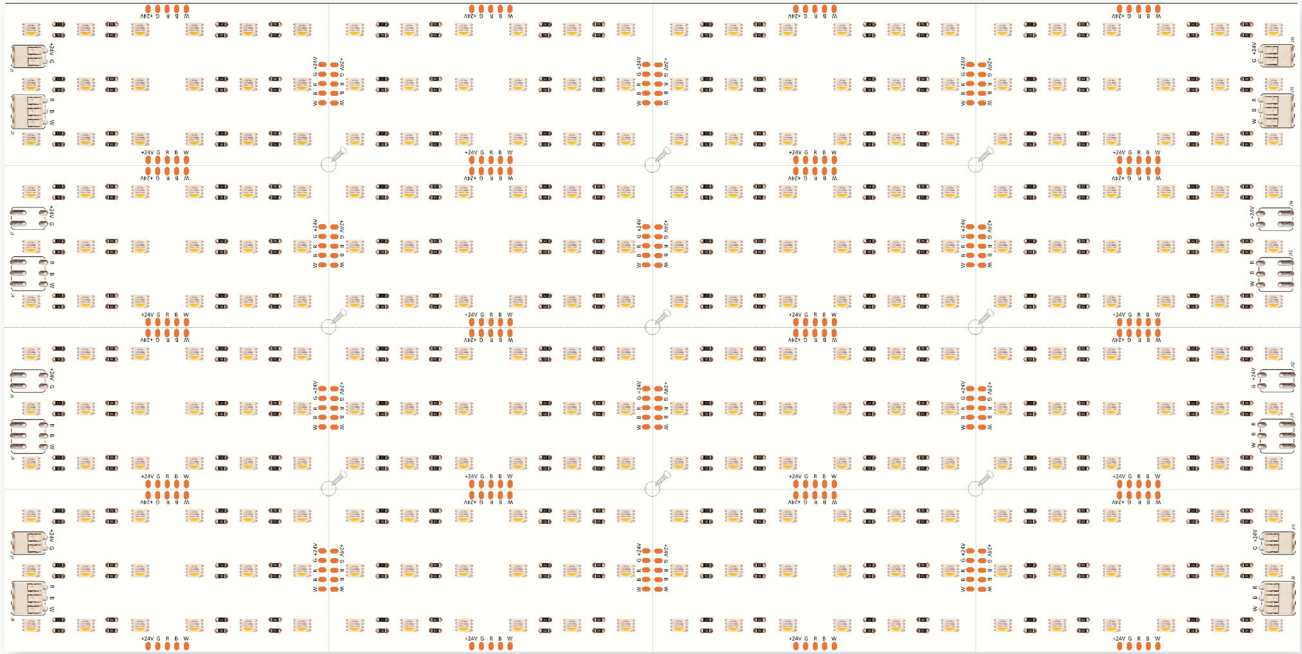


# LED Pixels Light Sheet - RGBW 4 IN 1



This LED pixels RGBW light sheet is a fully customizable, flexible and color changing LED sheet with uniform illumination. It is great for backlighting applications where it can be easily bended to fit into thin and irregular surfaces and spaces. The pixels light sheet can be cut by each individual LED and the feature allows customers to design their own shapes of light with great flexibility. Multiple sheets can be easily linked together using onboard wago connectors or soldering connectors.

## Features

- Good for a backlight of showcases, billboards, translucent walls, and signage light boxes. Linkable by onboard wago connectors or soldering connectors.
- Each sheet of LED pixels light contains 1 piece of Power Lead Wire and 1 piece of Jumper Wire.
- Easy installation with 300 LSE 3M backing tape.
- Color-changing and dimmable with optional DMX controllers.
- A minimum distance of 1.18 in. \* is recommended between the light sheet and a diffuser to achieve a spotless effect.
- Able to achieve a spotless effect when used as backlight for onyx surfaces with a distance of 0 in.
- UL listed, 50,000h long lifespan with 5 years limited warranty.

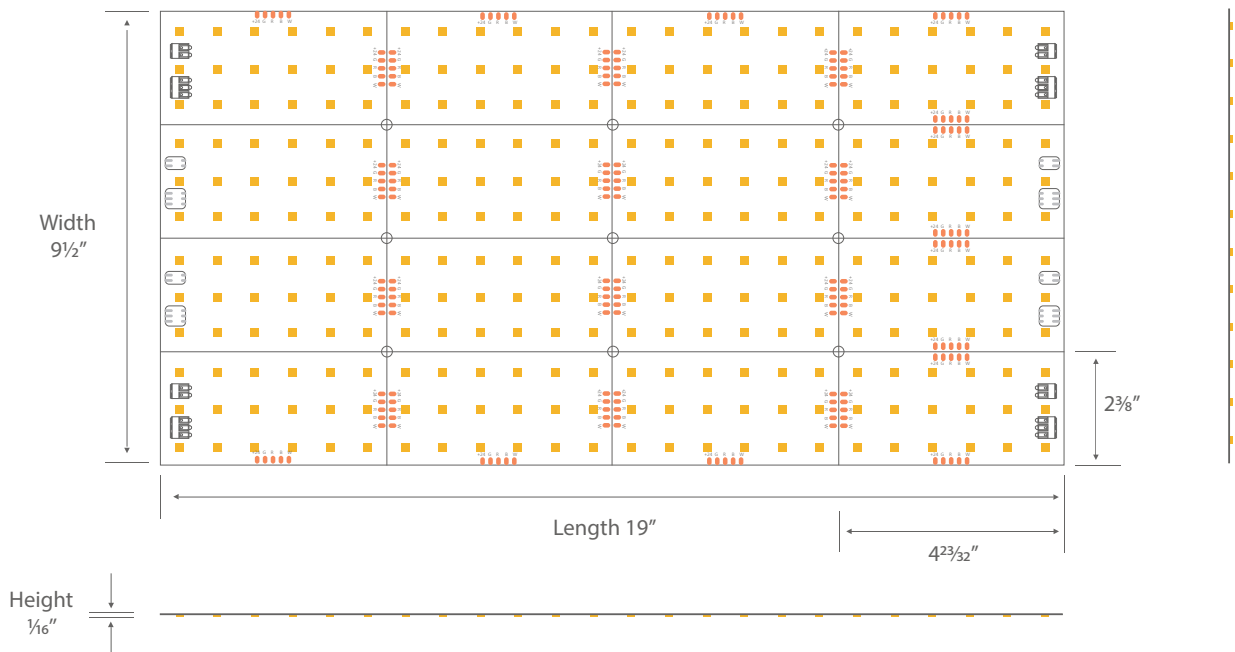


## Specification

<b>Input Voltage</b>	24VDC	<b>LED Quantity</b>	288 LEDs/sheet
<b>Controller</b>	RGBW color changing controller	<b>No Voltage Drop</b>	6 Sheets Max
<b>Color Temp. (CCT)</b>	RGB+3000K	<b>LED Chip</b>	5050
<b>Power Consumption</b>	40W/sheet	<b>Operating Temperature</b>	-4°F~113°F
<b>Lead Wire</b>	20 AWG, 2ft (5 pin)	<b>Lumen Maintenance</b>	50,000 hrs
<b>Cut Increments</b>	18 LED/cut		

## Models

Model No.	Color	Brightness	Power	IP Rating	Dimensions (L x W x H)
GL-PLS-288-125-24V -40W-RGBW-3000K	Red	440 lm/sheet	40W	IP20 (Dry location)	19x9½x¼in
	Green	940 lm/sheet			
	Blue	184 lm/sheet			
	White	980 lm/sheet			
	RGB	1550 lm/sheet			
	RGBW	2506 lm/sheet			



## Voltage Drop Guidance Chart

This table provides general guidelines for determining Wire Gauge based on total load and distance from LED transformer to beginning of luminaire.

### 24V Voltage Drop & Wire Length Distance Chart (3% Drop or 23.28V)

Wire Gauge (AWG)	10W 0.42A	20W 0.83A	30W 1.3A	40W 1.7A	50W 2.1A	60W 2.5A	70W 2.9A	80W 3.3A	90W 3.75A	100W 4.2A
20	85ft	43ft	27ft	21ft	17ft	14ft	12ft	11ft	9ft	8ft
18	134ft	68ft	45ft	33ft	27ft	22ft	19ft	17ft	15ft	14ft
16	215ft	109ft	72ft	54ft	43ft	36ft	31ft	27ft	24ft	22ft

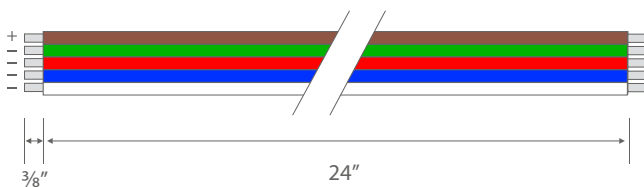
**Step 1:** Calculate Total Load: Check the power consumption of the LED light (e.g. 3W/ft). Calculate the total load of the LED light based on the light length (e.g. 10ft). The total load is 3W/ft x 10ft = 30W.

**Step 2:** Find Distance from Transformer to the Light Beginning: Check the distance between the transformer to the beginning of the light onsite. Let's assume it is 40ft. Round up to the nearest one on the table (Column 30W), which is 45ft.

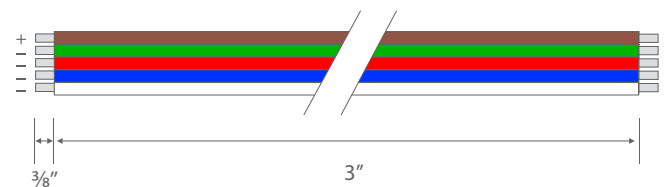
**Step 3:** Choose Suitable Wire Gauge: According to the table (Column 30W & Row 45ft), it's recommended to use 18AWG or up wire between the transformer and LED light to eliminate voltage drop.

Note: This table is calculated based on the theoretical voltage drop formula. The wire quality, the LED light technology and environment conditions affect the result also. This table is only for reference.

## Accessories (Sold Separately)



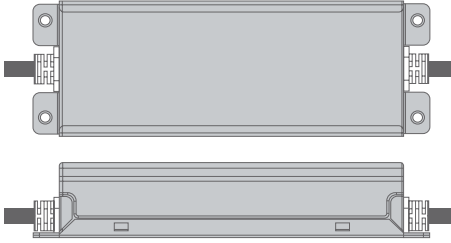
Power Lead Wire  
**GL-PLS-PLW-RGBW-24**



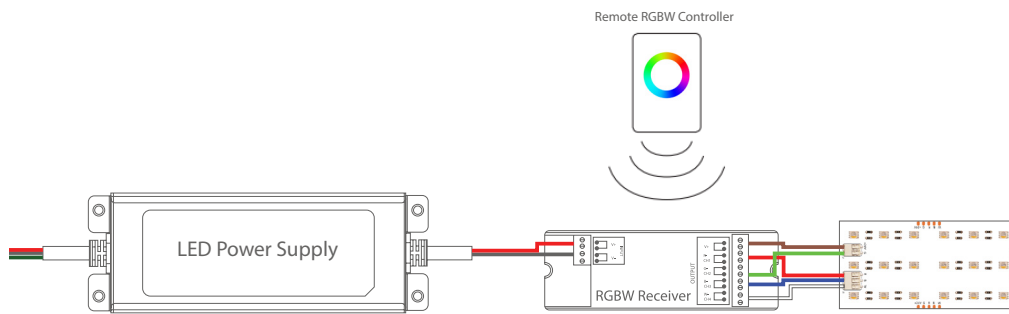
Jumper Wire  
**GL-PLS-JW-RGBW-3**

\*Each sheet of LED pixels light contains 1 piece of Power Lead Wire and 1 piece of Jumper Wire.

## Recommended LED Power Supply (Sold Separately)



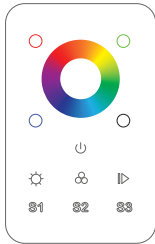
Model No.	Output Voltage	Wattage	Dimensions (L x W x H)	Certificates
XLG-100W-24V	24V	100W	5.51x2.48x1.26in	CE, RU
XLG-150W-24V	24V	150W	7.09x2.45x1.4in	CE, RU
XLG-200W-24V	24V	200W	7.83x2.48x1.4in	CE, RU
HLG-320W-24V	24V	320W	9.9x3.5x1.7in	CE, RU
HLG-600W-24V	24V	600W	11x5.7x1.9in	CE, RU



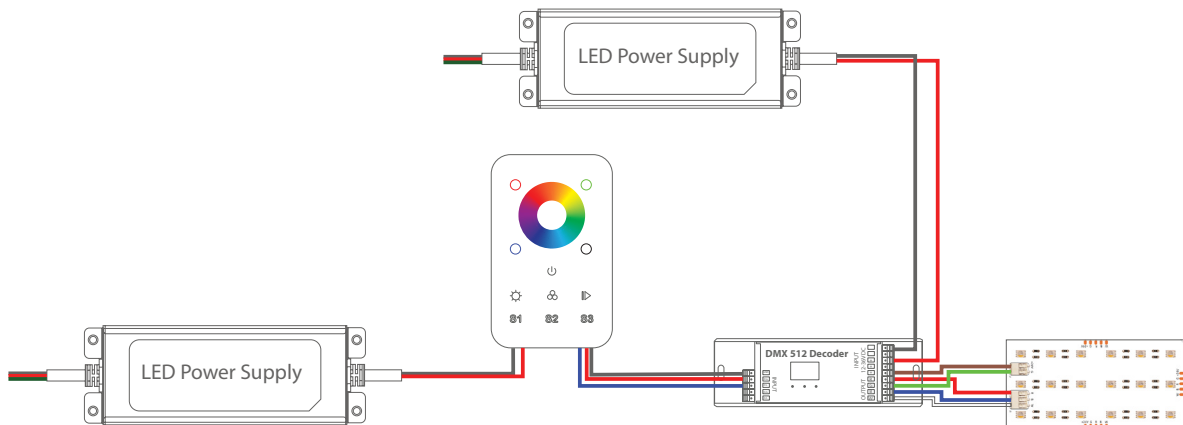
LED Power Supply Wiring Diagram (with RGBW Receiver)

## Recommended Controller (Sold Separately)

### DMX RGBW Wall Mount Controller



Product	Model No.	Dimensions (L x W x H)	Certificates
DMX 1Zone Controller	DMX-RGB-WM-T-1Z-W	4.7x2.9x1.1in	RU, TUV, CE, FC, ROHS
DMX 3Zone Controller	DMX-RGB-WM-T-3Z-W	4.7x2.9x1.1in	RU, TUV, CE, FC, ROHS
DMX Decoder	DMX-DEC-5A4CH	6.5x2.1x0.9in	RU, UL, TUV, CE, FC, ROHS



LED Power Supply Wiring Diagram (with DMX RGBW Wall Mount Controller)

\*This diagram is for references only. Please see the DMX RGB Wall Mount Controller Specification for a more accurate diagram.