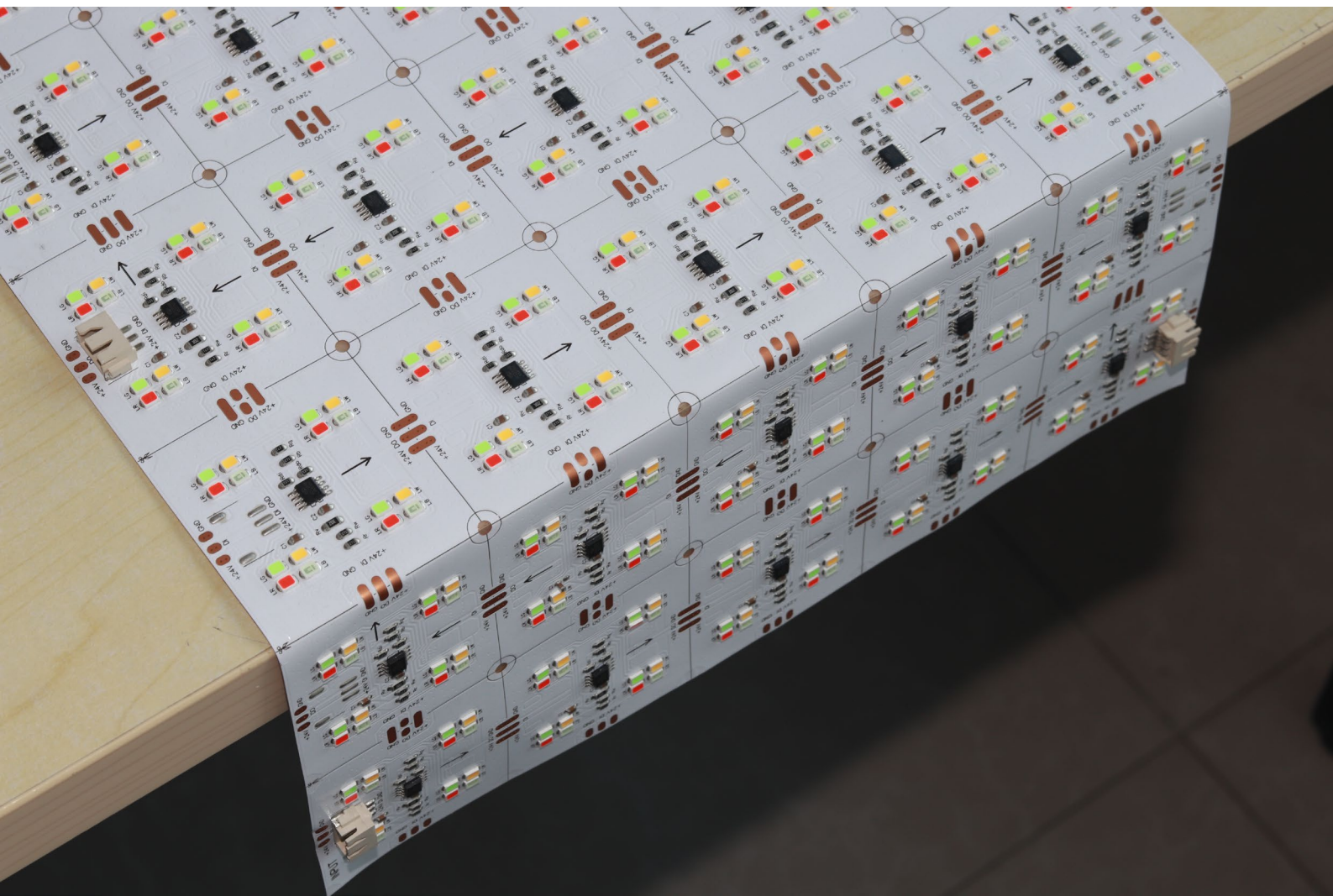




FLEX LED SHEET

Pixel RGBW



Note: LEDYI may change product specifications and installation guidance without prior notice.



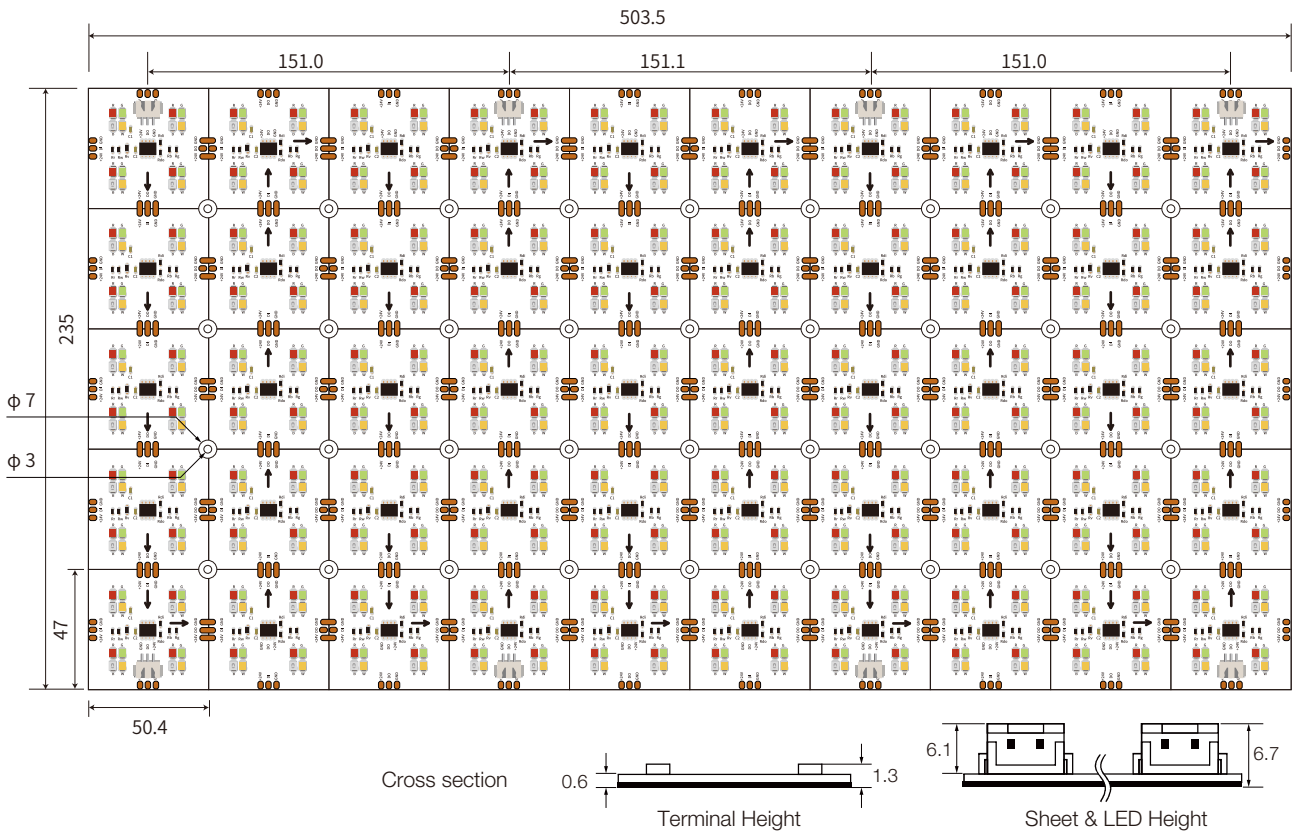
FEATURES

- 24 VDC input
- 90+ CRI
- Pixel RGBW
- Highly adaptable design accommodates virtually any application
- LED lifetime of 50,000 hours (L70)
- 3M adhesive backing
- Operating temperature of -4°–113° F (-20°–45° C)
- IP20 environmental rating

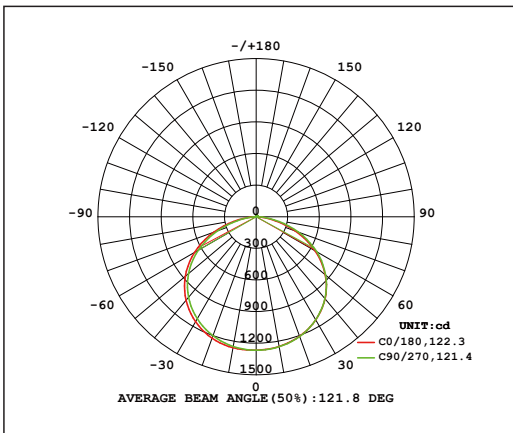
APPLICATIONS

Some common applications include sign lighting, bias lighting, cove lighting, task lighting, backlighting, accent lighting, and under cabinet lighting.

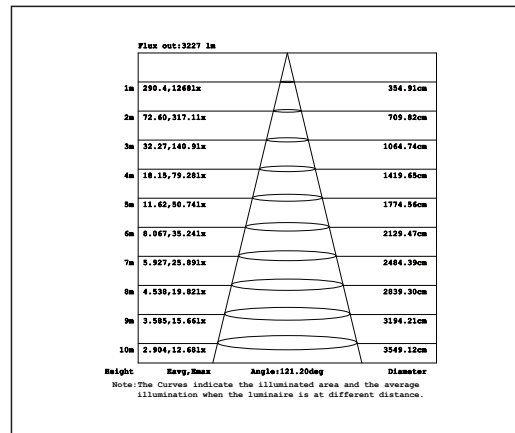
Dimensional Drawing (Unit: mm)



Light Distribution Curve



Illuminance curve

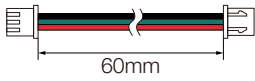







Note: The above data is based on full power in mixed colour temperature. If you need IES file for other types, please contact our sales department.

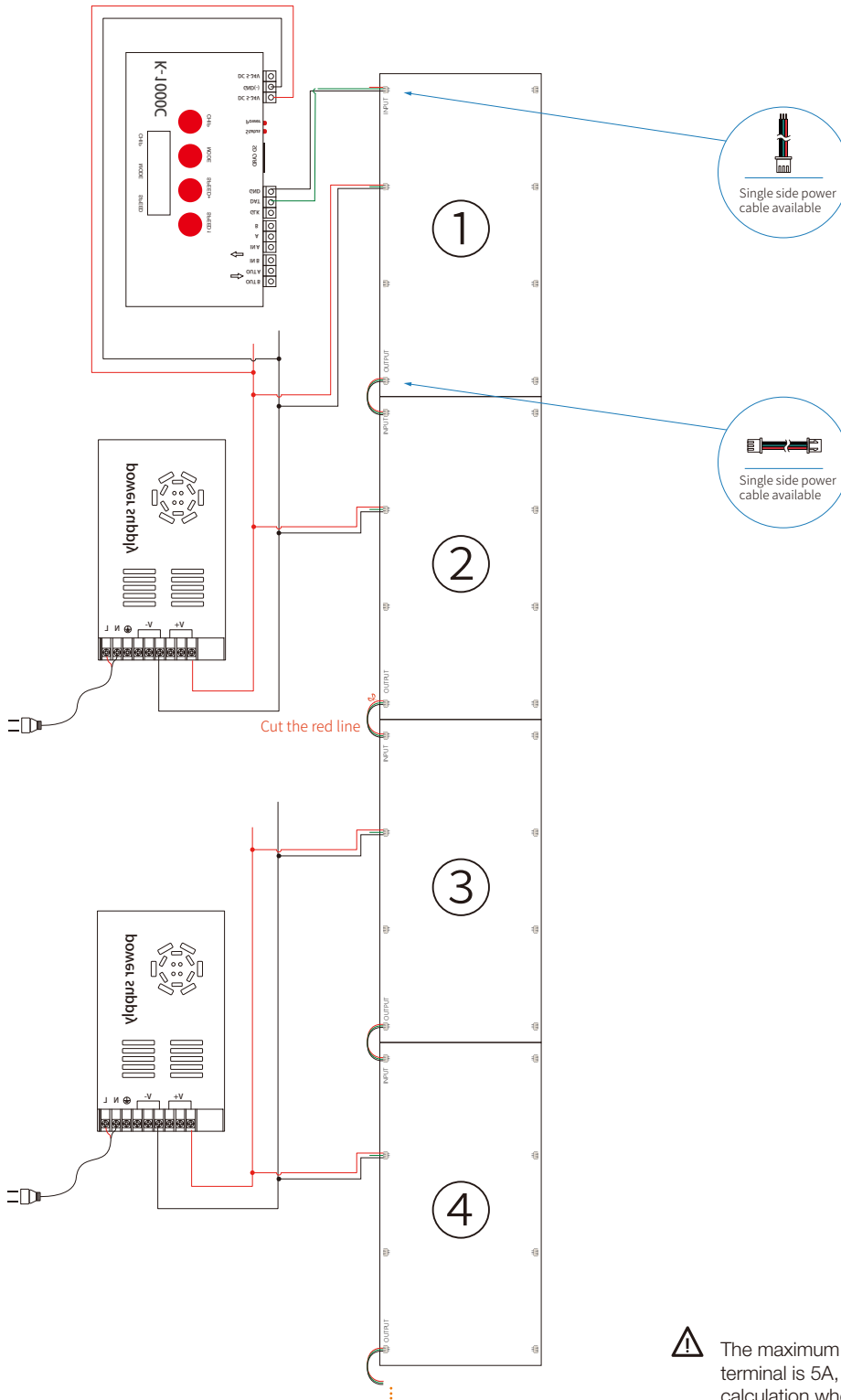
Parameters

Part NO.	Size	LED Type	LED Qty	IC Type	Pixel	Voltage	Power	CRI	Lumen (lm/Sheet)	Efficacy (lm/w)
LY800-LS2835RGBW-24V-SPI-Ra90	503.5 x 235mm	SMD2835	800LEDs/Sheet	UCS2904	50Pixels/Sheet	24V	92W/Sheet	Ra>90	5060	55

Cable

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Two-end connector with short cable		Inner core: 20AWG		Digital: BlackV+, Green G, Red R
Two-end connector with long cable		Inner core: 20AWG		Digital: BlackV+, Green G, Red R
One-end connector with long cable		Inner core: 20AWG		Digital: BlackV+, Green G, Red R

Connection Diagram

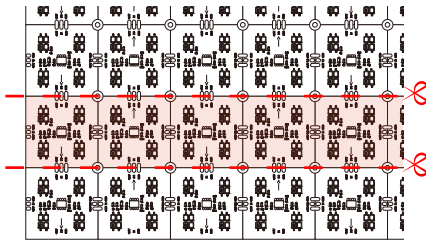


Up to 20 boards can be connected,
with up to 1024 pixels

⚠ The maximum overload current of the PH terminal is 5A, pay attention to the power calculation when supplying power to the light board

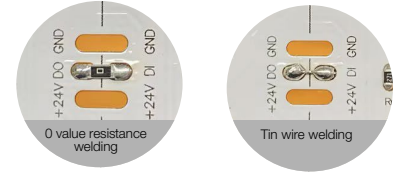
Cutting segments

Horizontal single row

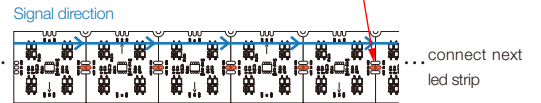


1. As shown in the figure, it needs a single row, and can be cut horizontally along the board line, do not cut to the components.

Welding method:

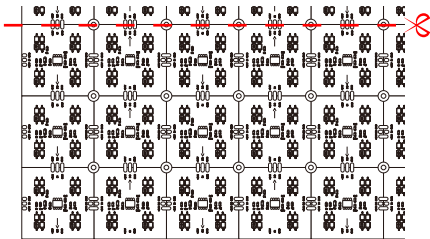


Connect the controller or the previous led strip signal output



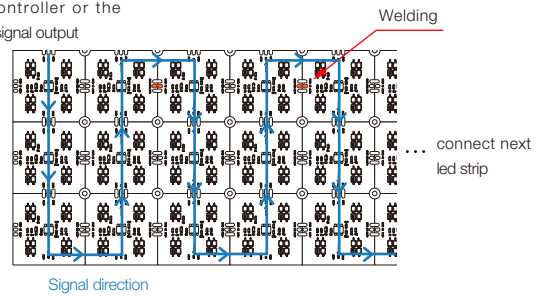
2. As shown in the figure, use 0 value resistance welding, or tin wire welding

Horizontal multiple rows



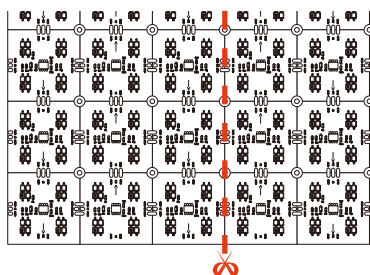
1. As shown in the figure, multiple rows are required, can be cut horizontally along the board line, do not cut to components.

Connect the controller or the previous led strip signal output

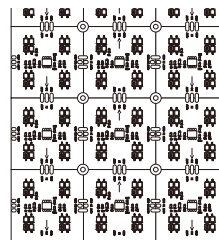


2. As shown in the figure, according to the signal direction, weld the welding points at the cutting edge at intervals, use 0-value resistance welding, or solder with tin wire (to ensure the continuity of signal transmission)


Vertical



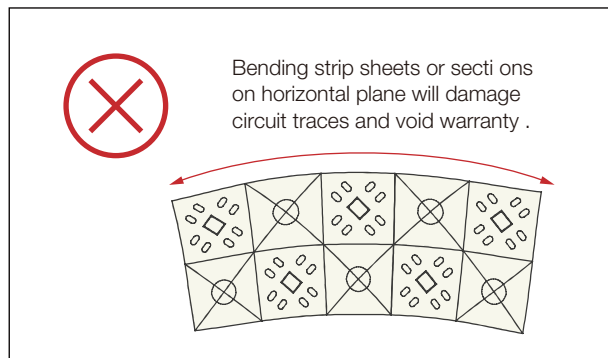
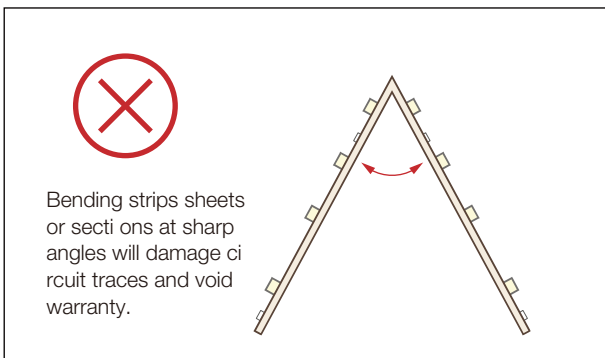
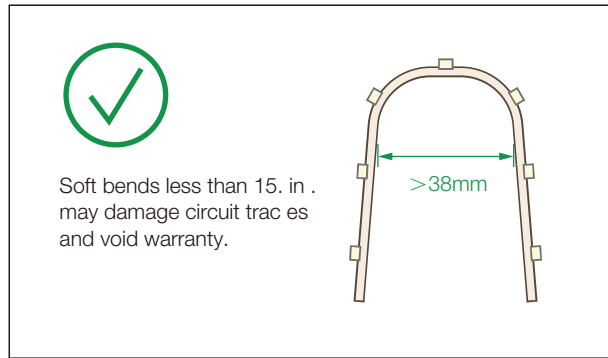
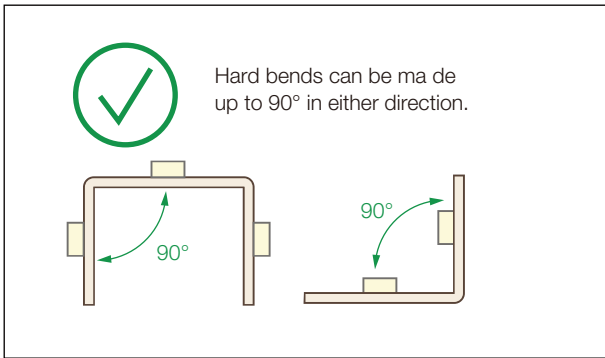
1. As shown in the figure, can be cut vertically along the board line, and please do not cut to the components



2. As shown, no soldering required

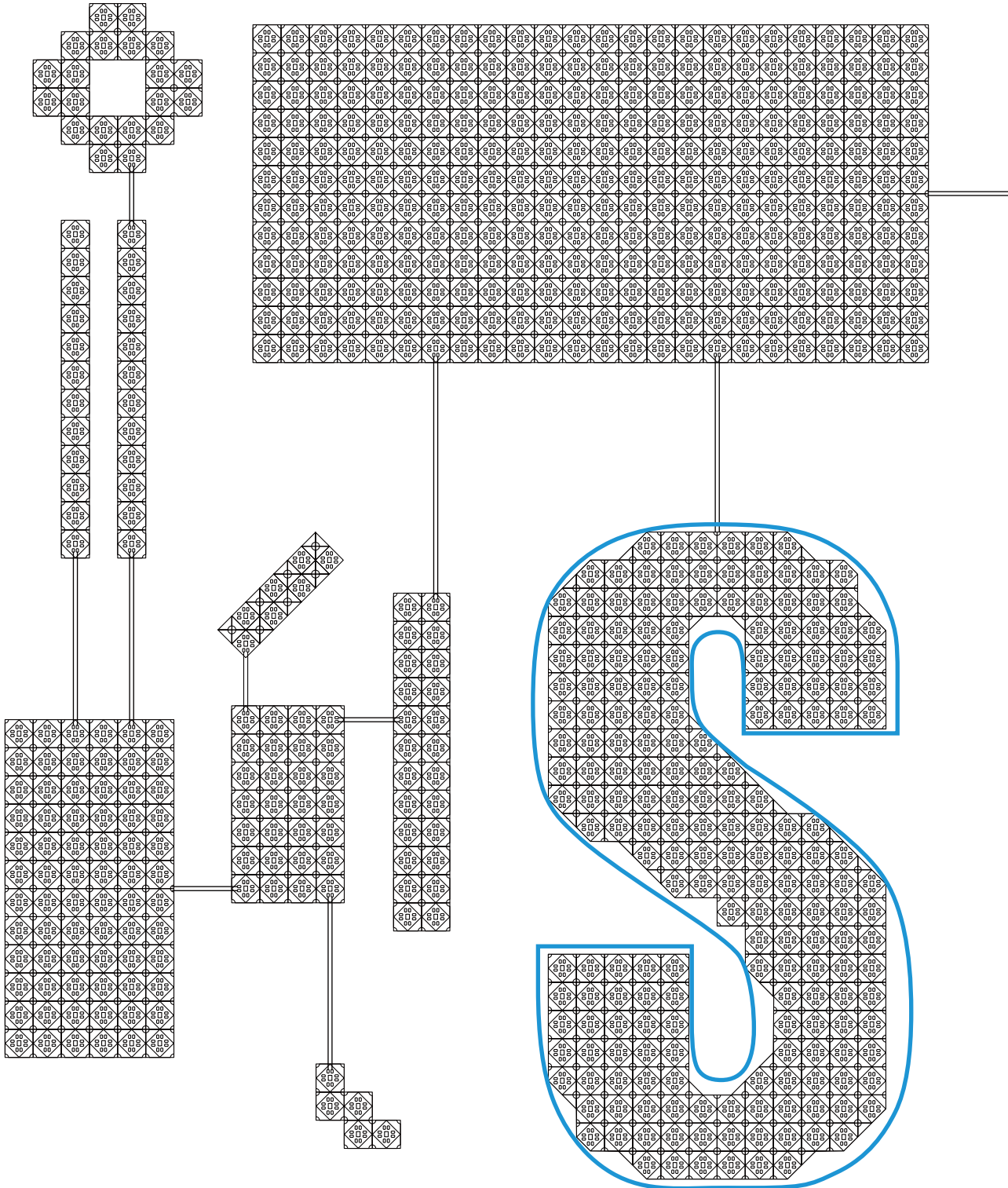
 After cutting all the light panels, pay attention to the transmission of the signal direction

LED Sheet Flexibility



Applications

Below are examples of the types of shapes and patterns that can be made and linked as needed to fit nearly any application. The only limiting factor is max run, which can be easily extended by connecting additional power supplies. Additional power supplies can connect to any individual square LED segment anywhere in the run for maximum flexibility.



Applications



Notes

- Before use, please check whether the product has been damaged during transportation.
If it is damaged, please do not install it;
- Please check the voltage range before use, and select the right power supply for use;
- Best working environment temperature: $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$;
- Best storage environment temperature: $-25^{\circ}\text{C}\sim+60^{\circ}\text{C}$;
It is recommended to install the product in a place with good ventilation and heat dissipation.
- Because the sealed space will affect the heat dissipation of the product;
- Please turn off the power supply during installation, and then turn on the power after installation.
- Do not touch the product during use;
- Pay attention to ESD prevention during installation and use;
It can be used indoors or outdoors according to the different waterproof levels of the product;
- During use, please avoid looking directly at the luminous body with your eyes;
- Please strictly follow the product parameters and instructions when use.