

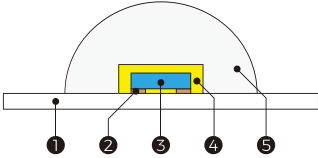
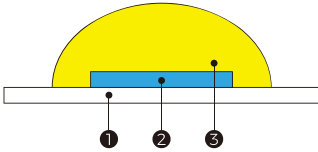
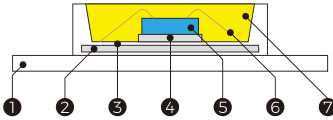


COB STRIPS

What is COB Strips?

COB Strips are flexible LED light strips that use Chip-on-Board (COB) technology. Unlike traditional LED strips, COB strips have many tiny LED chips packed closely together, creating a smooth and even line of light with no visible dots. They are perfect for modern lighting, decoration, and places where you want soft, continuous illumination.

CSP VS COB VS SMD STRIP

Items	COB	CSP	SMD
Structure			
Structure	<div>CSP LED<ul style="list-style-type: none">① FPCB② Metal plate③ Chip④ Phosphor glue⑤ Silicone</div>	<div><ul style="list-style-type: none">① FPCB② Chip③ Phosphor glue</div>	<div><ul style="list-style-type: none">① FPCB board② Frame③ Electrode④ Ag paste⑤ Chip⑥ Gold wire⑦ Phosphor glue</div>
Production Process	The CSP LEDs are mounted on the flexible PCB and coated with a milky silicone layer.	The blue chips are bonded to a flexible PCB and coated with phosphor glue.	The SMD LEDs are mounted on the flexible PCB
Color Consistency	★ ★ ★	★ ★	★ ★ ★ ★
Efficiency	★ ★	★ ★	★ ★ ★
Anti-bending Resistance	★ ★ ★ ★	★ ★	★ ★ ★
Brightness per LED	★ ★	★ ★	★ ★ ★ ★
Vulcanization Resistance	★ ★ ★ ★	★ ★ ★ ★	★ ★
Application Suggestion	Ideal for applications requiring high-quality white or mixed color linear lighting.	Offers higher production efficiency and cost benefits for linear white lighting.	Perfect for lighting applications that demand high efficiency and brightness.

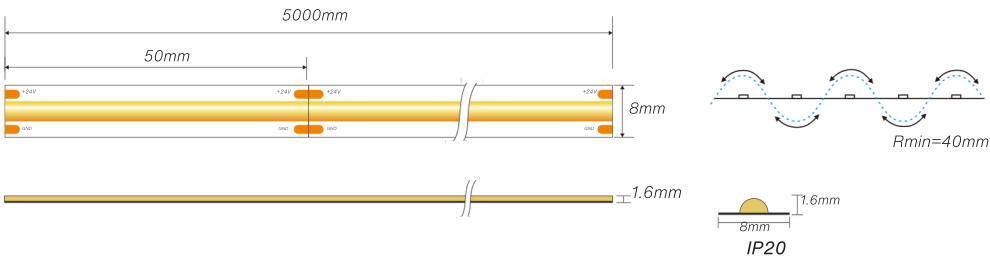


Description

Cob led strip, dotless, no hot spot.
24V, Step length: 50mm
with 3M adhesive tape on the back for easy installed.
180° beam angle. Very good color reproduction with CRI>90.



Dimensions & Waterproof



Product Speciation

Dimension	5000x8x1.6mm	Voltage(V)	DC24V
Chip Type	COB	Current(A/m)	0.42A
Chips/m	480pcs	Power(W/m) Beam	10W/m
Step LEDs	24pcs	Angle Operation	180°
Step Length	50mm	Temperature	-20℃ - 45℃

Product Photometrics

CCT(K)	Lumen(lm/m)	Efficacy(lm/w)	CRI	Power
3000K	850	85	Ra90+	10
4000K	950	95	Ra90+	10
6500K	1000	100	Ra90+	10

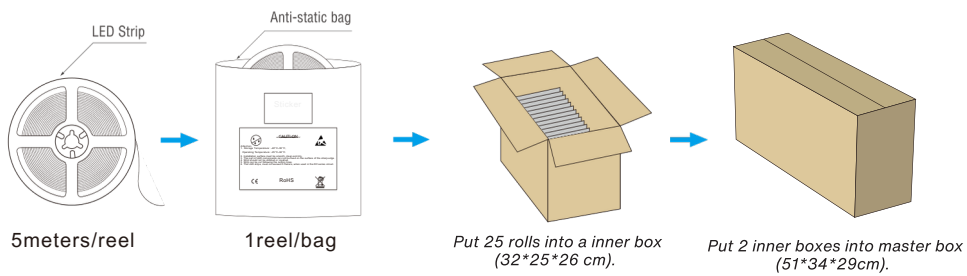
* the given electrical data reflect typical values, each can vary up to 10%.

Applications

* Residential lighting, decorative lighting.



Packing Information (Data base on IP20)



Precautions for use

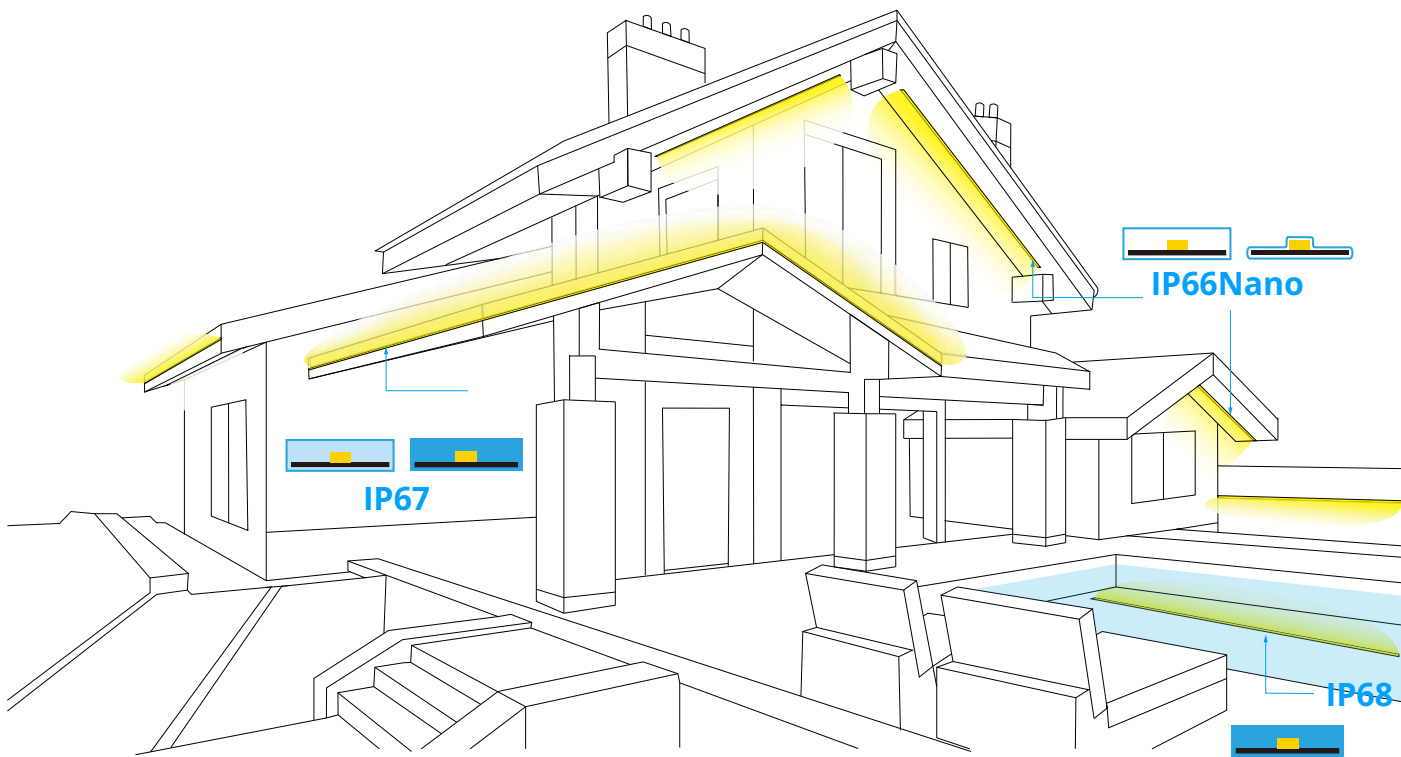
1.To protect the LED light strip, do not hit the light-emitting area with hard things. 2.After unpacking, please use in 24H to avoid the oxidation effect of solder joints. 3.Avoid direct contact with high temperature objects in the light-emitting area of the lamp, and the instantaneous contact temperature 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.



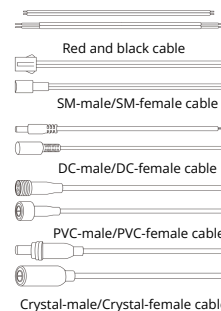
IP APPLICATIONS



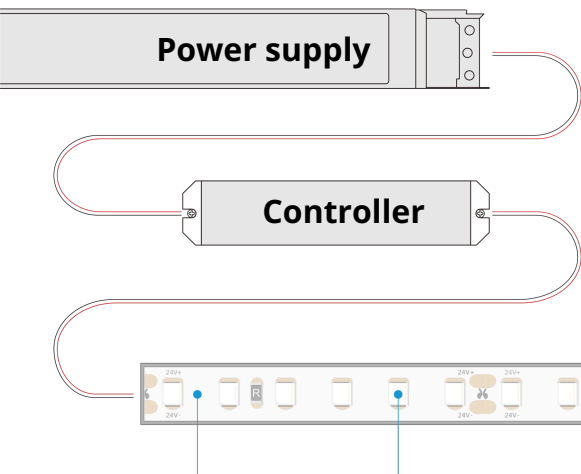
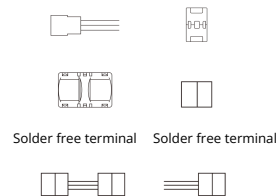
IP PROCESS

IP Rate	Structure	Description	Application
IP20	<p>Bare Led Strip</p>	Non-waterproof	Indoor Use
IP66Nano	<p>Empty Inside Heat Shrink Tube Led Strip</p>	Heat Shrink Tube	Semi-outdoor Raining Environments E.g. Porch, Eaves
IP67	<p>Silicone Tube Empty Inside Led Strip</p>	Silicone Tube Extrusion	Outdoor Use
IP68	<p>Silicone Extrusion Led Strip</p>	Silicone Extrusion	Under Water Within 2 Meters Deep.

Cables



Connector



LED Strip

LED

Installation

3M 3M 3M 3M

Stick-on



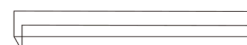
Heat Sink



Profile



Clip



PC carrier

CRI > 80

CRI > 90

CRI > 95

1900 K 2300 K 2700 K 3000 K 3500 K 4000 K 5000 K 6000 K R G B

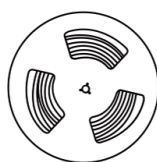


ONE BIN
SDCM<3

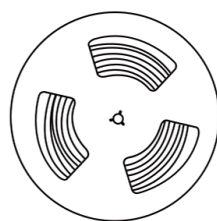
Various options, optional ordering,
Customizable CCT & BIN

Various models available, customize
your LED strip as needed

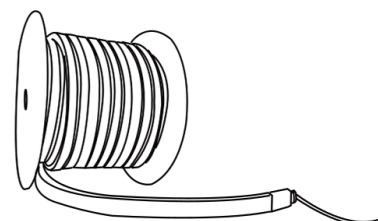
Package



5m/reel

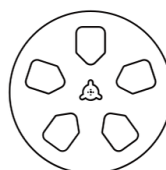


50m/reel



50m/reel

Environmentally friendly packaging

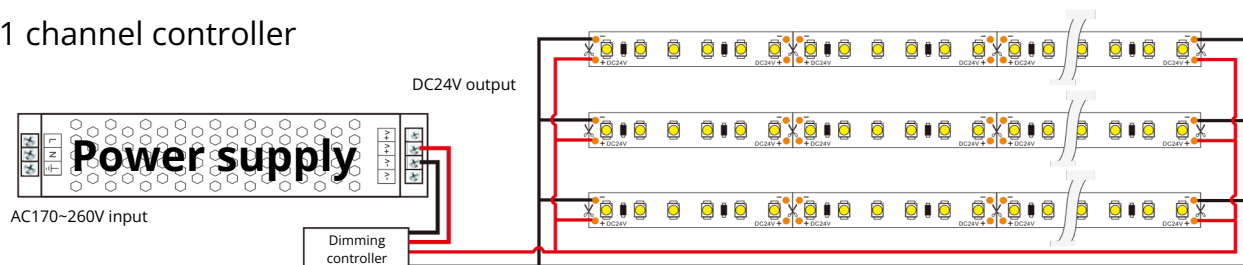


CONNECTION DIAGRAM



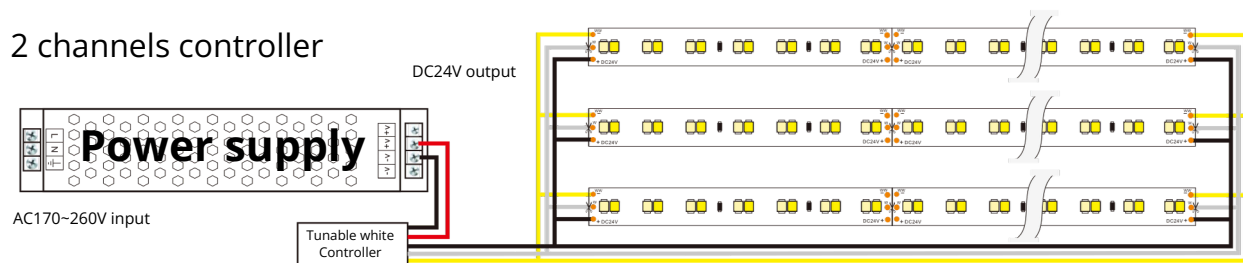
Single Color Strip

1 channel controller



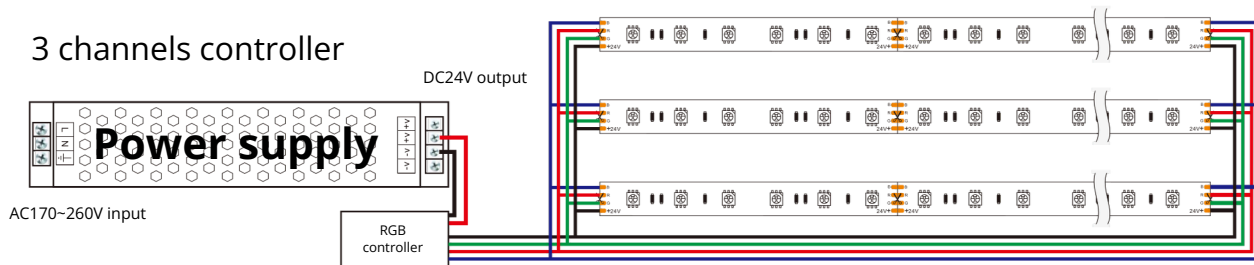
Tunable White Strip

2 channels controller



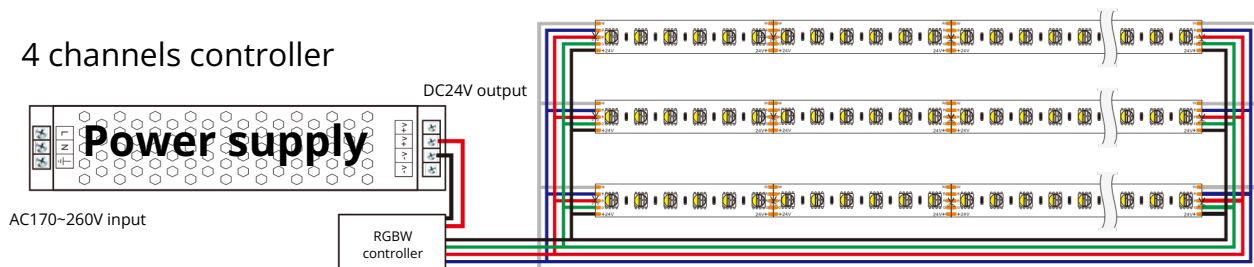
RGB Color Strip

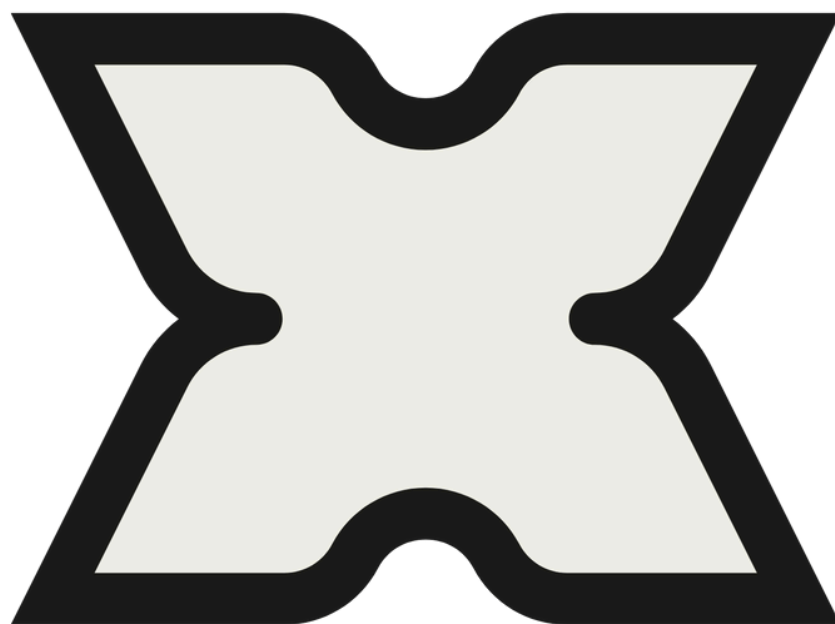
3 channels controller



RGBW Color Strip

4 channels controller





THANK YOU