

Model: ST20Q420V24-RGB

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# COB LED STRIP

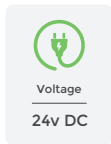
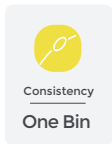
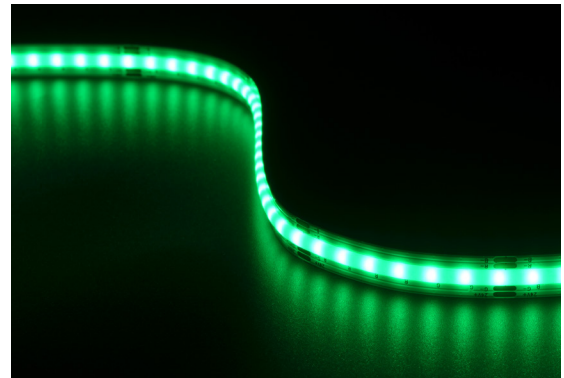
PRODUCT SPECIFICATION

No spot, no shadow, soft light.

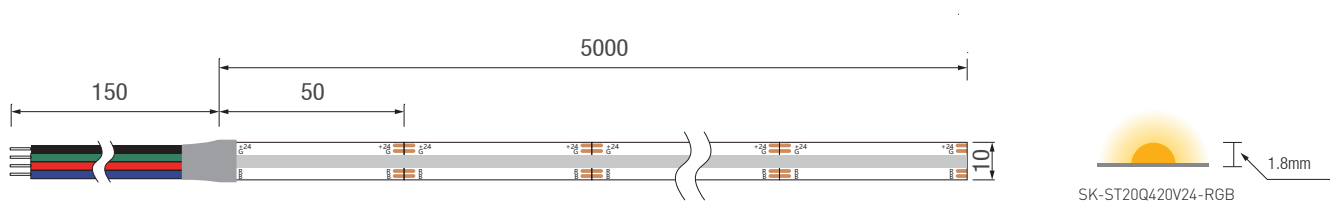
The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

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



Technical Data	
Input voltage	24V
Bram angle	180°
Warranty	3years
LEDs / M	420LEDs



SMD Type	COB
Working hour	35000h
Working temperture	-25 C ~+45 C
Cutttable length(MM)	50
PCB Width(MM)	10

SK-ST20Q420V24-RGB

CCT (K)	Wave length (NM)	SDCM	Energy efficiency class	Voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CV
R	620-630	/	/	DC24V	7.4	162.8	22	50	5	CV
G	520-530	/	/	DC24V	3.4	340	100	50	5	CV
B	450-460	/	/	DC24V	4	56	14	50	5	CV
RGB	/	/	/	DC24V	15	555	37	50	5	CV

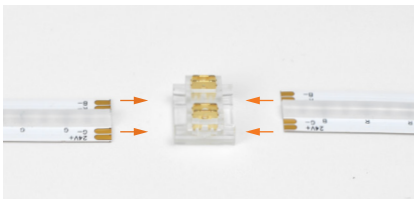
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.
- All products can be dimmed; the dimmer's voltage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

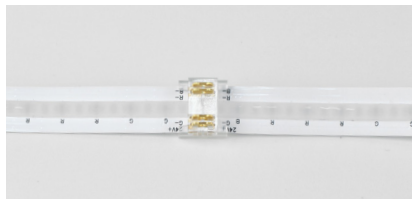
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
PVC Cable		Inner core: 24AWG		Black V+, Green G, Red R, Blue B

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

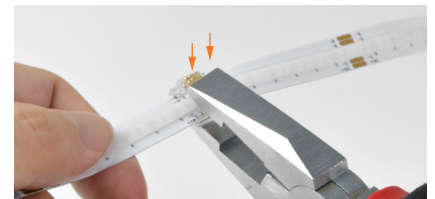
### Strip to Strip



Insert the strip into the connector.



And make sure the pad of the strip is in full contact with the pin on the connector.

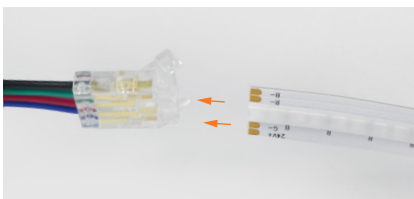


Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

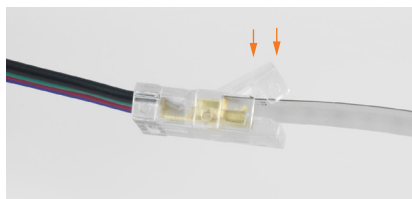


Finished product diagram.

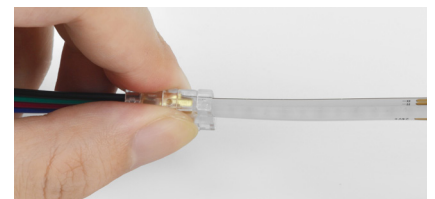
### Strip to Cable



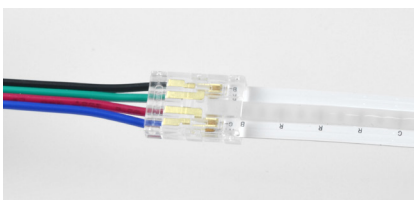
Insert the strip into the connector.



And make sure the pad of the strip is in full contact with the pin on the connector.

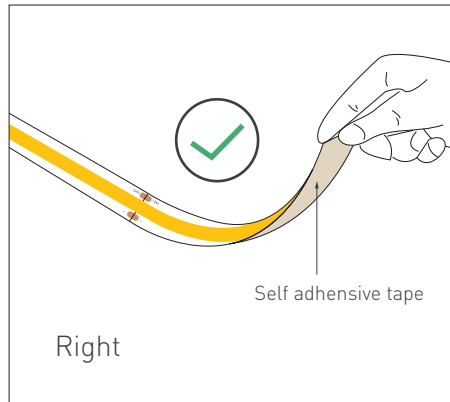
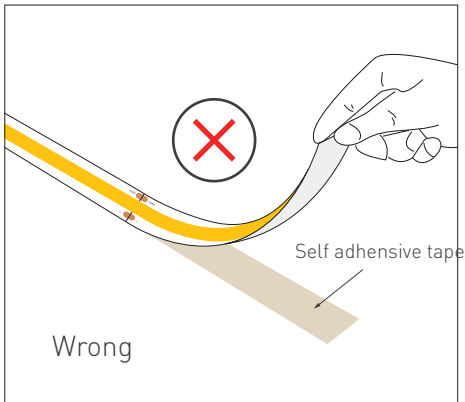


Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.



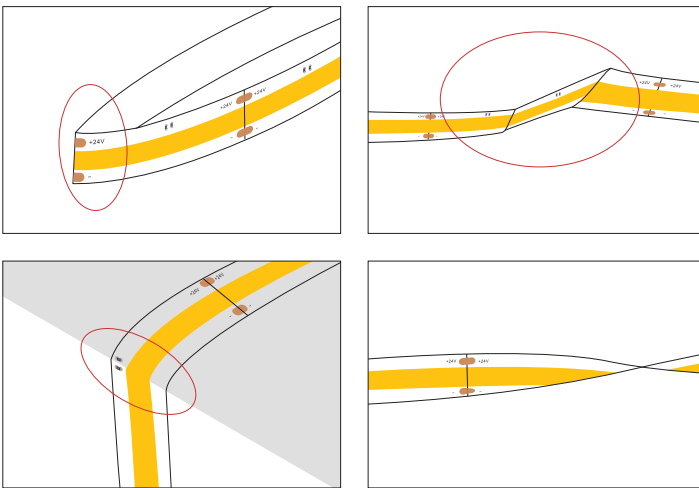
Finished product diagram.

 Cautions

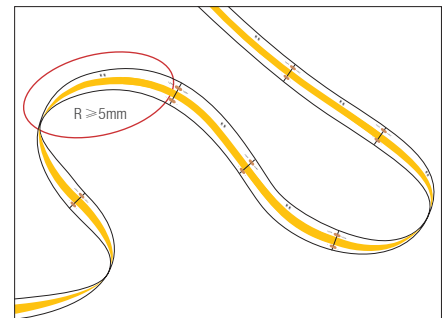


If the led strip needs to be torn up, please make sure that the self adhesive tape is torn with the led strip, otherwise the led strip will be damaged


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.

### RGB Connection Diagram

