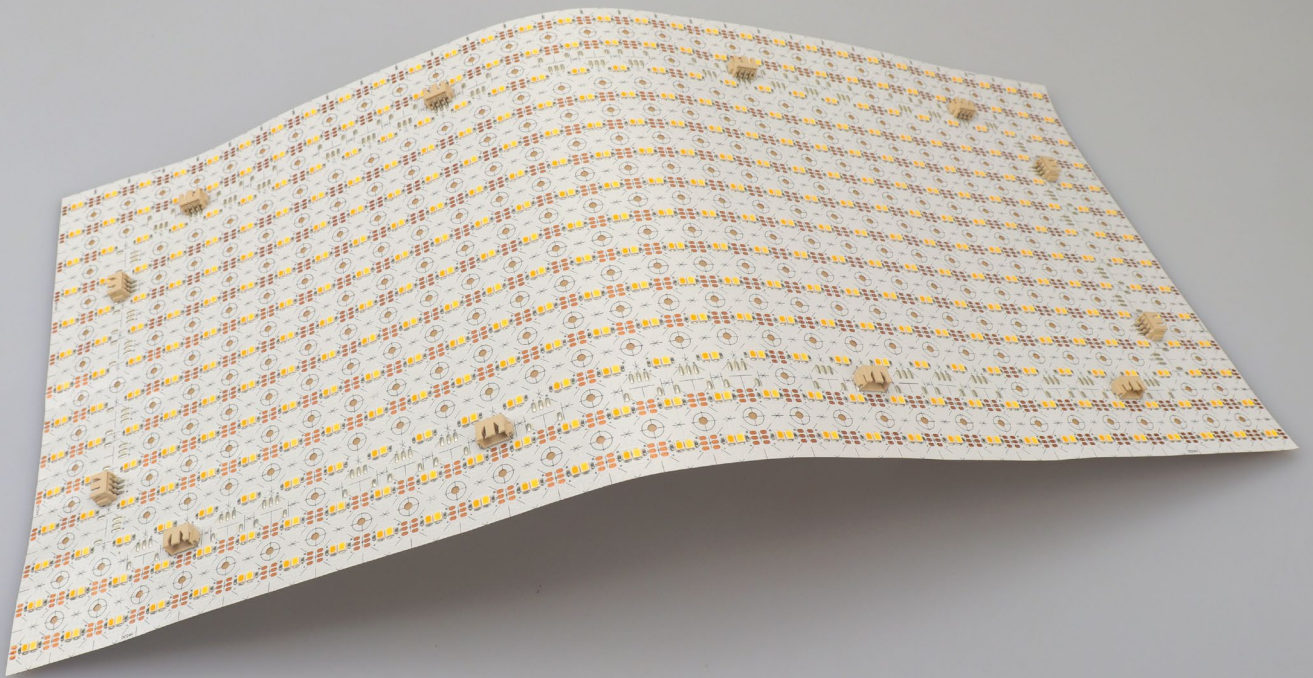


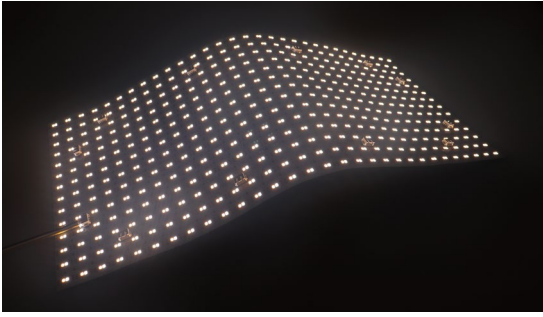


FLEX LED SHEET

Tunable White



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



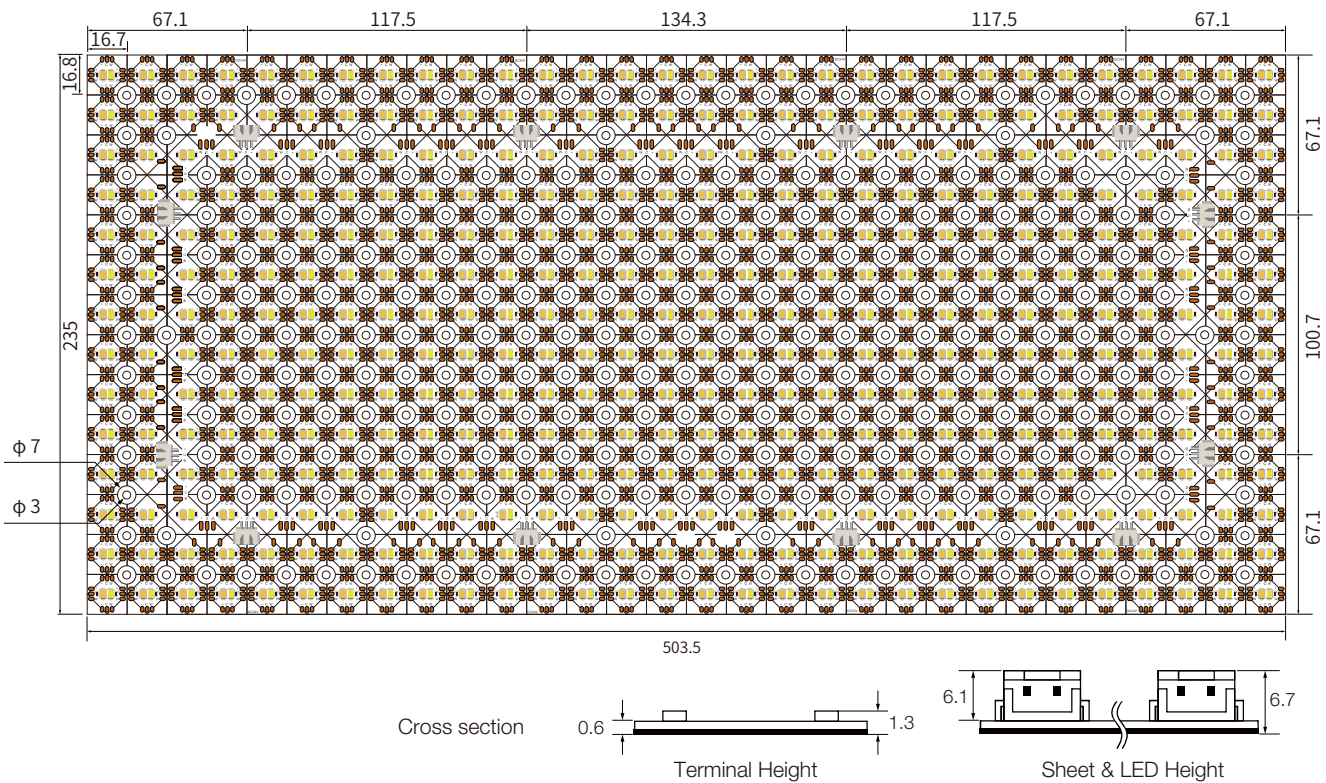
FEATURES

- 24 VDC input
- 90+ CRI
- Tunable white
- 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

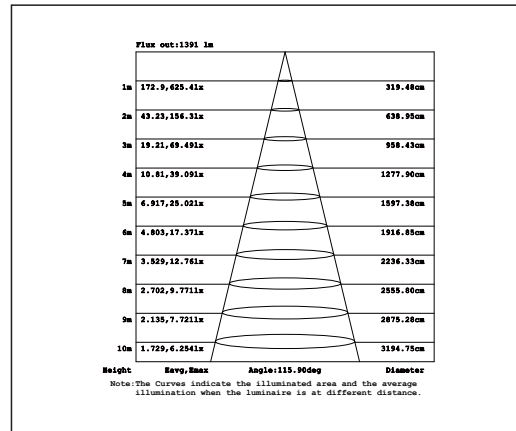
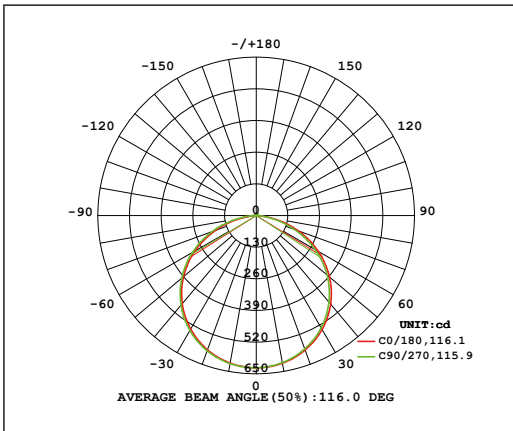
Some common applications include sign lighting, bias lighting, cove lighting, task lighting, backlighting, accent lighting, and under cabinet lighting.

Dimensional Drawing (Unit: mm)



Light Distribution Curve

Illuminance curve

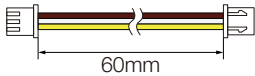

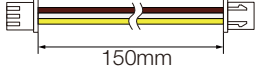

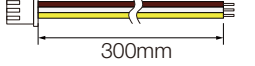



Note: The above data is based on 24V, 22W/PCS, dual colour with 2700K+6500K colour temperature. If you need IES files for other types, please contact our sales department.

Parameters

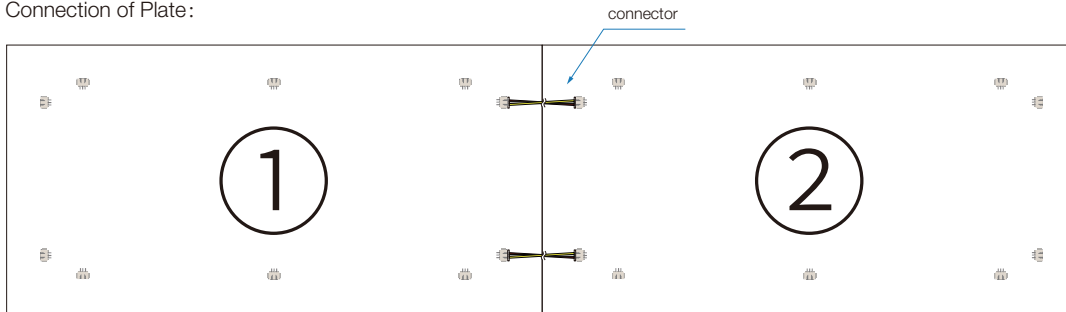
Part NO.	Size	LED Type	LED Qty	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY840-LS2835TW2765-24V-Ra90-22W	503.5 x 235mm	SMD2835	840LEDs /Sheet	2LED/Seg	24V	22W/Sheet	Ra>90	2700K(ONLY)	1012	92
6500K(ONLY)								1012	92	
2700K+6500K								1144	104	
LY840-LS2835TW2765-24V-Ra90-44W	503.5 x 235mm	SMD2835	840LEDs /Sheet	2LED/Seg	24V	44W/Sheet	Ra>90	2700K(ONLY)	1078	98
6500K(ONLY)								2024	92	
2700K+6500K								2024	92	
LY840-LS2835TW2765-24V-Ra90-66W	503.5 x 235mm	SMD2835	840LEDs /Sheet	2LED/Seg	24V	66W/Sheet	Ra>90	2700K(ONLY)	2288	104
6500K(ONLY)								2156	98	
2700K+6500K								3036	92	

Cable

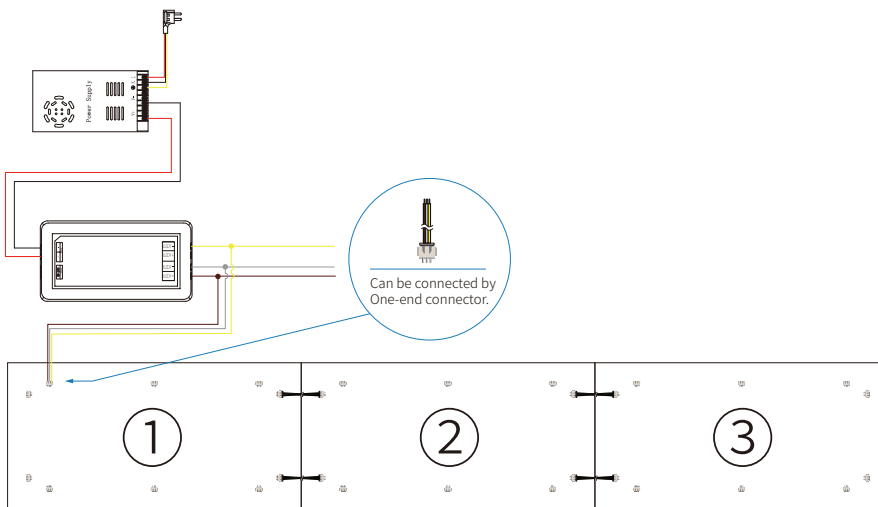
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Two-end connector with short cable		Inner core: 20AWG		Brown V+, White W-, Yellow WW
Two-end connector with long cable		Inner core: 20AWG		Brown V+, White W-, Yellow WW
One-end connector with long cable		Inner core: 20AWG		Brown V+, White W-, Yellow WW

Connection Diagram

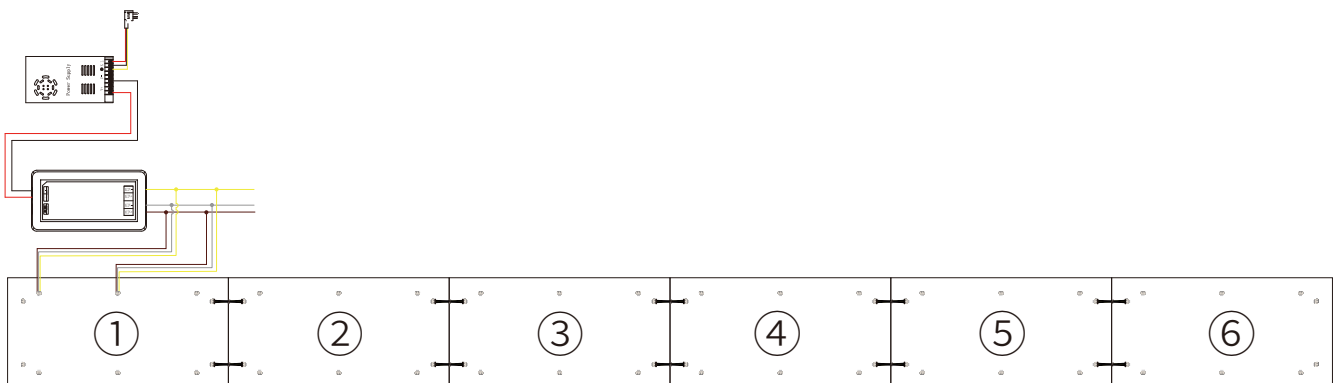
Connection of Plate:



Single Power Supply Point:



Series Connection:



⚠ A single power supply point carries a maximum of 3PCS plates(66W/PCS), and a maximum of 6PCS plates(66W/PCS) in series.

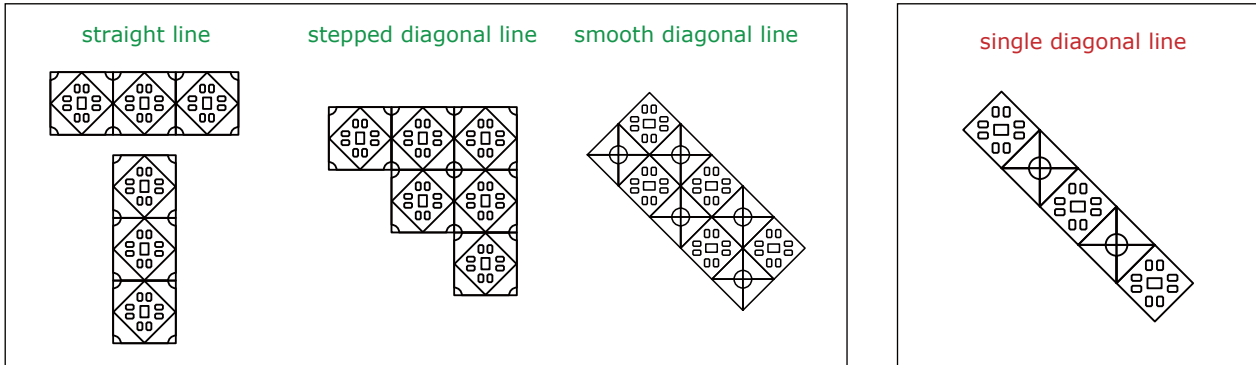
Note: Our tunable white LEDs utilize separate warm and cool white channels for color mixing.

3rd party controls must account for proportional balancing of the two channels.

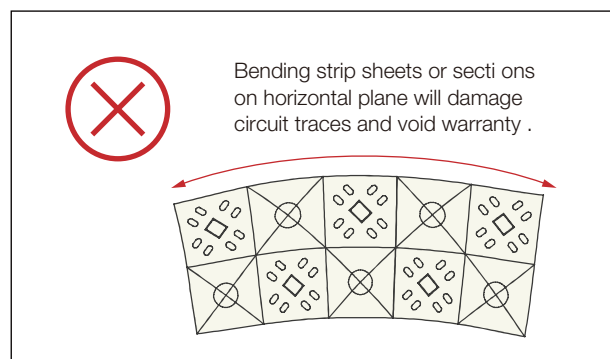
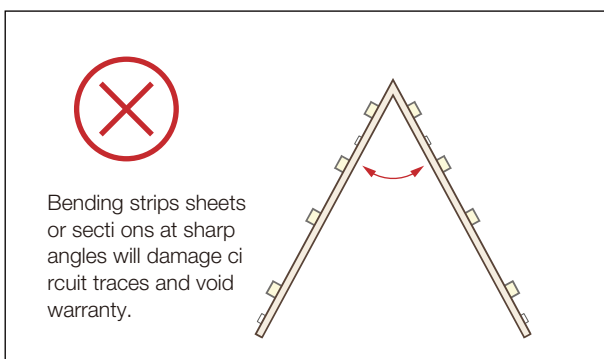
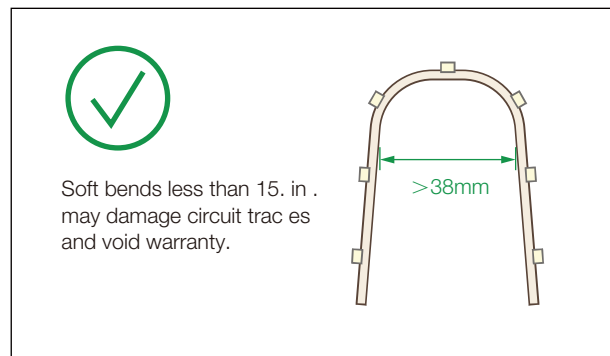
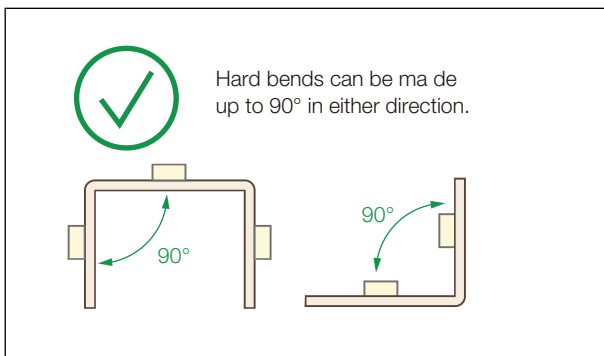
Example: If Warm White = 100% ON then Cool White = OFF. If Warm White = 25% ON, then Cool White = 75% ON.

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.

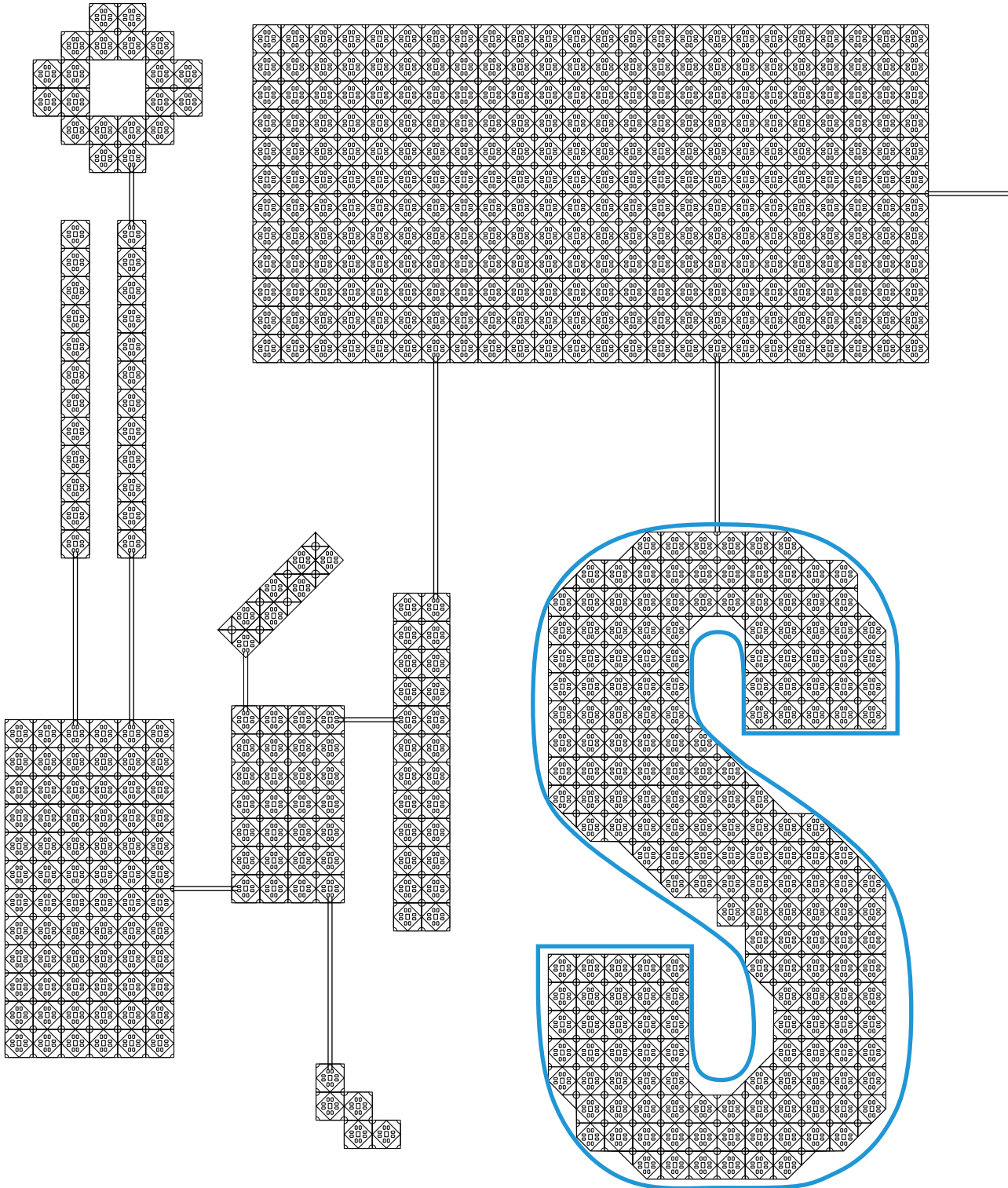


LED Sheet Flexibility



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. 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.