Product Specification

D25 LED Neon Light Strip



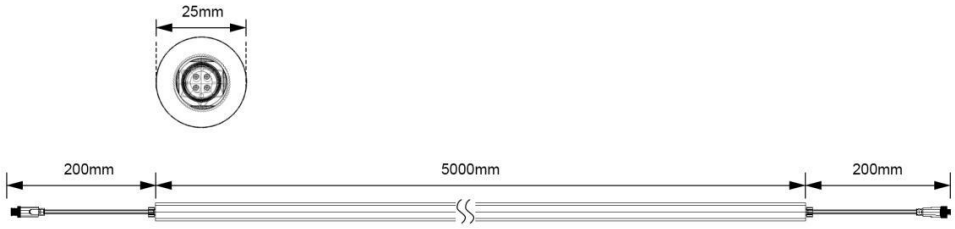
深圳市晨亮光电科技有限公司

Shenzhen Clen Optoelectronics Co., Ltd

1、Basic information

- **Product name:** D25 LED Neon Light Strip
- **Overview：** This product is with low-voltage DC power supply, double-sided lamp beads emit 360 ° light, no light spots, soft light effect, can be built into different shapes, can also be used for straight line lighting. It is widely used in various decoration and urban night scene fields.

2、LED Neon Light Strip Size

Size	5m
Parameter	

Note: All dimensions are in mm. When the tolerance is not clearly marked, the default tolerance is ±2mm.

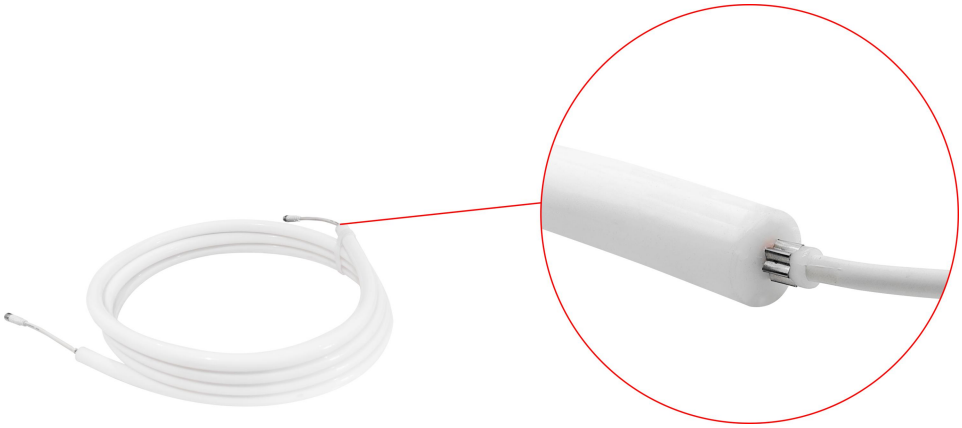


3、Parameter list (1M)

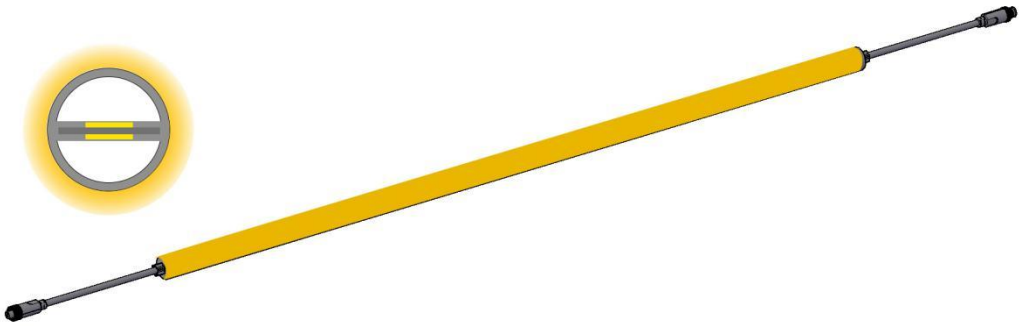
Parameter	Unit	Min	Typical	Max
Working voltage	V	–	24	–
Max power	W	–	–	28
Pixel	PCS	–	10	–
LED Type	–	–	2835RGB	–
LED Quantity	PCS	–	240	–
IC	–	–	UCS1903	–
Control Mode	–	–	SPI	–
Product weight(5M)	KG	–	3	–
Product dimensions	MM	–	25	–
Channel	–	–	RGB	–
Operating temperature	℃	-20	–	50
Beam angle	Deg	–	360	–
IP Grade	–	–	IP65	–
Bending radius	MM	50	–	–
Product color	–	–	White/Black	–

4、Features

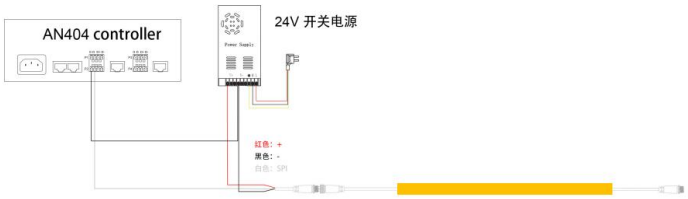
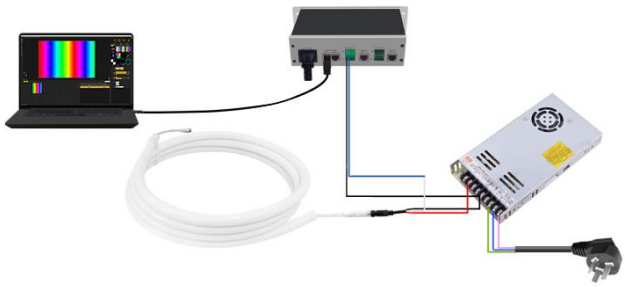
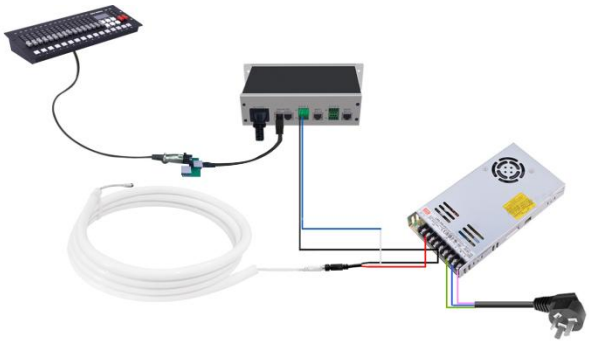
- SPI single signal transmission, serial transmission, and stable signal;
- Supports SPI control;
- The plug is made of one-piece injection molding, which has a more stable structure and stronger tensile resistance;



- With flexible printed circuit board (FPC) which is flexible;
- 360-degree illumination with no dark areas, supporting 256 grayscale levels;



5、Control mode and wiring

Picture	Description
	**Connect the neon light strip to the controller:** When the neon light strip is connected to the controller, an external power supply is required to power the light strip (the light strip and the controller share the negative pole)
	**Art-Net mode:** Software connects to the controller to control the neon strip;
	**DMX mode:** The console is connected to the controller to control the neon light strip;

6、 Application Scenario

- Stage performances: Enhance visual impact, enhance the enjoyment and artistic appeal of the performances;
- Nighttime exhibitions: Enhance the fun and enjoyment of nighttime tours;
- Nightclub lighting: Create a unique atmosphere;
- Exhibition wall decoration: Enhance the display effect and artistic appeal of the exhibition walls.



Precautions Precautions

1. **Pre-reading:** Before installation, be sure to read the product manual carefully to fully understand the installation process, safety regulations and operating details to avoid operational errors due to missing information.

(1) When the light strip exceeds 2 meters in length, installation requires two operators.Vertical suspended laying is strictly prohibited.

(2) The bending angle of the light strip shall not be less than 90°; folding is forbidden.

(3) Cutting of the light strip is strictly prohibited.

(4) Do not drop, impact or trample the light strip. Dragging the light strip by pulling its wires is not allowed.



2. Power Supply: Use a power supply that matches the rated voltage of the product (DC24V). Do not connect a DC12V/DC24V light strip directly to an AC220V power supply. Doing so will instantly burn out the led lamp, causing damage to the device and posing a safety hazard.

3. Power supply method: When the series length of the light strip exceeds 5 meters, the "simultaneous power supply at both ends" method must be adopted to effectively avoid problems such as uneven brightness and flickering at both ends of the light strip due to the voltage drop, ensuring the overall stable use effect.

4.Equipment placement: Switching power supplies and controllers must be placed separately and independently. Stacking them is strictly prohibited. Stacking will result in poor heat dissipation, potentially causing overheating, shortening the equipment's service life, and even creating safety risks.