



72 LED/Meter PixelFlex LED Tape RGBW in 5V DC

Mid High Frequency LED Tape

Mid frequency and high quality SK-6812 chips provide individual control to each pixel for dazzling effects and endless possibilities. Control these strips with our PixlArt 416 controller via ArtNet or sACN data signals. Suitable for on-camera use and flicker-free up to 60 fps at some camera settings. 1.2 kHz operating frequency.

Pixel Product Installation Notes:

- The PWM frequency (dimming frequency) is baked into the pixel 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).
- Avoid voltage drop by positioning a power supply 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.

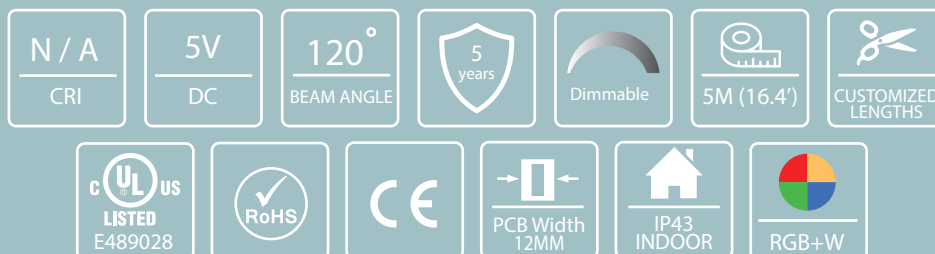
Soldering Guidelines:

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 and weatherproof strips have 3M 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 colour temperatures, pixel densities, and PCB colour are available.

Please contact us for more information.



TECHNICAL SPECIFICATIONS

NO:

PIXELS - RGB

1	PRODUCT TYPE	72 LED/METER	
2	PRODUCT CODE	I5VRGBW65360SK6812-PCB-B	I5VRGBW30360SK6812-PCB-B
3	CRI / TLCI	N / A	
4	COLOUR TEMP. OR WAVELENGTH	6500k +/- 300k	3000k +/- 200k
5	PCB COLOUR	BLACK	
6	CURRENT, RATING	5.76 A / METER	
7	VOLTAGE	3.5 ~ 5.5 VDC	
8	WATTAGE	15 W / METER	
9	CC / CV	CONSTANT VOLTAGE	
10	IP RATING	IP43	
11	LUMENS/METER@FULL	216 lm / METER	260 lm / METER
12	LUMEN / WATT	12	
13	LIFETIME*	30,000 HOURS	
14	CUTTING LENGTH	1.39 CM INDIV. LED	
15	LEDS/METER QUANTITY	72 LED / METER	
16	NUMBER OF CONTACTS	3	
17	LED TYPE	SK6812	
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	
22	MAXIMUM RECOMMENDED LENGTH	5 METERS	
23	VIEWING ANGLE	120	
24	ADHESION	3M 300LSE	
25	WAVELENGTH A	620 ~ 630nm	
26	WAVELENGTH B	515 ~ 530nm	
27	WAVELENGTH C	460 ~ 470nm	
28	WAVELENGTH D	N / A	
29	DATA TRANSMISSION SPEED	800 kbps	
30	REFRESH RATE	30 FPS	
31	PWM FREQUENCY	1.2 kHz	

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

PixelFlex LED Tape RGBW SKU ORDERING CODES

-	I	5	V	RGBW	XX	360	SK6812	PCB-B	-	-
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Qty.	LED Protocol	PCB Colour	PCB Coating	Connector

1 Family Series -	2 IP Rating I IP41 - Indoor Use Only O IP65 - Weatherproof W IP68 - Waterproof	3 Voltage 5V 5VDC (Standard)	4 Voltage Type V Constant Voltage (Standard) C Constant Current (Optional)	5 Colour Temperature Range RGBW RGBW	
6 Colour Temperature 30 3000K 65 6500K	7 LEDs per 5 meter Reel 360 360 LEDs	8 Pixel Protocol SK6812 SK6812	9 PCB Colour Options B Black (Standard) W White (Optional) G Green (Optional) R Red (Optional) Y Yellow (Optional) L Blue (Optional)	10 PCB Coating - No Coating (Standard) GS ENIG Gold Series	11 Connector - No Connector (Standard) 5PM 5 Pin Male Connector

Lead time for custom products are typically 6 - 8 weeks. Please contact us to discuss your project requirements.

INSTALLATION NOTES

Follow all instructions on bag label
 Install indoor product in dry locations only
 Weatherproof is rated at IP67 and Waterproof is rated at IP68.
 Waterproof FlexLED must be mounted using silicone (not provided)

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