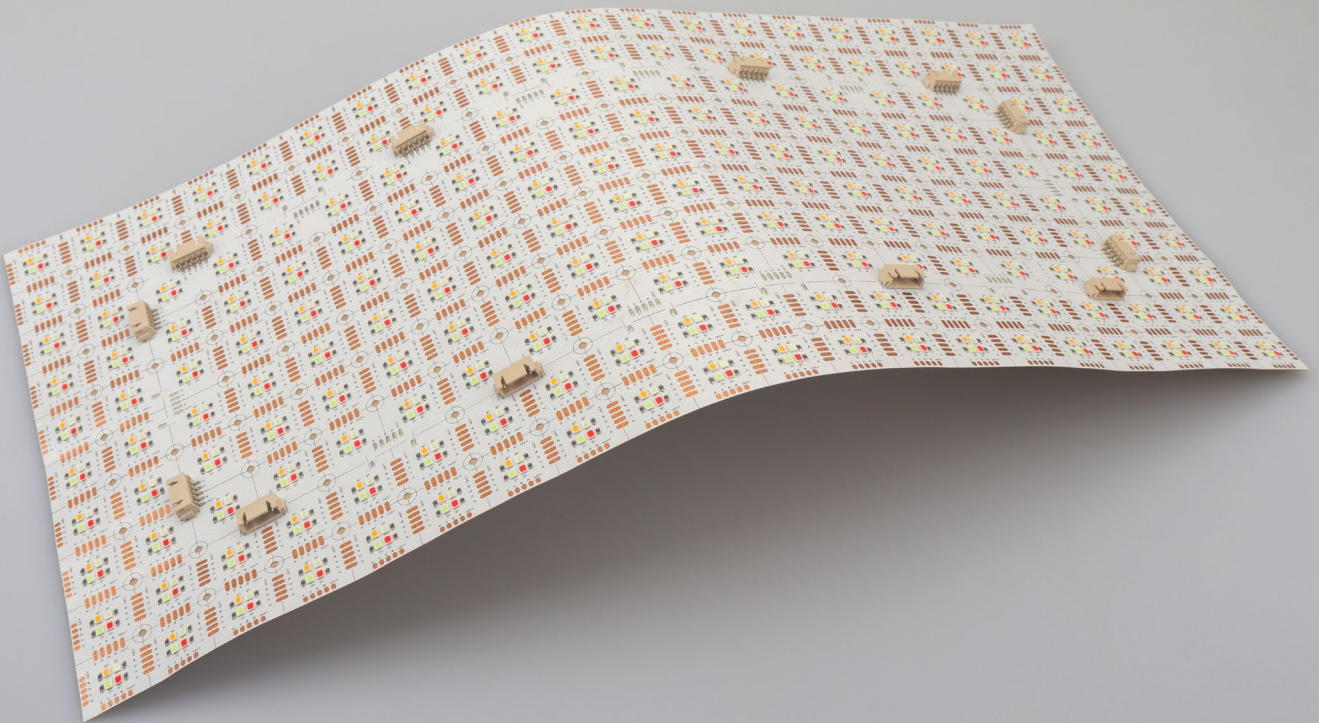


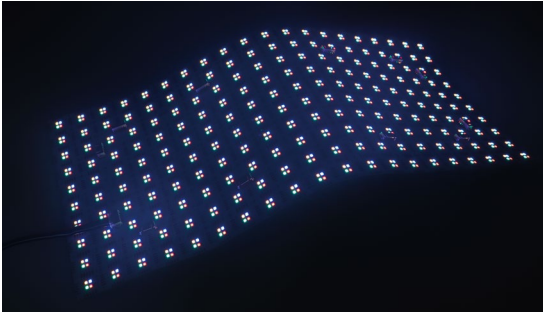


## FLEX LED SHEET

RGBW



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



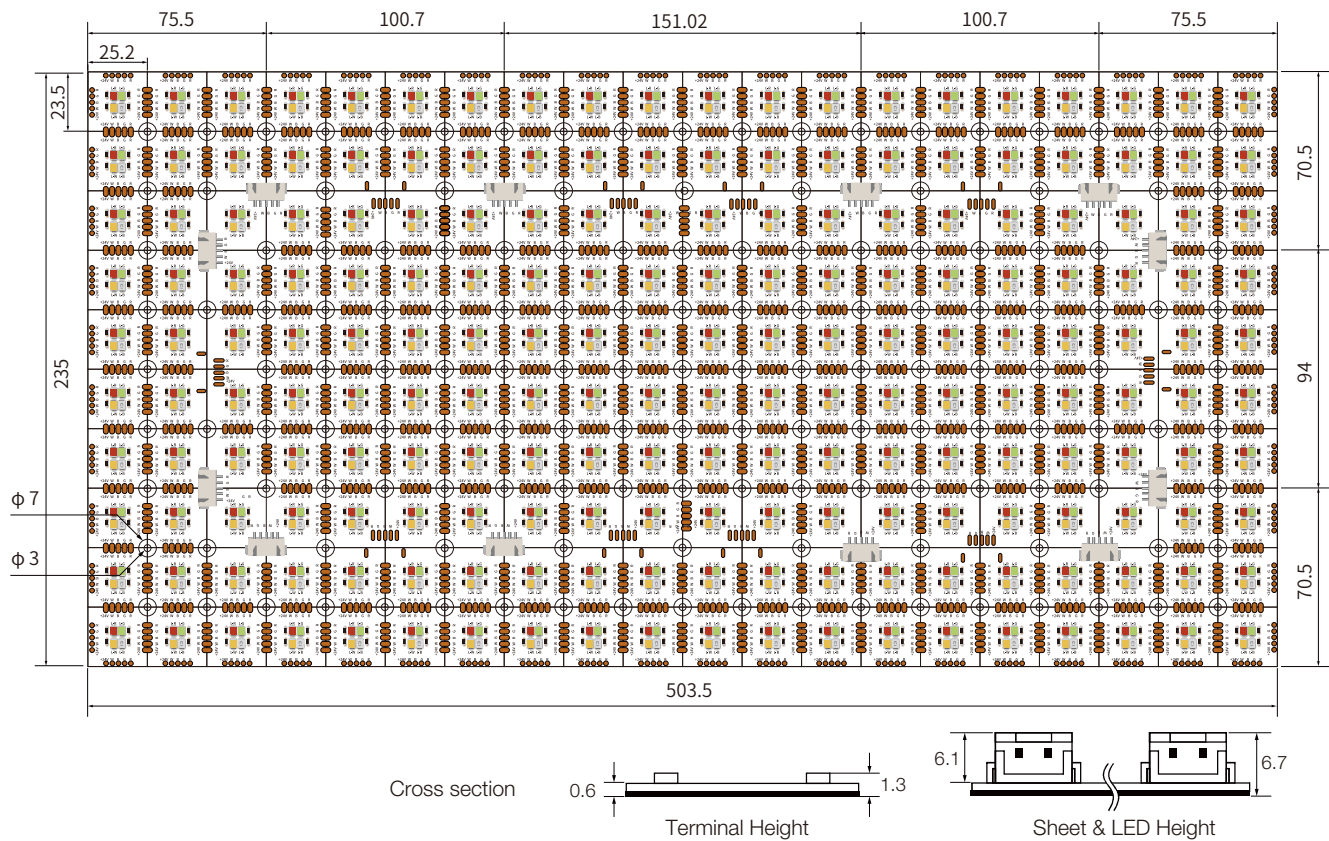
## FEATURES

- 24 VDC input
- 90+ CRI
- 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

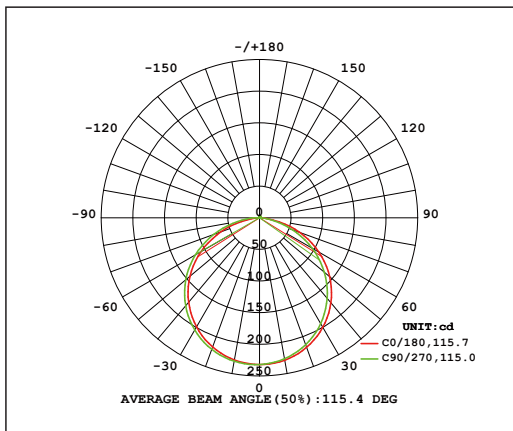
## APPLICATIONS

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

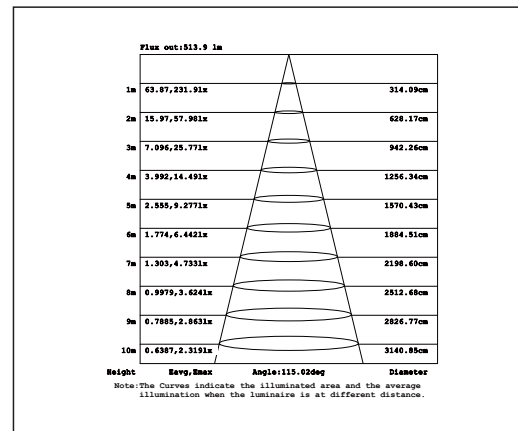
## Dimensional Drawing (Unit: mm)



## Light Distribution Curve



## Illuminance curve

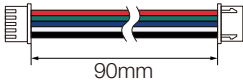

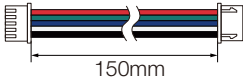

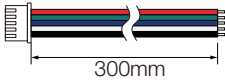



Note: The above data is based on full power (11W/PCS Version) in mixed colour temperature. If you need IES file for other types, please contact our sales department.

Parameters

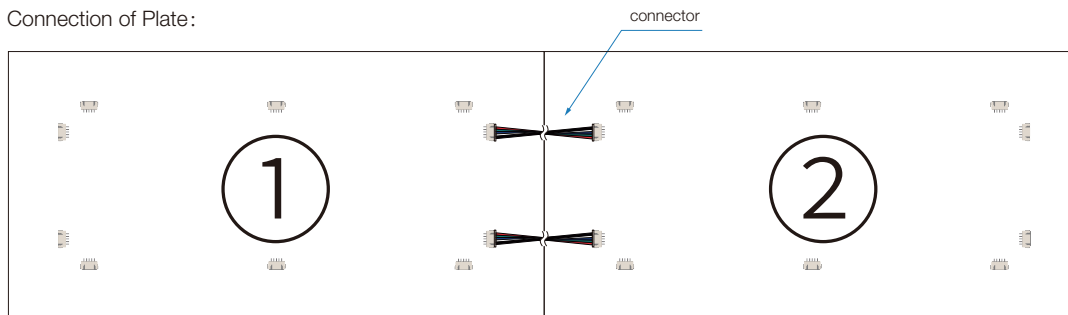
Part NO.	Size	LED Type	LED Qty	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY800-LS2835RGBW-24V-Ra90-11W	503.5 x 235mm	SMD2835	800LEDs /Sheet	4LED/Seg	24V	11W/Sheet	Ra>90	Red ONLY	55	20
LY800-LS2835RGBW-24V-Ra90-11W								Green ONLY	217	79
LY800-LS2835RGBW-24V-Ra90-11W								Blue ONLY	91	33
LY800-LS2835RGBW-24V-Ra90-11W								White ONLY	248	90
LY800-LS2835RGBW-24V-Ra90-11W								RGBW	605	55
LY800-LS2835RGBW-24V-Ra90-22W	503.5 x 235mm	SMD2835	800LEDs /Sheet	4LED/Seg	24V	22W/Sheet	Ra>90	Red ONLY	110	20
LY800-LS2835RGBW-24V-Ra90-22W								Green ONLY	435	79
LY800-LS2835RGBW-24V-Ra90-22W								Blue ONLY	182	33
LY800-LS2835RGBW-24V-Ra90-22W								White ONLY	495	90
LY800-LS2835RGBW-24V-Ra90-22W								RGBW	1210	55
LY800-LS2835RGBW-24V-Ra90-33W	503.5 x 235mm	SMD2835	800LEDs /Sheet	4LED/Seg	24V	33W/Sheet	Ra>90	Red ONLY	165	20
LY800-LS2835RGBW-24V-Ra90-33W								Green ONLY	652	79
LY800-LS2835RGBW-24V-Ra90-33W								Blue ONLY	272	33
LY800-LS2835RGBW-24V-Ra90-33W								White ONLY	743	90
LY800-LS2835RGBW-24V-Ra90-33W								RGBW	1815	55

Cable

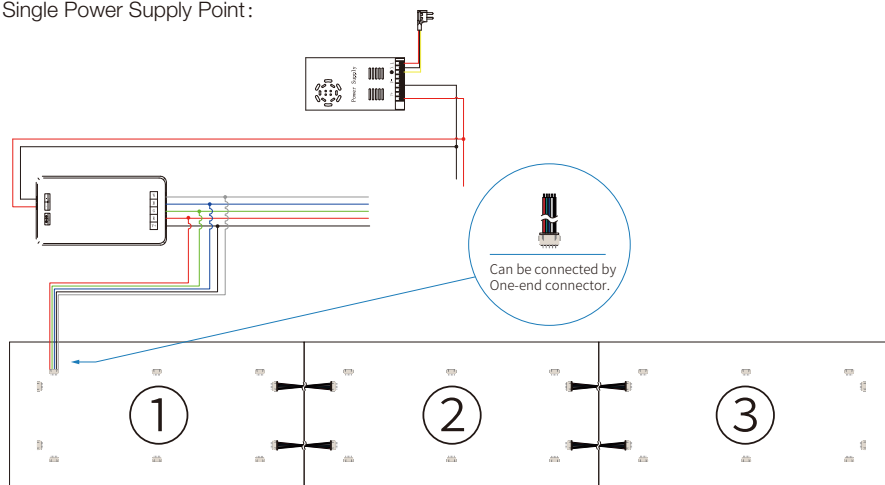
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Two-end connector with short cable		Inner core: 20AWG		Red R、Green G、Blue B、White W、Black V+
Two-end connector with long cable		Inner core: 20AWG		Red R、Green G、Blue B、White W、Black V+
One-end connector with long cable		Inner core: 20AWG		Red R、Green G、Blue B、White W、Black V+

## Connection Diagram

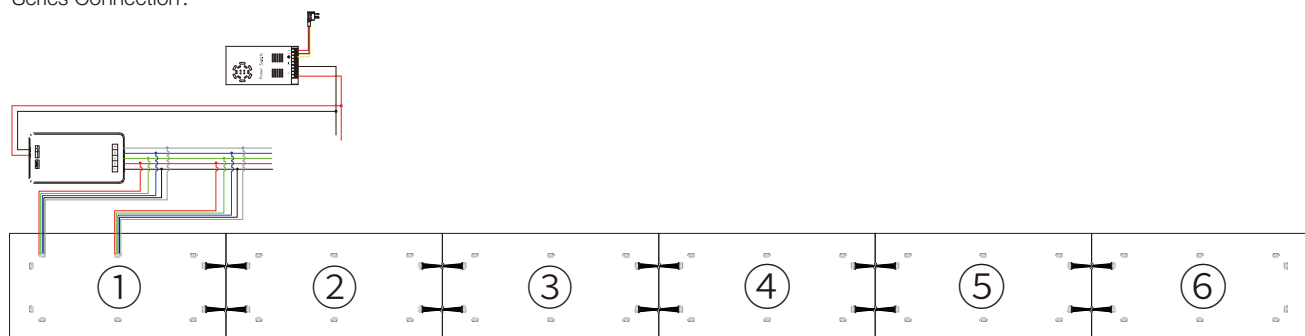
Connection of Plate:



Single Power Supply Point:



Series Connection:

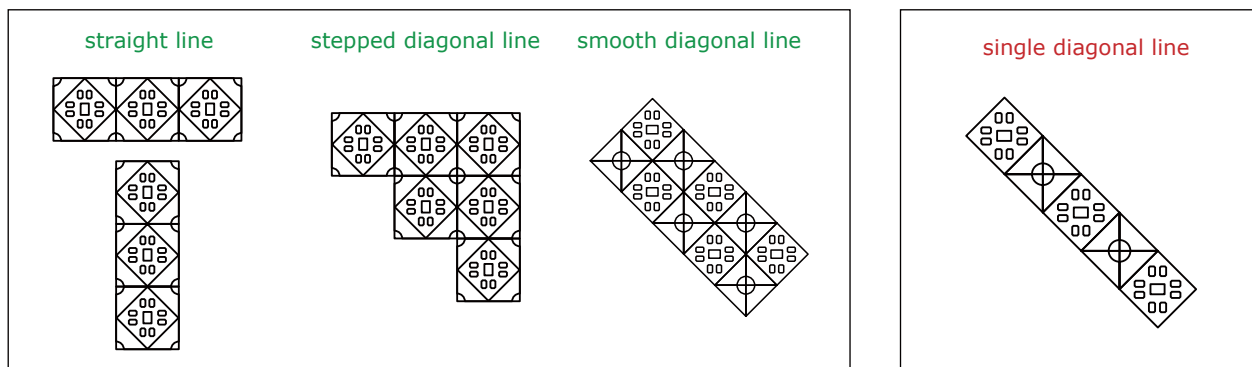


The maximum overload current of the PH terminal is 5A.

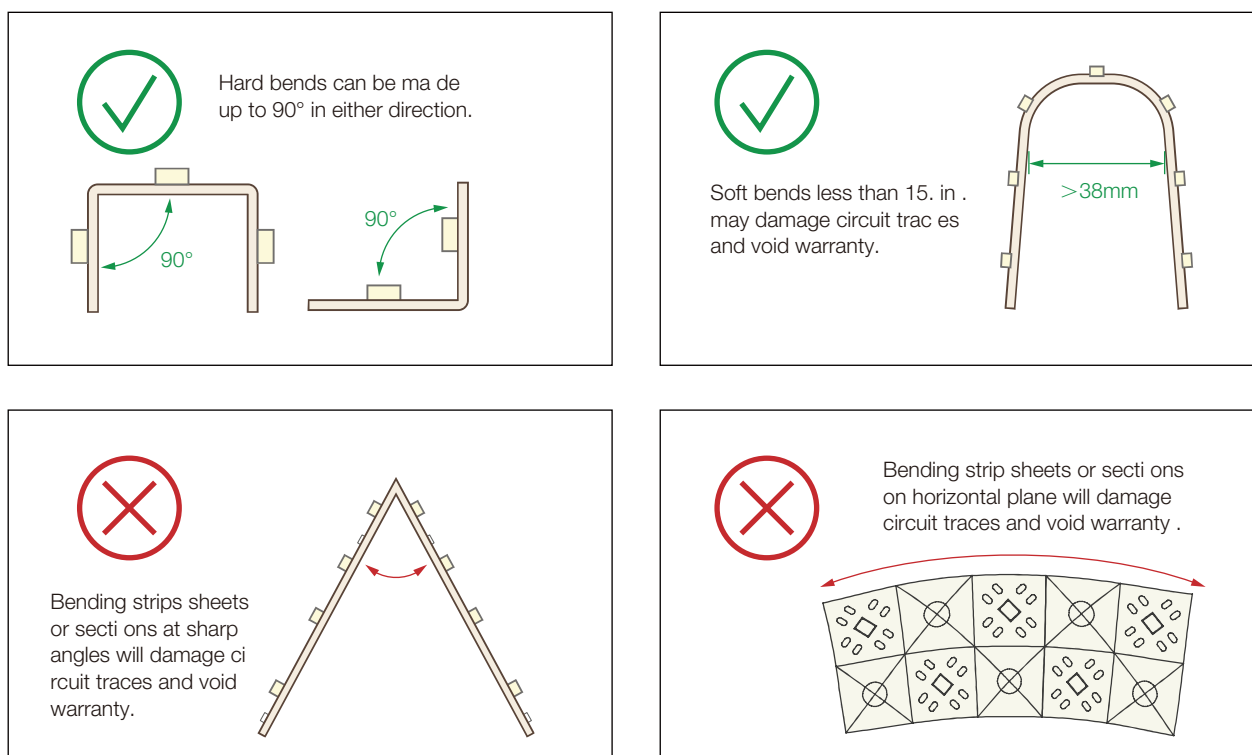
A single power supply point carries a maximum of 3PCS plates (33W/PCS), and a maximum of 6PCS plates (33W/PCS) in series

## Cutting segments

Strip sheets can be cut into many custom shapes. When cutting strips, it is important to use only the pre-marked cut lines on the sheet and also to maintain electrical contact. The images below represent the smallest possible linear routing types. The green box represents strip routing types that work by preserving the electrical connection, and the one in red represents a routing type that will not function correctly due to interruptions of the electrical connection.



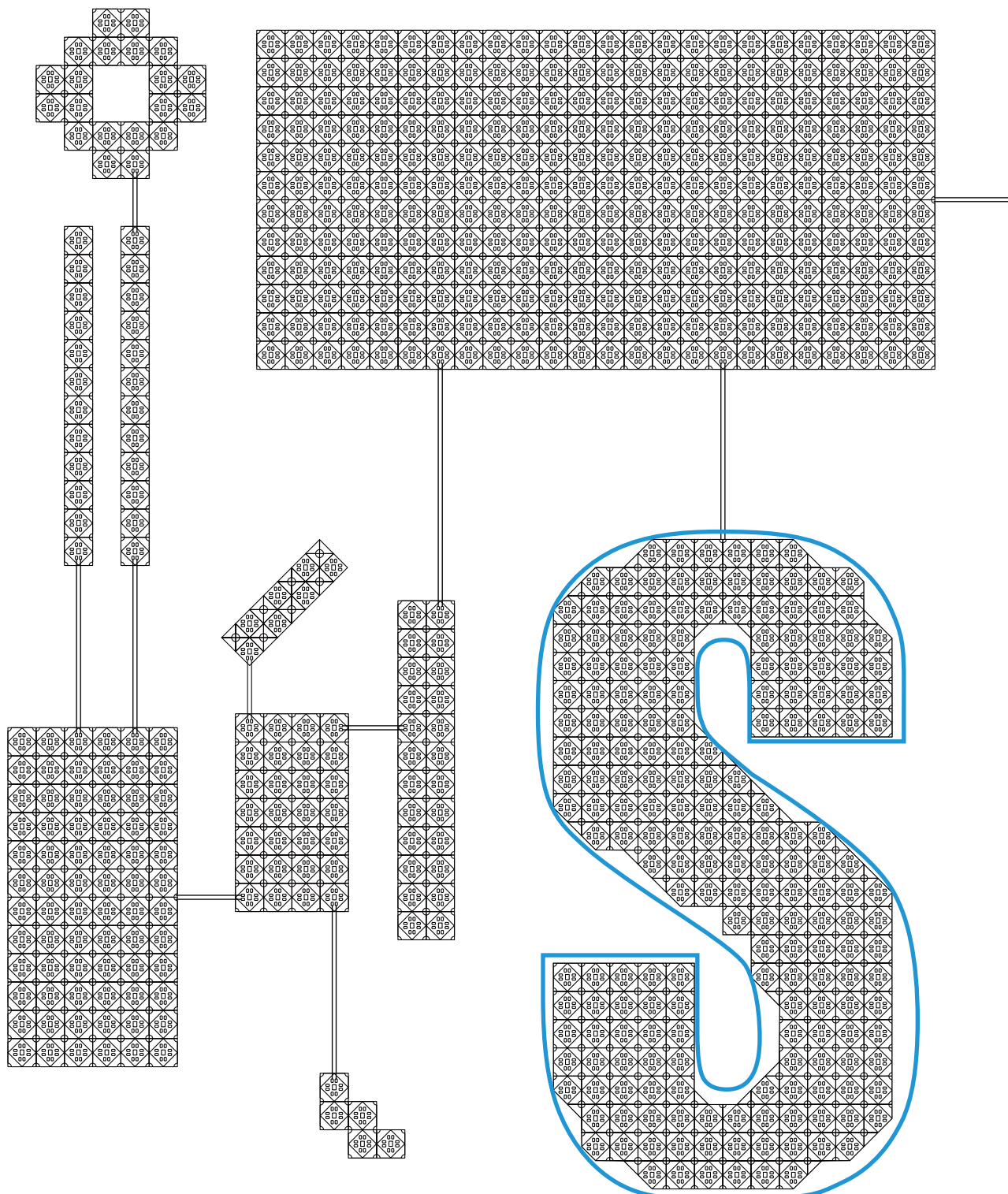
## LED Sheet Flexibility





## 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 3. 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°C~+50°C;
- Best storage environment temperature: -25°C~+60°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.