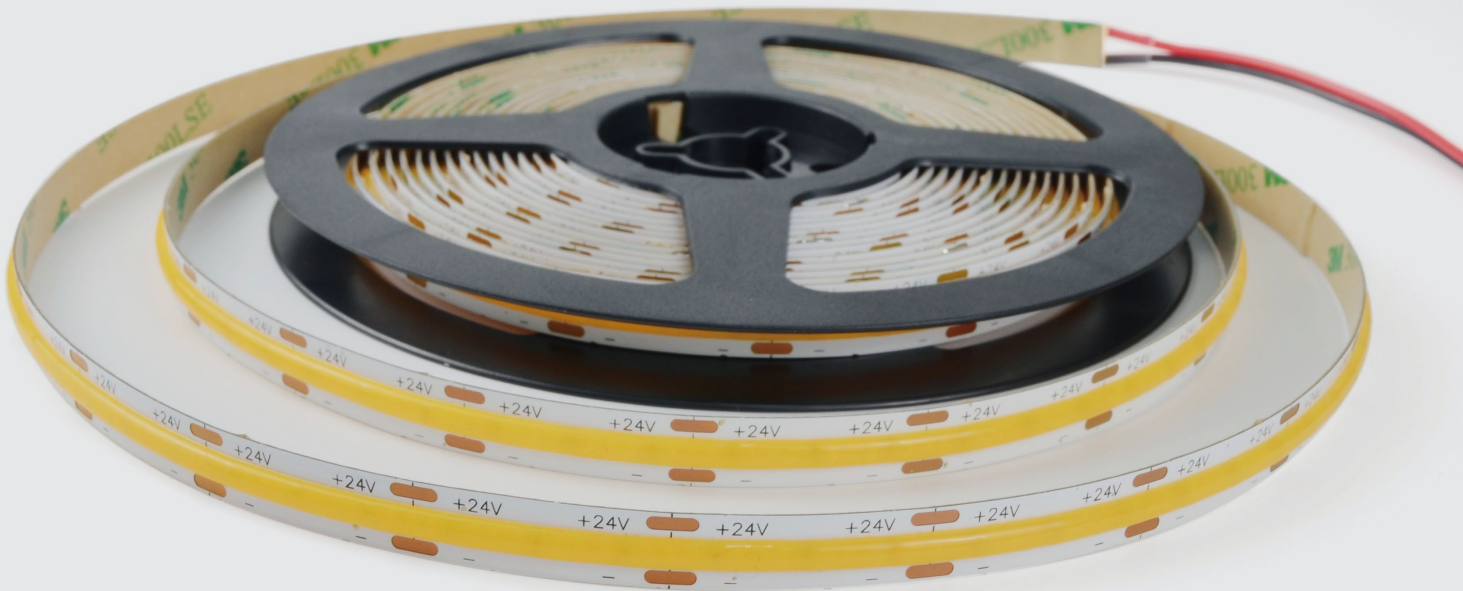




## COB STRIP SPECIFICATION

12V/24V 480Chips/m COB Strip



Note: ATLUX LIGHTING may change product specifications and installation guidance without prior notice.

# 12V/24V 480chips COB 8/10mm Strip



Part Number: LY480-COBRW30-W24-8MM-5W-IP20 → IP20/IP52/IP65/IP65H/IP67/IP68

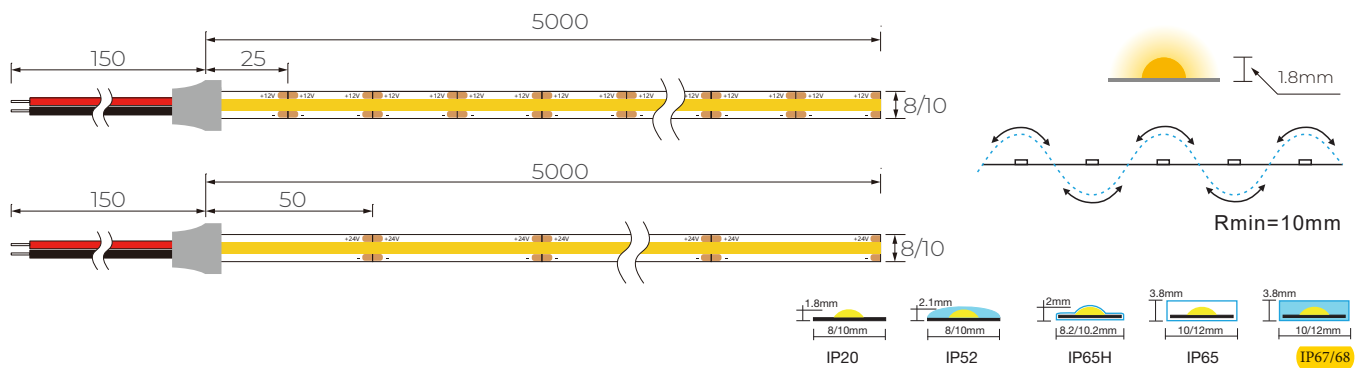


## Description

No spot, no shadow, soft light.  
SDCM≤3 to ensure color consistency.  
180°beam angle, dimmable function.  
Higher density of LEDs, resulting in a brighter and more uniform light.



## Dimensions & Waterproof

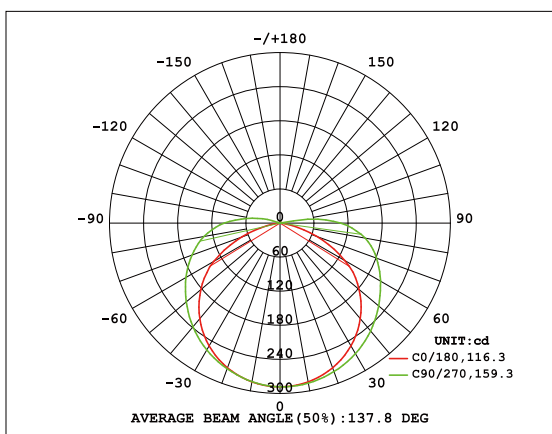


## Product Specification

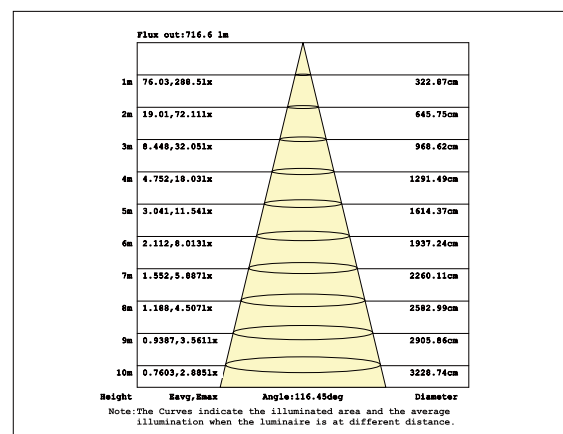
Dimension	5000x8/10x1.8mm
Chip Type	COB
Chips/m	480pcs
RA	≥90
Step Length	25/50mm

Voltage(V)	DC12V/DC24V
Warranty	5years
Power(W/m)	5/10/15
Beam Angle	180°
Operation Temperature	-25°C~50°C/100°C

## Light Distribution Curve



## Illuminance curve



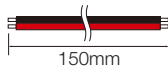

Note: The above data is based on 24V, 10W/M, single colour with 4000k colour temperature. If you need IES files for other types, please contact our sales department.

## Product Photometrics

CCT(K)	RA	SDCM	voltage (V)	Power (W/M)	Lumen (lm/m)	Efficacy (lm/w)	Unit cut (MM)	Max.run length(M)	CV
2700±100	≥90	<3	12V/24V	5	535	107	25/50	5	CV
				10	1070	107	25/50	5	CV
				15	1605	107	25/50	5	CV
3000±150	≥90	<3	12V/24V	5	575	115	25/50	5	CV
				10	1150	115	25/50	5	CV
				15	1725	115	25/50	5	CV
4000±250	≥90	<3	12V/24V	5	625	125	25/50	5	CV
				10	1250	125	25/50	5	CV
				15	1875	125	25/50	5	CV
6500±300	≥90	<3	12V/24V	5	600	120	25/50	5	CV
				10	1200	120	25/50	5	CV
				15	1800	120	25/50	5	CV

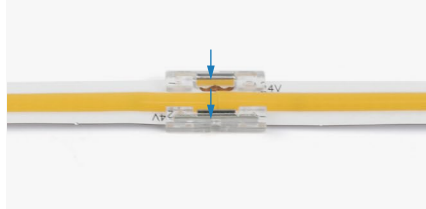
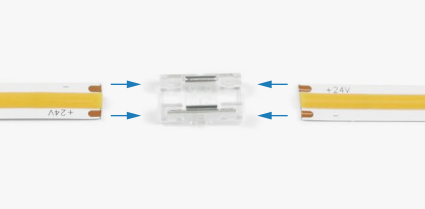
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
- All products can be dimmed; the dimmer's voltage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

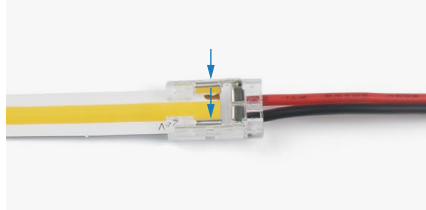
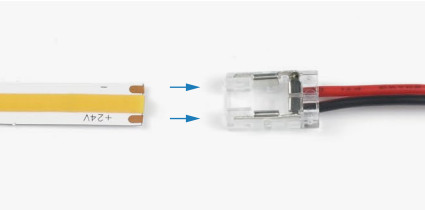
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		Inner core: 20AWG		Red V+, Black V-

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

Strip to Strip



Strip to Cable

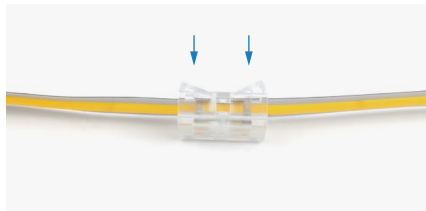
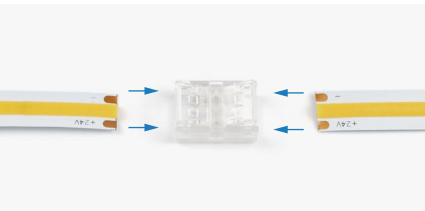


Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

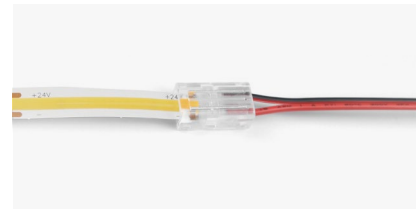
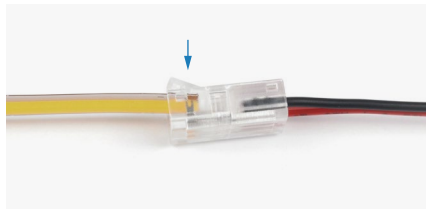
Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

Strip to Strip



Strip to Cable

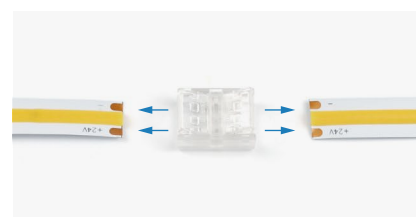
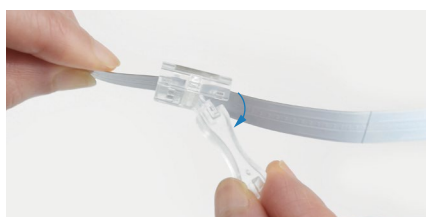


Open the mobile mask on the side of the connector. Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

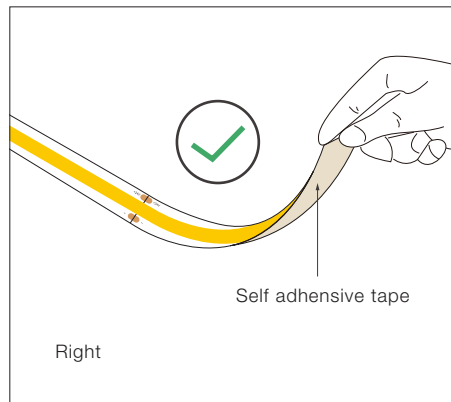
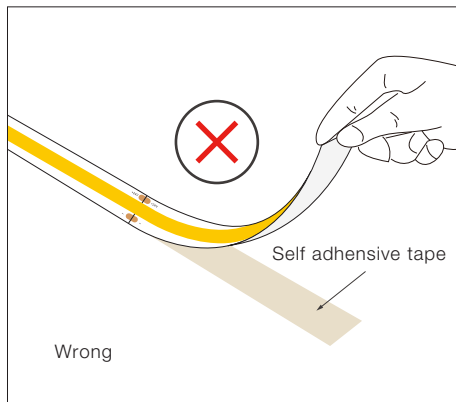
Press the connector's mask back in place so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

## Instructions for removing connector

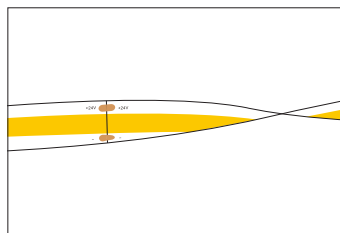
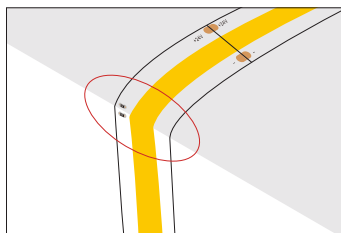
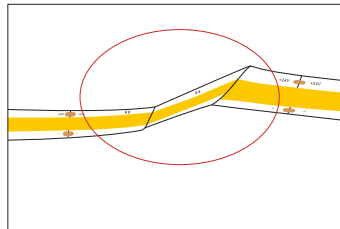
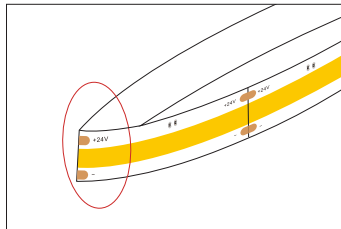


## Cautions

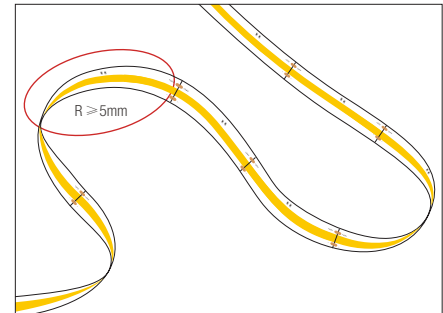


If the led strip needs to be torn up, please make sure that the self adhesive tape is torn with the led strip, otherwise the led strip will be damaged

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



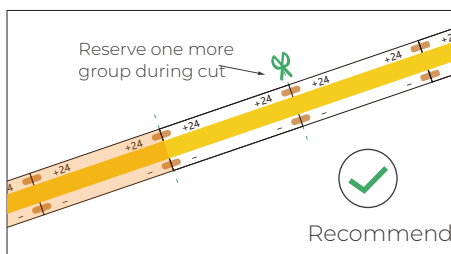
Distortion(Wrong)



Bend(Right)

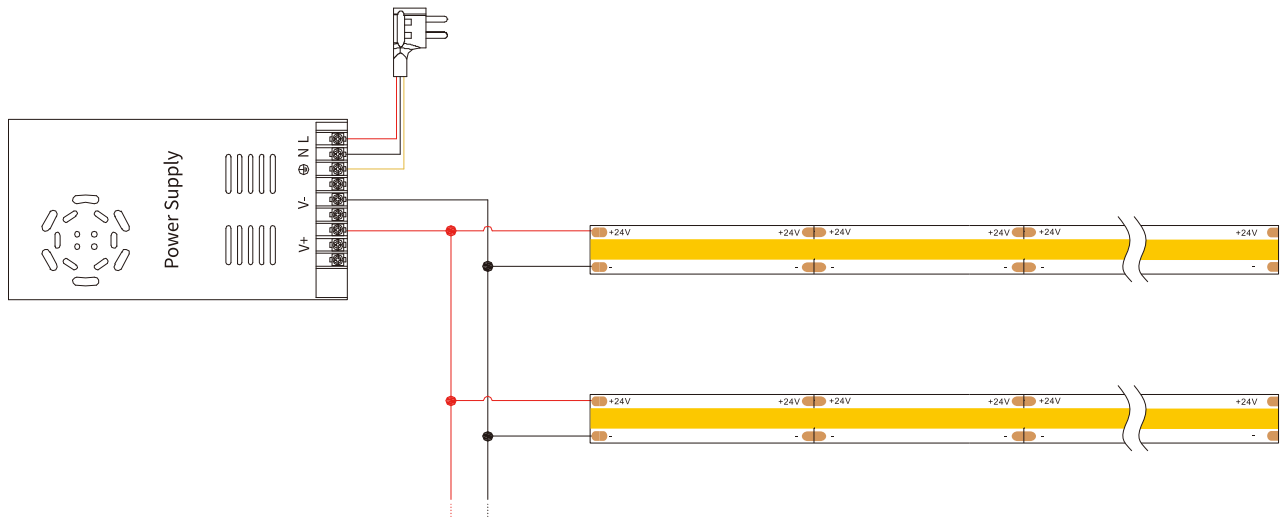
➤ LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out the LED strips.

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

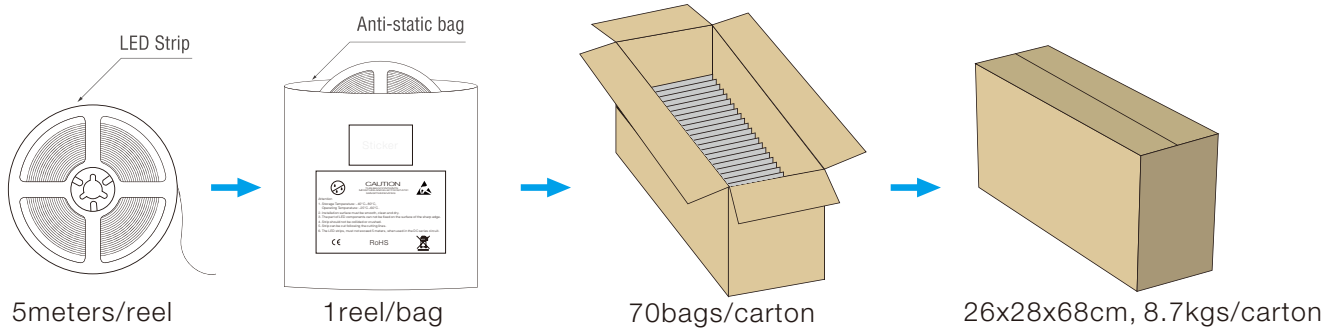


Due to the high density of chips, it is easy to damage the chip or circuit by mistake when cutting. It is recommended to reserve one more group during cut, to prevent insufficient length caused by cutting problems.

## Connection Diagram



## Packing Information (Data base on IP20)



## Precautions for use

1. To protect the LED light strip, do not hit the light-emitting area with hard things.
2. After unpacking, please use in 24H to avoid the oxidation effect of solder joints.
3. Avoid direct contact with high temperature objects in the light-emitting area of the lamp, and the instantaneous contact temperature of the surface of the light-emitting area should be less than 210 °C.
4. The soldering iron temperature should be less than 300° during soldering, and the soldering time of single solder should be controlled within 3s.
5. It is strictly forbidden to twist the lamp with short distance. The single lamp strip (0.5 m) has a maximum twist angle of 720°.



6. The bend diameter at any position needs to be greater than 1cm.

