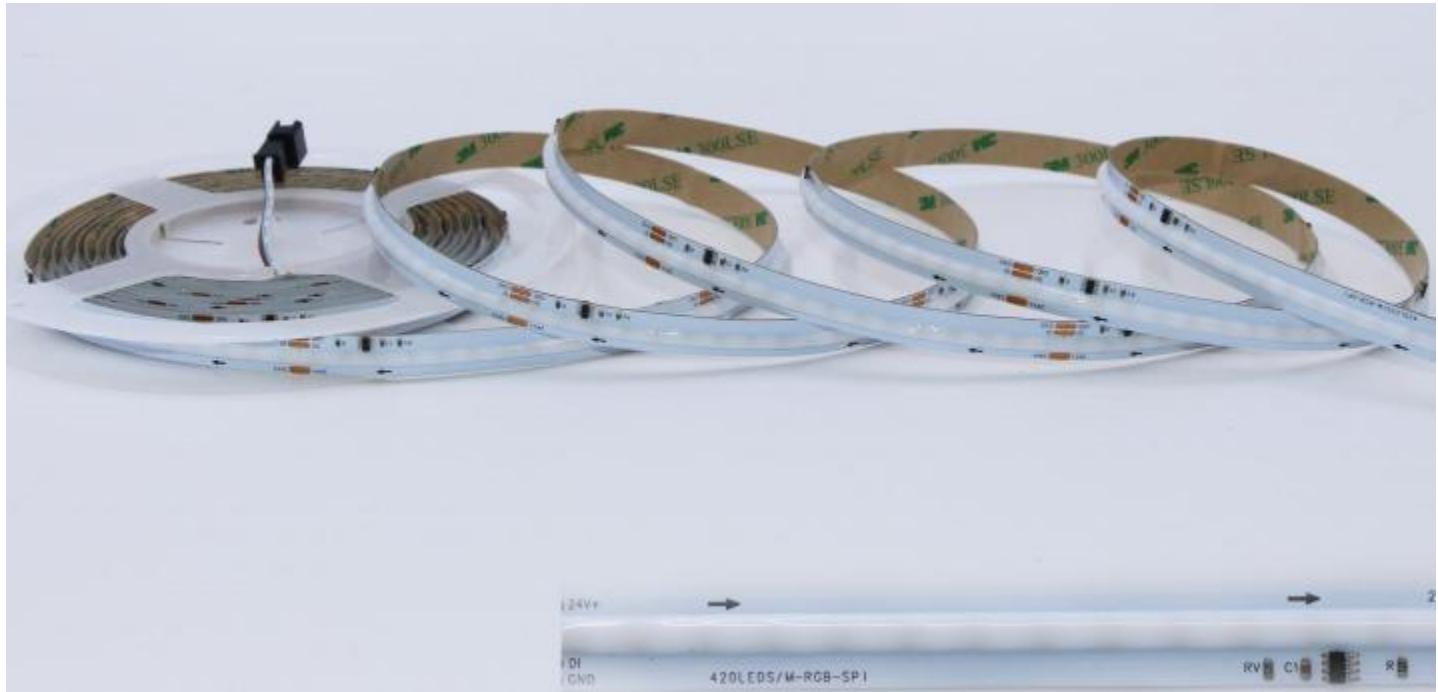


# specification

## COB-RGB, color soft light belt series



**Productname:LEDlightstrip**

**Productmodel:420L**

**Output:5V-36V, 5.0A, 60.0W**

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Color light control table

CRI

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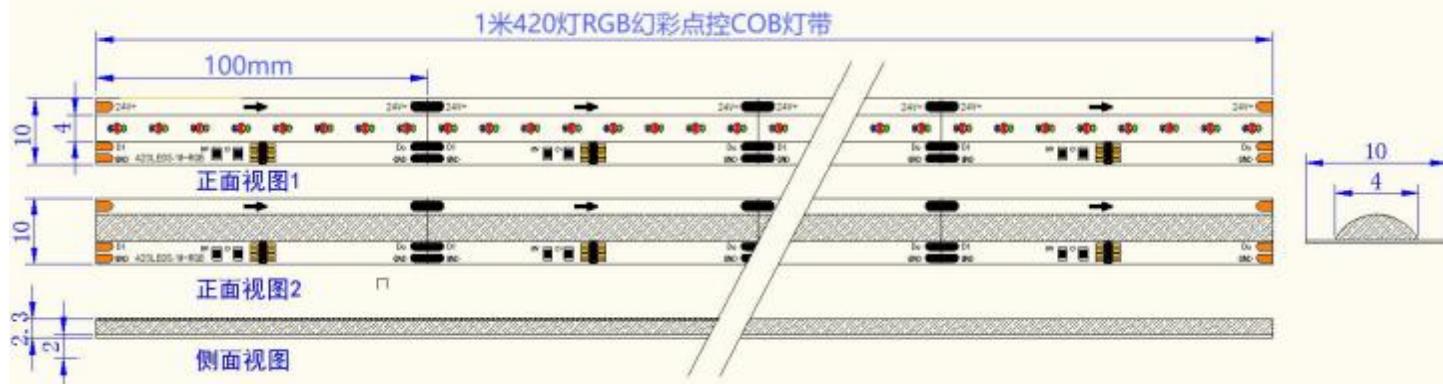
Ra80+  
Ra90+

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## Product Overview:

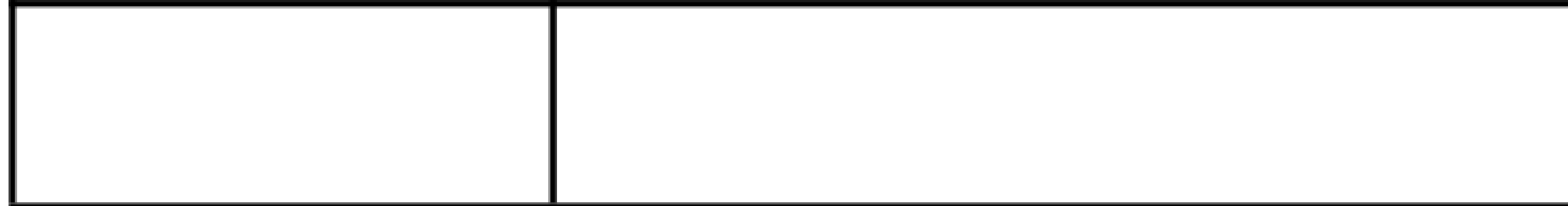
- 1,420 chips linear arrangement, integrated packaging, uniform light color, no light spot;
- 2, high thermal conductivity flexible circuit board design, can be bent at will, convenient installation;
3. LED chip is directly mounted on FPC, and the luminous Angle can reach 180 degrees;
- 4, DC24V constant voltage design, safe low voltage, small pressure drop, standard cascade 5 meters;
- 5, the back paste high viscosity thermal conductivity double-sided adhesive, convenient installation, paste firm and lasting;
- 6, LED light source, energy saving and environmental protection, in line with ROHS environmental protection standards.

## Outline dimension diagram (in MM)

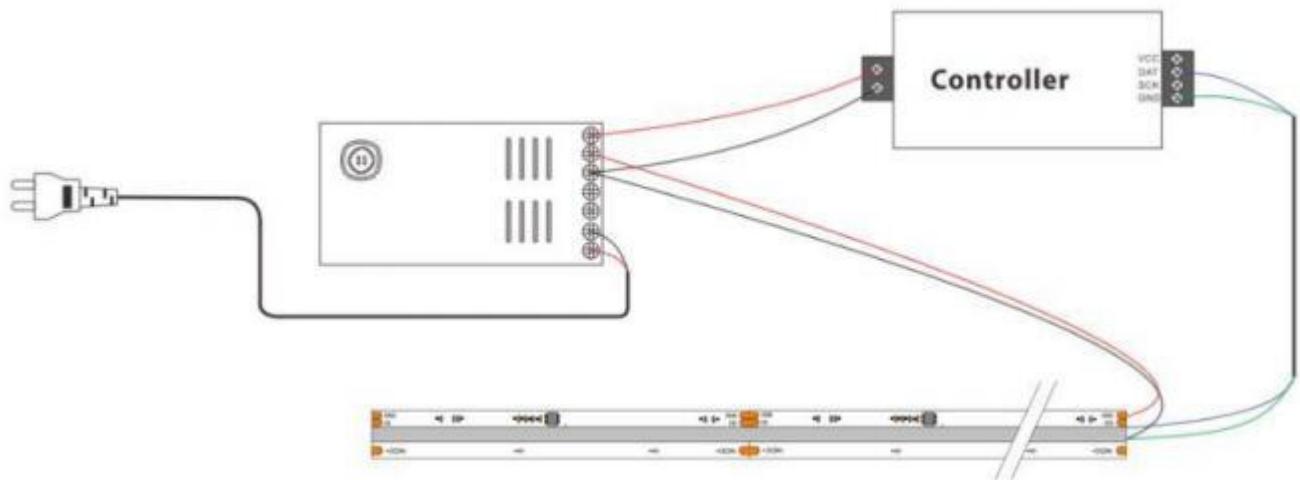


## Product photoelectric parameters

input voltage	DC24V (WS2811 SPI control)	outline dimension	5000*10*2.3MM
Power per meter	10W / M (RGB fully bright)	Number of light sources	420PCS/M
PCB board material	Double-sided FPC 18 / 18 copper	fixed form	High-adhesive double-sided back adhesive
pigment		Cut length	100MM
	Red, green, blue, magic color	Cascade length	> 5 Meters
Outline way	Dual-end 15CM RGB bus aircraft head	classification of waterproof	IP20



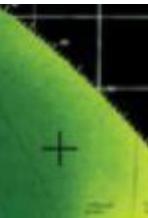
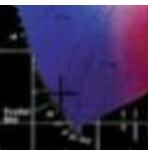
## Schematic diagram of the installation wiring



- \* Ensure that the total power of the lamp strip is less than 80% of the power output power.
- \* When connecting, align the polarity on the PCB board

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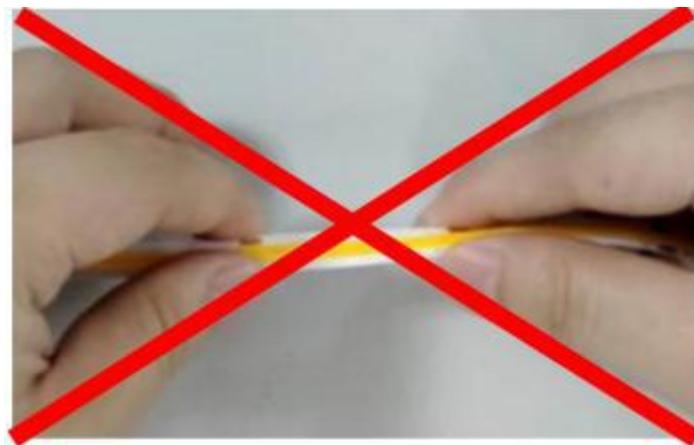
## color gamut

pigment	Main wavelength ( $\pm$ 5 NM)	Color scale diagram
red	622NM ( $\pm$ 5NM)	
hispid arthra xon	525NM ( $\pm$ 7. 5NM)	
blue	456NM ( $\pm$ 5NM)	

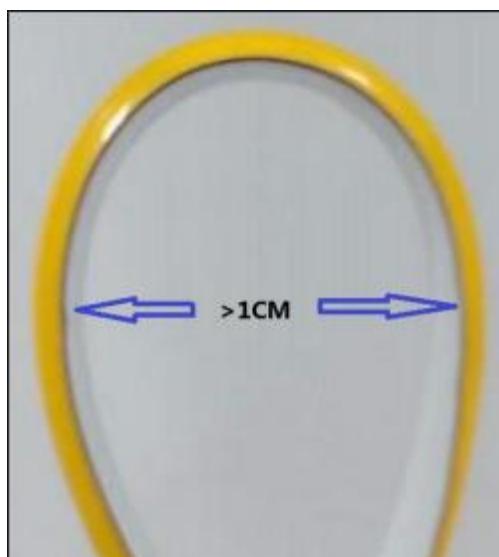
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## Notes for product installation and use:

- (A). In the installation process, sharp objects should avoid touching the surface of the lamp belt, so as not to damage the colloid and cause bad;
- (B). Avoid to avoid the luminous area colloid contact with high temperature objects, so as not to burn the colloid, affect the linear effect;
- (C). Select DC24V voltage power supply, select the appropriate power according to the number of light strips to be installed; each The total power of the lamp strip driven by the station power supply shall be less than 80% of the rated power of the power supply;
- (D). It is strictly prohibited to bend or twist the lamp belt at a short distance, so as not to damage the tape or damage the internal electrical structure of the chip;



- (E). It is recommended that the arbitrarily bent diameter should be  $> 1\text{CM}$ :



Pay attention to  
waterproof, moisture  
-proof!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

#### Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.