



IP20 LED STRIP

Model : ST-LD-COB-84169-21W-RGBWW-IP20-840



Ip20

IK08

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24V COB 840 led/m 12mm led strip

Picture :



Key Feature

- ❖ 840 leds are arranged linearly, integrated and packaged, with uniform light color and no light spots
- ❖ High thermal conductivity flexible circuit board design, can be bent at will, easy to install
- ❖ LED chip is directly mounted on FPC, the beam angle can reach 180 degrees
- ❖ DC24V constant voltage design, safe low voltage, small voltage drop, standard cascade 5 meters
- ❖ Highly viscous thermally conductive double-sided adhesive on the back, easy to install, firm and durable
- ❖ LED light source, energy-saving and environmentally friendly, in line with ROHS environmental standards
- ❖ This product has been certified by CE、CB、RoHS、UL、ETL etc.

Application

This product is suitable for home decoration: engineering projects, buildings, hotels, shopping malls, indirect lighting, dark trough lighting, decorative lighting, etc.

Warranty

The standard warranty is 3 years.

Coding description Ex : ST-LD-COB-XXXX-21W-XX-IP20-840

LD	FV	24	12	840	COB	21	RGBCW-8	65
							XX	
1	2	3	4	5	6	7	8	9

1	LD	Company (LED DOMIAN)			
2	FV	FV: Constant voltage , FC: Constant current, FS: Set			
3	24	Voltage:	24:24V.....		
4	12	FPC width:	12: 12mm.....		
5	840	LED qty:	840:840 leds.....		
6	COB	LED type:	COB.....		
7	21	Power:	21: 21W		
8	RGBCW-8XX	CRI:	8: 80;	9: 90	U: 95
9	65	CCT:	27: 2700.....6500K.....		

Optical Parameters

PN	LED	CCT (K/nm)	CRI	SDCM	Beam Angle (°)	LEDs/m	Wavelength/ Lumen (nm/lm/m)	Voltage (V)	Current (mA/m)	Power (W/m)	FPC Width (mm)	Mini-cut (mm)	Standard Length (M)
ST-LD-COB-XXXX-21W-XX-IP20-840	COB	R	80	/	180°	840	622nm	24V	875mA	21W	12mm	35.71mm	5m
		G					525nm						
		B					465nm						
		2700					295lm/M						
		6500					375lm/M						

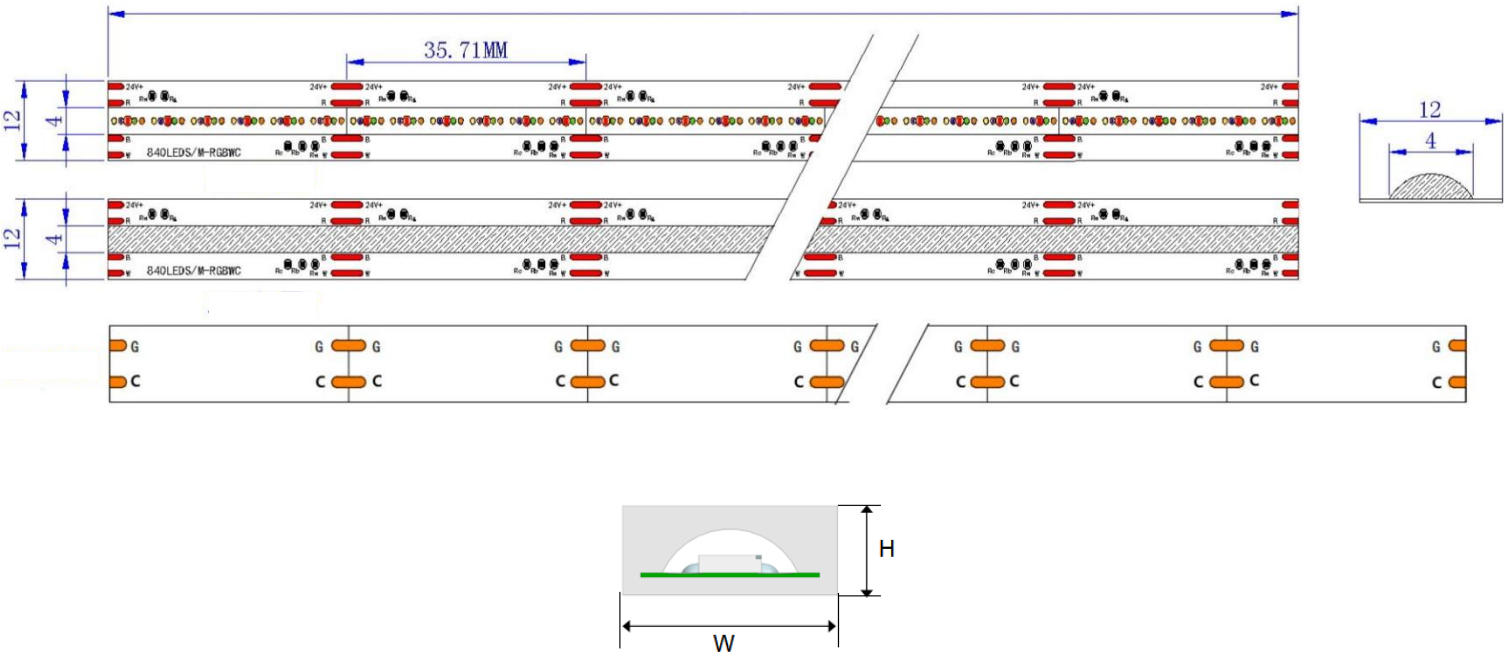
Others:

PN	Ingress Protection	Working Temperature (°C)	Storage Temperature (°C)	Meter/Reel	Max Run(m)	Weight (g/m)
ST-LD-COB-XXXX-21W-XX-IP20-840	IP20	-25~+60	-25~+70	5	5	/

Remark:

- (1) The environmental temperature of the test is 25 ± 2 ° C;
- (2) The above data is a typical value. The actual parameters of the product may be different from the typical data; if the data is changed, it will not be notified separately;
- (3) The above "/" represents that the parameters do not require.
- (4) The color temperature in the specification book is not reflected in the actual value, power, light flux, and light efficiency of ±10%;

Product Size :



PN	Picture	Length/roll(L/mm)	Cable length(L1/mm)	Cutout L2(mm)	H(mm)	W(mm)
ST-LD-COB-XXXX-21W-XX-IP20-840		5000±20	150	35.71	3.0	12

Installation diagram:

- 1、 Before installing this product on a surface, make sure the surface is clean.
2. The installation method for products with 3M double-sided tape is as follows. If you need a clip, please purchase it separately.

(1)Take the light strip off the reel;

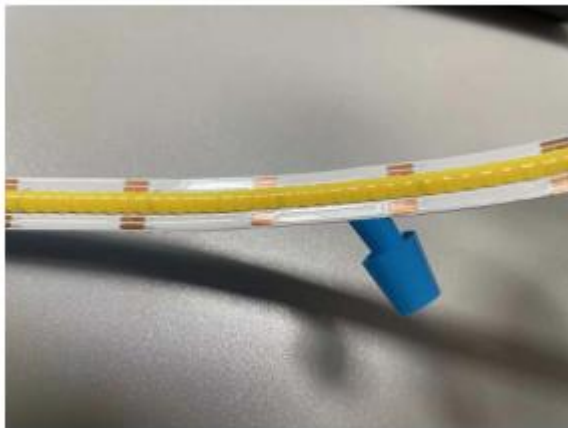
(2)Peel off the release paper of the double-sided adhesive on the back of the light strip. (As shown in Figure 1)

(3)Place the product tightly against the installation surface in sequence. (As shown in Figure 2)

(Figure 1) Remove the release paper

(Figure 2) Paste on the mounting surface

Tear off the adhesive backing of the bare tape
and stick it into the slot

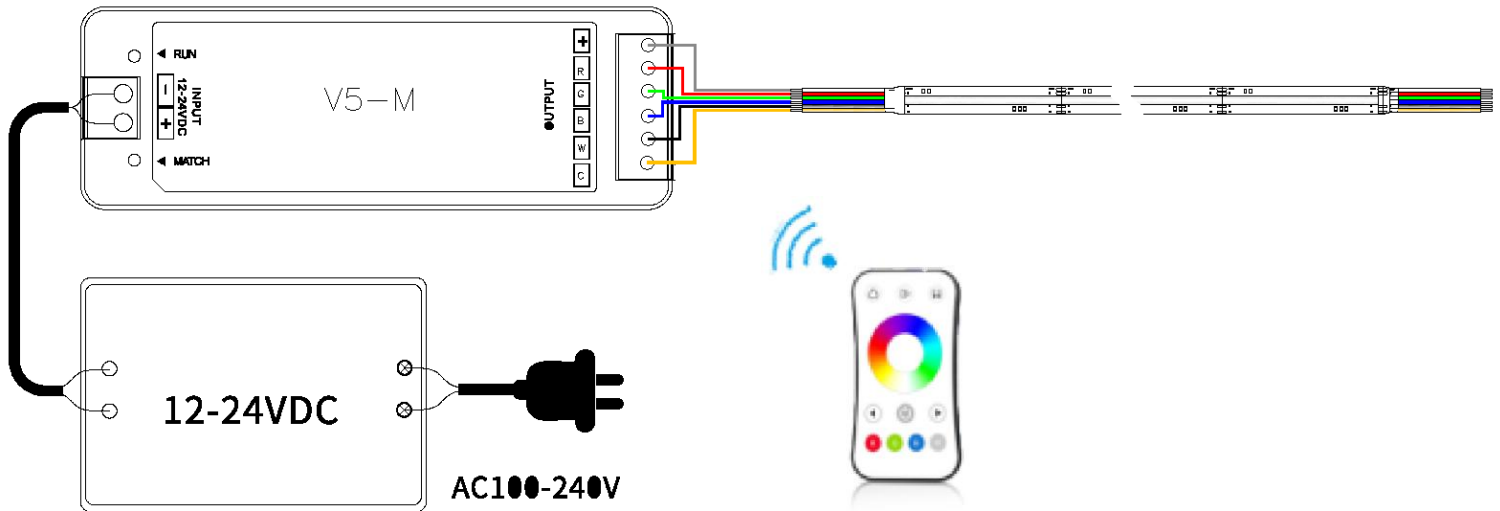


Paste on the cleaned mounting surface



Electrical connection diagram :

Diagram: Power supply+controller+led strip



Installation and use precautions:



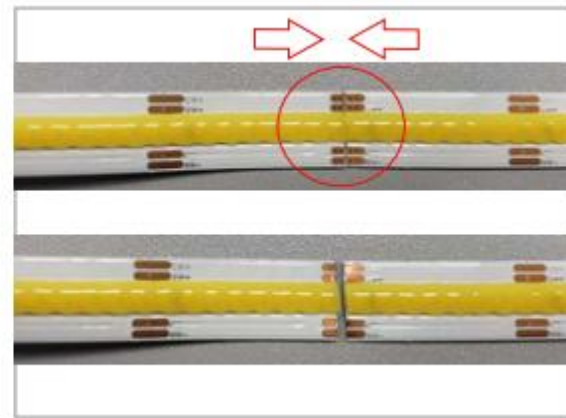
No Pressing



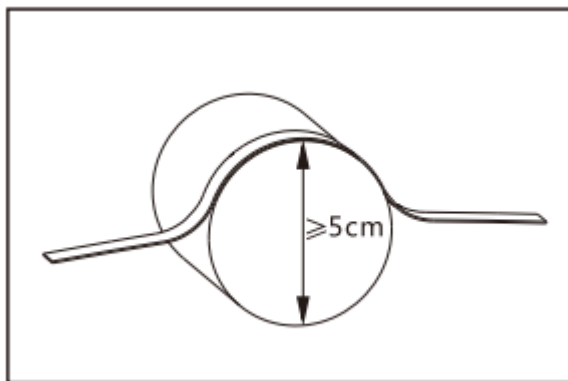
Crop position



No tearing it apart at once



Welding



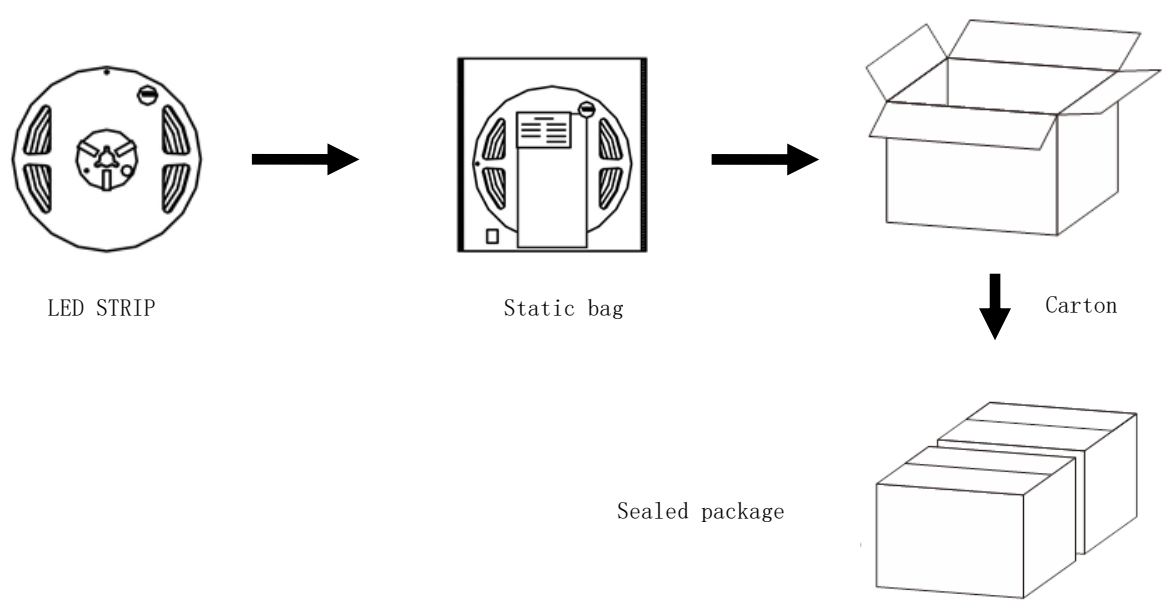
Minimum bending diameter

Note: When the bending operation, please follow the above icon bending range. The corner angle is too small to cause damage to the product.

Packing information :

Name	PN	Qty/roll (m)	Qty/carton (m)	Total weight (Kg)	Carton size (mm)		
					L	W	H
IP20 Led Strip	ST-LD-COB-XXXX-21W-XX-IP20-840	5	200	<20	550	550	240

EXAMPLE :



Common faults and troubleshooting methods:

Failure phenomenon	Possible Causes	Solution
All lights are off	1. No power connection	Connect the power supply
	2. The power supply is automatically protected when the output terminal of the switching power supply is open or short-circuited	Troubleshoot and reconnect power
	3. The polarity of the power supply terminal of the light strip is reversed	Check the wire connection status to ensure that the positive and negative poles are connected correctly
Only part of the lights are off	1. Part of the switching power supply is not powered	Check the power supply system and troubleshoot
	2. There is an error in the power supply line of some light strips	
	3. The polarity of some light strips is reversed	Correct wiring
The LED brightness is not uniform or the brightness is not enough	1. The power is overloaded	Replace the power supply with more power according to the load
	2. The switching power supply circuit loss is too large or the loss of each circuit is very different	Ensure that the working voltage of the light strip is within $\pm 5\%$ of the rated voltage 1. Shorten the length of the power cord and light strip, or use a wire with a larger diameter; 2. Ensure that the number of light strips on each street is less than or equal to the maximum allowable length, and make the length of each light strip close
	3. Too many light strips are connected in series	Adjust the length of the light strip of each power supply branch. Ensure that the length of the light strip of each power supply loop is within the maximum allowable range.
LED blinking	1. Problem with the connection point contact	Find out the poor contact point and eliminate the fault.
	2. Switching power supply failure	Replace the switching power supply

Notice



- Connect to the power supply in accordance with national regulations.
- If the external flexible cable of this illuminates damaged, it shall be exclusively replaced by the manufacturer or a similar qualified person in order to avoid any hazard.
- installation/maintenance only by skilled personnel.
- during overhaul/maintenance only use original parts.
- If any luminaire is subsequently modified , the person responsible for the modification shall be considered the manufacturer.
- The manufacturer bears to liability for damage caused by inappropriate use or application.