

Pixel FlexLED 24V RGBW Mid Frequency Group Chip Control

Flexible High CRI LED Tape

72 LED/Meter RGB+W

A worlds first! High CRI Pixel FlexLED. This product uses the same LED chips as our standard FlexLED RGBW AIO LEDs but is controlled every 6 LEDs.

This is our brightest Pixel FlexLED and at 24VDC allows for longer runs of LED while still allowing for dazzling effects and endless possibilities. Control these strips with our PixlArt 416 controller via ArtNet or sACN data signals.

This pixel control product is lower frequency, meaning it may flicker on camera depending on your camera settings.

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.



PCB Width 12MM	≥95 CRI	24V DC	120° BEAM ANGLE	5 years	Dimmable	5M (16.4')	CUSTOMIZED LENGTHS
UL LISTED E489028	RoHS	CE	UK CA	IP43 INDOOR	RGB+W	RGB	White

TECHNICAL SPECIFICATIONS

NO:

PIXELS - RGBW

1	PRODUCT TYPE	72 LED/METER	72 LED/METER	144 LED/METER
2	PRODUCT CODE	I24VRGBW56360UCS8904	I24VRGBW41360UCS8904	I24VRGBW27360UCS8904
3	CRI / TLCI	<95		
4	COLOUR TEMP. OR WAVELENGTH	5600K	4100K	2700K
5	PCB COLOUR	BLACK		
6	CURRENT, RATING	0.83 A / METER		
7	VOLTAGE	24 VDC		
8	WATTAGE	20 W / METER		
9	CC / CV	CONSTANT CURRENT		
10	IP RATING	IP43		
11	LUMENS/METER@FULL	1500 lm / METER		
12	LUMEN / WATT	75		
13	LIFETIME*	40,000 HOURS		
14	CUTTING LENGTH	8.33 CM		
15	LEDs/METER QUANTITY	72 LED / METER		
16	NUMBER OF CONTACTS	3		
17	LED TYPE	UCS-8904		
18	PCB COPPER QUANTITY	3 Oz.		
19	OPERATING TEMPERATURE RANGE	-40° TO + 70° C		
20	AGENCY RATINGS	UL - E489028, CE, RoHS, UKCA		
21	PCB WIDTH	12MM		
22	MAXIMUM RECOMMENDED LENGTH	5 METERS		
23	VIEWING ANGLE	120°		
24	ADHESION	TESA 4965		
25	WAVELENGTH A	620 ~ 625nm		
26	WAVELENGTH B	515 ~ 520nm		
27	WAVELENGTH C	460 ~ 465nm		
28	WAVELENGTH D	N / A		
29	DATA TRANSMISSION SPEED	800 kbps		
30	REFRESH RATE	25 FPS		
31	BIT RATE	64 BIT		
32	DATA CLOCK FREQUENCY	N / A		
33	PWM FREQUENCY	1kHz		

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

TECHNICAL SPECIFICATIONS

FLEXLED RGBW PIXEL SKU ORDERING CODES

LED Strip Light Specifications										
1	2	3	4	5	6	7	8	9	10	11
Series	IP Rating (IP43)	Operating Voltage	Voltage	Colour Temperature Range	Kelvin	LED Qty.	Chip Type	PCB Colour	PCB Coating	Connector
1 Family Series		2 IP Rating		3 Voltage		4 Voltage Type		5 Colour Range		
-		I IP41 - Indoor Use Only O IP65 - Weatherproof W IP68 - Waterproof		24V 24VDC (Standard) 12V 12VDC (Standard) 5-36V Custom Order		V Constant Voltage (Standard) C Constant Current (Optional)		RGBW RGBW		
6 Colour Temperature		7 LEDs per meter		8 Chip Type		9 PCB Colour Options		10 PCB Coating		11 Connector
27 2700K 40 4000K 56 5600K XX (Custom CCT Available)		360 72 LED/meter XXX Custom LED Density		UCS7604 RGBW Pixel (16khz) UCS8904 RGBW Pixel (2khz)		- Black (Standard - Not Shown) W White (Optional) G Green (Optional) R Red (Optional) Y Yellow (Optional) L Blue (Optional)		- No Coating (Standard) GS ENIG Gold Series		- No Connector (Standard) SPM 5-Pin Male Connector DC DC 2.5 X 5.1MM Barrel 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)

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.

