48 & 60 & 72 & 96 LED/Meter
RGB PixelFlex LED Tape in 12V DC

Flexible High Frequency LED Tape

8kHz GS8208 PixelFlex LED Tape

This pixel FlexLED strip combines the best of both worlds of higher voltage than the typical 5V pixel products with a higher frequency of PWM dimming. This results in lower voltage drop and requires less power injection. It also is camera friendly up to 267fps. Manufactured in 48, 72, and 96 LED/meter version this RGB PixelFlex LED Tape will be perfect for your next installation.

Avoid voltage drop by positioning power supplies close to the LED strip and/or powering the LED strip from multiple locations
(or via multiple power supplies).
The power supply that is providing power to the controller (PixlArt416) does not need to be the same power supply that is powering the LED strip.
During testing ensure that the pixel strip is receiving the required voltage by doing a volt meter test at the contact pads of the LED strip.

Pixel Product Specification Notes:
The GS8208 pixel is designed by Genesis-Systech in China. This design allows for a constant current pixel system via a series LED connection. This results in a much more stable pixel LED system.
The PWM frequency (dimming frequency) is set by the protocol and cannot be changed. You must ensure you choose the right pixel strip for your application. If you are unsure of what camera settings are going to be in use, it is best to go with high frequency pixel tape (8kHz or higher / GS8208 or APA102).

Soldering Guidelines:
Soldering iron should be between 360°C and 372°C. Please ensure not to heat each solder pad for longer than 3 seconds otherwise separation of the solder pads can occur.

Other Notes:
Indoor, weatherproof, and waterproof versions available. Please contact Moss LED for more information. Strips have double-sided tape on the back which makes installation as easy as peel n stick. Waterproof strips require mounting via silicone glue or mechanical hardware.
Controller, power supply and extension cables are sold separately based on your project.
Quantity discounts available.
Custom, pixel densities, layouts and PCB colour are available.

Please contact us for more information.

N / A	12V	120°	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
CRI	DC	BEAM ANGLE				

c(UL)us LISTED E489028	RoHS	CE	PCB Width 12MM	IP20 INDOOR	RGB

www.mossled.com

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NO:		48 LED/METER	60 LED/METER	72 LED/METER	96LED/METER
1	PRODUCT TYPE	48 LED/METER	60 LED/METER	72 LED/METER	96LED/METER
2	PRODUCT CODE	I12VRGB240GS8208-B	I12VRGB300GS8208-B	I12VRGB360GS8208-B	I12VRGB480GS8208-B
3	CRI / TLCI	N / A			
4	COLOUR TEMPERATURE	N / A			
5	PCB COLOUR	BLACK (custom PCB colours available)			
6	CURRENT, RATING	0.6 A / METER	0.9 A / METER	0.9 A / METER	1.2 A / METER
7	VOLTAGE	12 VDC (10 ~ 14VDC)			
8	WATTAGE	6.5 W / METER	8.15W / METER	9.8W / METER	13W / METER
9	CC / CV	CONSTANT CURRENT			
10	IP RATING	IP43			
11	LUMENS/METER@FULL	488lm / METER	611lm / METER	735lm / METER	975lm / METER
12	LUMEN / WATT	75			
13	LIFETIME*	40,000 HOURS			
14	CUTTING LENGTH	2.084cm INDIV. LED	1.667cm INDIV. LED	1.389cm INDIV. LED	1.042cm INDIV. LED
15	LEDS/METER QUANTITY	48LED / METER	60 LED / METER	72 LED / METER	96 LED / METER
16	NUMBER OF CONTACTS	4			
17	LED TYPE	GS-8208			
18	PCB COPPER QUANTITY	3 Oz.			
19	OPERATING TEMPERATURE RANGE	-40° TO + 70° C			
20	AGENCY RATINGS	UL - E489028, CE, RoHS			
21	PCB WIDTH	12MM	10MM	12MM	
22	MAXIMUM RECOMMENDED LENGTH	5 METERS (can be extended with power injections provided your pixel controller can support the parameters)			
23	VIEWING ANGLE	120°			
24	ADHESION	3M 300MP			
25	WAVELENGTH A: RED	620 ~ 625nm			
26	WAVELENGTH B: GREEN	515 ~ 520nm			
27	WAVELENGTH C: BLUE	460 ~ 465nm			
28	WAVELENGTH D	N / A			
29	DATA TRANSMISSION SPEED	800 kHZ			
30	REFRESH RATE	30 FPS			
31	BIT RATE	8bits data transfer, 12bits in GAMMA correction of PWM display			
32	DATA CLOCK FREQUENCY	N / A			
33	PWM FREQUENCY	8 kHz			

* - NOMINAL LIFETIME BASED ON IDEAL INSTALLATION LOCATION CONDITIONS & ASSUMING MAXIMUM OF 16 HOURS PER DAY OF USE

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