

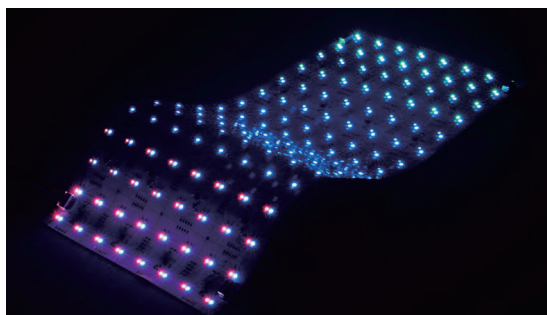


FLEX LED SHEET

(503.5X235mm)DMX512 RGBW



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



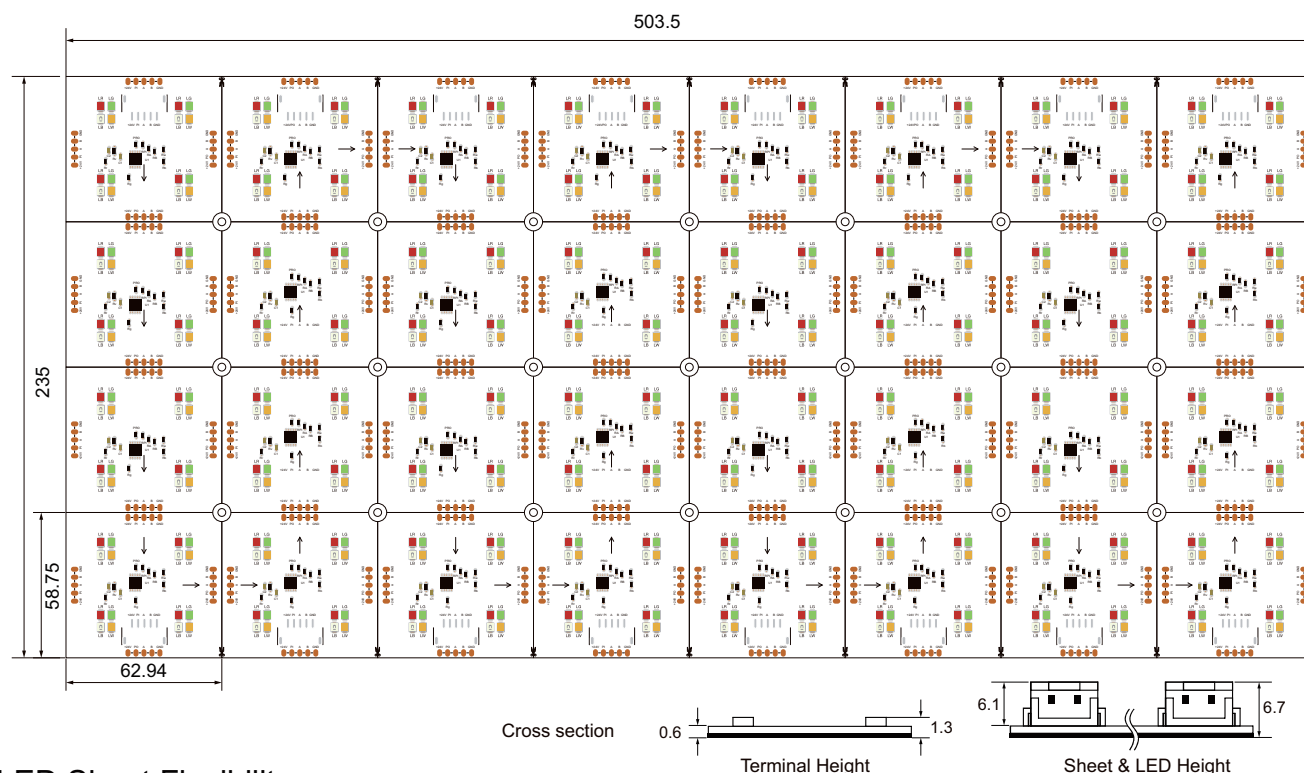
FEATURES

- 24 VDC input
- 90+ CRI
- DMX512 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

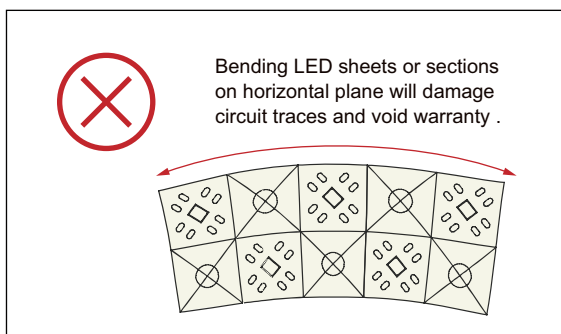
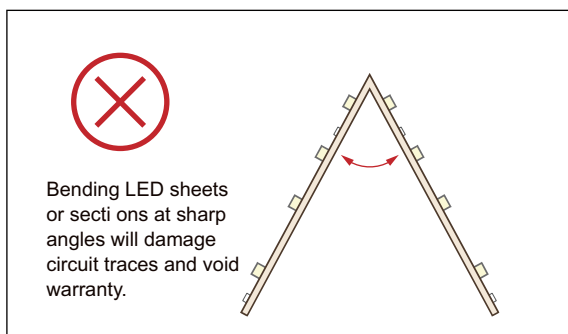
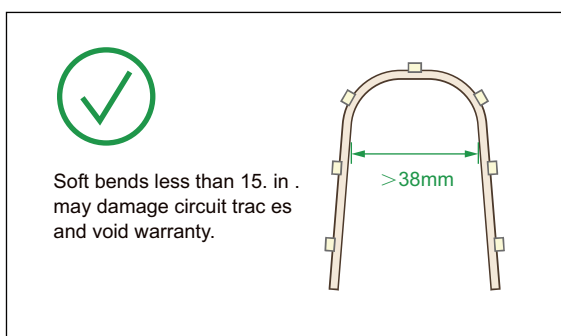
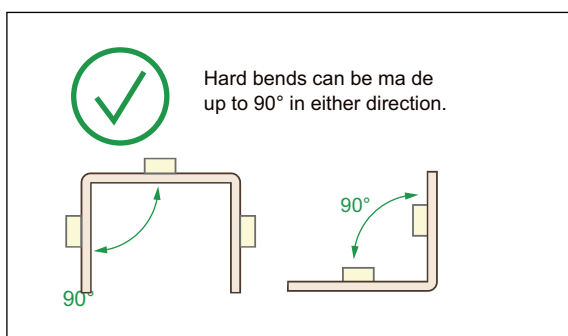
APPLICATIONS

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

Dimensional Drawing (Unit: mm)



LED Sheet Flexibility









DMX512 RGBW FLEX LED SHEET

Parameters

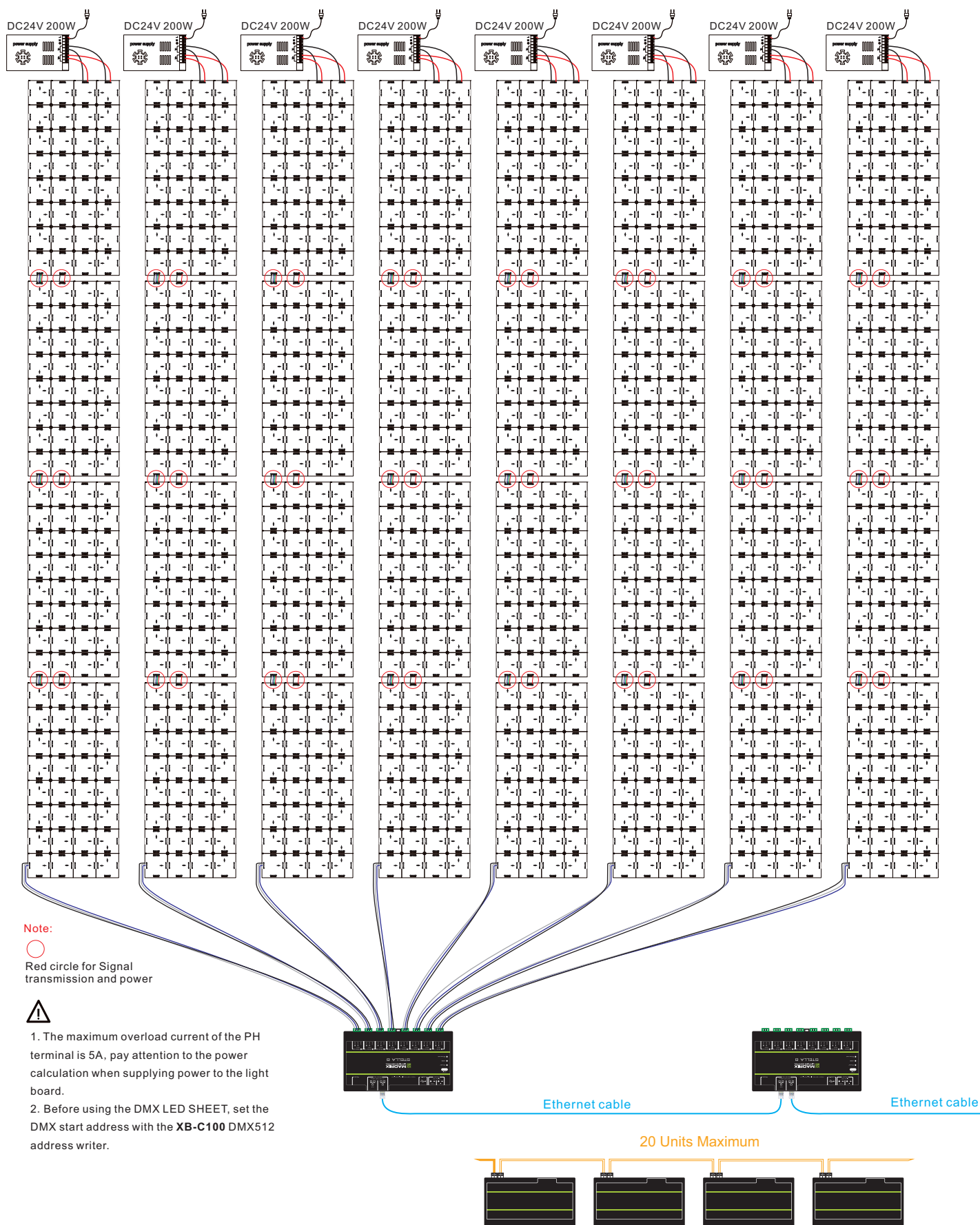
Part NO.	Size	LED Type	LED Qty	IC Type	LED Segment	Voltage	Power	CRI	CCT	Lumen (lm/Sheet)	Efficacy (lm/w)
LY512-LS2835RGBW18-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	118.6	9.68
									Green ONLY	415.2	33.66
									Blue ONLY	209.9	17.01
									1800K	445.7	36.22
									RGBW	1153.9	37.21
LY512-LS2835RGBW24-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	123.1	10.06
									Green ONLY	426.8	34.97
									Blue ONLY	215.7	17.66
									2400K	477.1	38.95
									RGBW	1260	40.06
LY512-LS2835RGBW27-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	131.5	10.52
									Green ONLY	450.6	35.95
									Blue ONLY	223.4	17.85
									2700K	526.6	41.98
									RGBW	1362	43.33
LY512-LS2835RGBW30-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	139.9	10.59
									Green ONLY	474.9	35.93
									Blue ONLY	236.8	17.93
									3000K	600.1	45.43
									RGBW	1424	44.5
LY512-LS2835RGBW40-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	149.4	12.05
									Green ONLY	508.7	41.02
									Blue ONLY	255.7	20.62
									4000K	691	55.66
									RGBW	1559	49.96
LY512-LS2835RGBW50-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	152.6	12.55
									Green ONLY	511.5	41.98
									Blue ONLY	257.3	20.92
									5000K	694.8	56.86
									RGBW	1602	49.96
LY512-LS2835RGBW60-24V-DMX512	503.5 x 235mm	SMD2835	512LEDs /Sheet	UCS512C1L	16LEDs/Seg	24V	32W/Sheet	Ra>90	Red ONLY	142.6	11.64
									Green ONLY	489.4	39.64
									Blue ONLY	245.3	19.88
									6000K	653.8	52.78
									RGBW	1524	47.62

Note: Power can be customized from 5w to 32w.

Cable

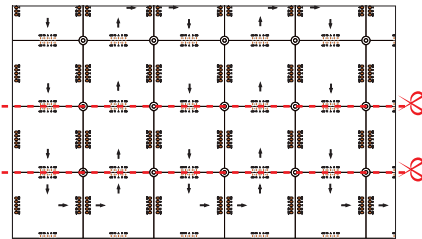
Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
Two-end connector with short cable		Inner core: 20AWG		Red R、Green G、Blue B、White W、Black V+
Two-end connector with long cable		Inner core: 20AWG		Red R、Green G、Blue B、White W、Black V+
One-end connector with long cable		Inner core: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

Connection Diagram



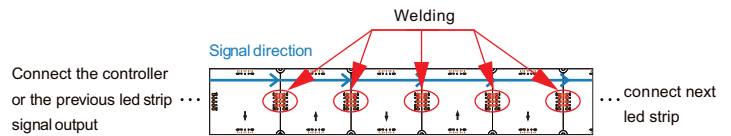
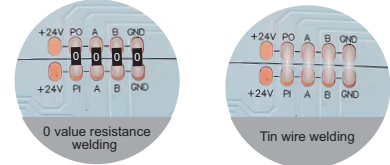
Cutting segments

Horizontal single row



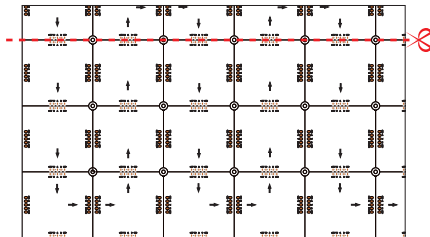
1. As shown in the figure, it needs a single row, and can be cut horizontally along the board line, do not cut to the components.

Welding method:



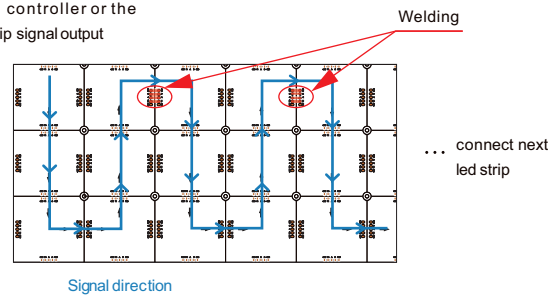
2. As shown in the figure, use 0 value resistance welding, or tin wire welding

Horizontal multiple rows



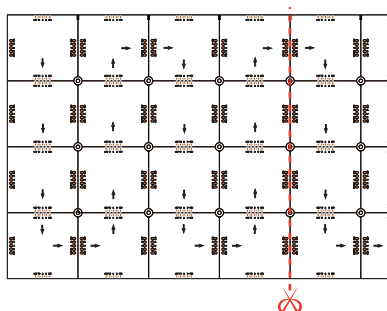
1. As shown in the figure, multiple rows are required, can be cut horizontally along the board line, do not cut to components.

Connect the controller or the previous led strip signal output

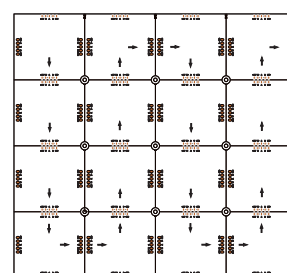


2. As shown in the figure, according to the signal direction, weld the welding points at the cutting edge at intervals, use 0-value resistance welding, or solder with tin wire (to ensure the continuity of signal transmission)

Vertical



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

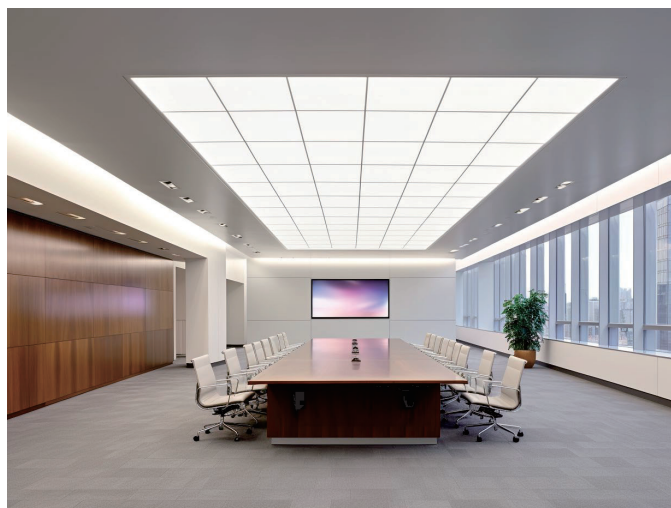


2. As shown, no soldering required



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

Applications



- 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.