

### FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

The FXP RGB (PWM) Flexible Panel is a high-density lighting solution designed for slim-profile applications such as signage, backlighting, and architectural features.

Built with 4040 RGB LEDs, it offers smooth colour blending, a long lifespan, and excellent lumen output. Two-panel sizes are available, providing flexibility for a range of layouts.

With supports for PWM, DALI, DMX, and 0-10V dimming, and backed by strong 3M adhesive, the FXP RGB panel ensures secure installation and dynamic lighting control. Rated IP64 and IP22.



### PART NUMBER CONFIGURATOR

Prefix	Length	LED Colour	Control	Voltage	Beam Angle	Led Qty	Mounting
FXP	480 – 480mm 610 – 609.6mm	RGB R G B	DALI DMX PWM 0-10V	24 – 24V DC	120 – 120°	162 288	SM – Screw-mounted AB – Adhesive-Backed F – Framed
<b>EXAMPLE: FXP – 480 – RGB – DMX – 24 – 120 – 162 – SM</b>							

### SPECIFICATIONS

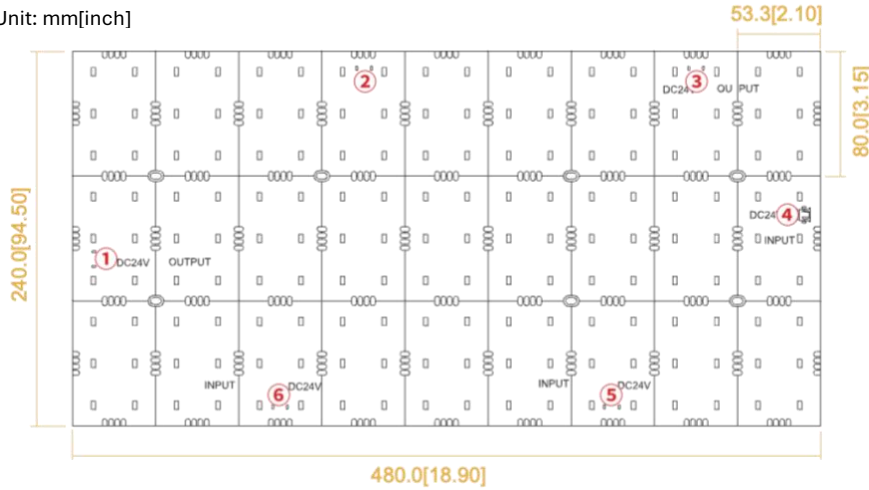
<b>Electrical</b>	<b>Power Consumption</b>	9.72W – 29.16W (RGB-162) / 17.28W – 51.84W (RGB-288)
	<b>Operating Voltage</b>	24V DC
	<b>Operating Temperature</b>	-25°C TO 60°C (-13°F TO 140°F)
	<b>Storage Temperature</b>	-20°C TO 70°C (-4°F TO 158°F)
<b>Physical</b>	<b>Dimensions</b>	480mm (L) x 240mm (H) / 609.6mm (L) x 304.8mm (H)
	<b>Unit Dimensions</b>	53.3mm (L) x 80mm (H) / 50.8mm (L) x 76.2mm (H)
	<b>Housing / Lens</b>	
	<b>Weight</b>	
	<b>IP Rating</b>	IP22 / IP64
	<b>CRI</b>	80+ TO 95+
	<b>Cutttable Units</b>	80mm (162LEDs) / 76.2mm (288LEDs)
	<b>Finish</b>	Flexible PCB with protective coating
	<b>Mounting Options</b>	Screw-mounted, adhesive-backed, or framed
	<b>Source Life</b>	
	<b>Connection</b>	4-pin signal input and output
	<b>Cable Length</b>	Customisable upon request
	<b>Maximum Run Length</b>	
	<b>Humidity Resistance</b>	10% - 90% RH, non-condensing
	<b>UV Resistance</b>	YES
<b>Optical</b>	<b>Beam Angle</b>	120°
	<b>Colour Range</b>	RGB
	<b>LED Type</b>	4040 RGB
	<b>Luminous Flux</b>	962lm – 272lm (162LEDs) / 1710lm – 483lm (288LEDs)
<b>Control</b>	<b>Control Protocols</b>	PWM, 0-10V, DALI, DMX
	<b>Signal Transmission</b>	4-pin signal input and output
<b>Fixture Rating &amp; Certifications</b>	<b>CE, RoHs, UL</b>	
<b>Limited Warranty</b>	<b>3 Year Limited Warranty</b>	Extendable warranty available

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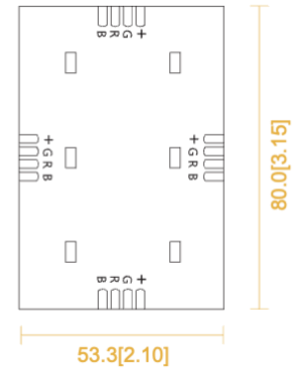
#### DIMENSIONS & CHARACTERISTICS

#### DIMENSIONS – (240x480)

Unit: mm[inch]



Min cuttable unit

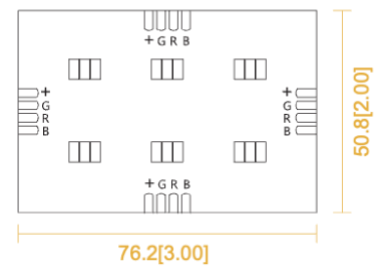


#### DIMENSIONS – (305x610)

Unit: mm[inch]



Min cuttable unit



Note:

Dimensions tolerance: length  $\pm 6\text{mm}$ [0.24inch]; width  $\pm 0.2\text{mm}$ [0.008inch]; thickness  $\pm 0.2\text{mm}$ [0.008inch].

For more info, please consult the sales rep.

Port location	Port name	Port type	Effect	Note
①②③	Signal input	4pin	signal input for external controller	INPUT
④⑤⑥	Signal output	4pin	output connection between light panel	OUTPUT

**FXP | FLEXIBLE PANEL SERIES – RGB (PWM)**

**DIMENSIONS & CHARACTERISTICS**

**CHARACTERISTICS**

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE ILLUMINATION



AVERAGE BEAM ANGLE(50%): 117.3°

Height	Flux Out: 1574lm	Average Illumination (lx)	Emax	Beam Angle: 117.25°	Diameter
0.02m	452234	1700102lx	6.56cm		
0.04m	113059	425025lx	13.12cm		
0.06m	50248	188900lx	19.68cm		
0.08m	28265	106258lx	26.24cm		
0.10m	18083	68004lx	32.80cm		
0.12m	12562	47225lx	39.36cm		
0.14m	9229	34698lx	45.92cm		
0.16m	7066	26584lx	52.48cm		
0.18m	5583	20989lx	59.03cm		
0.20m	4522	17001lx	65.59cm		

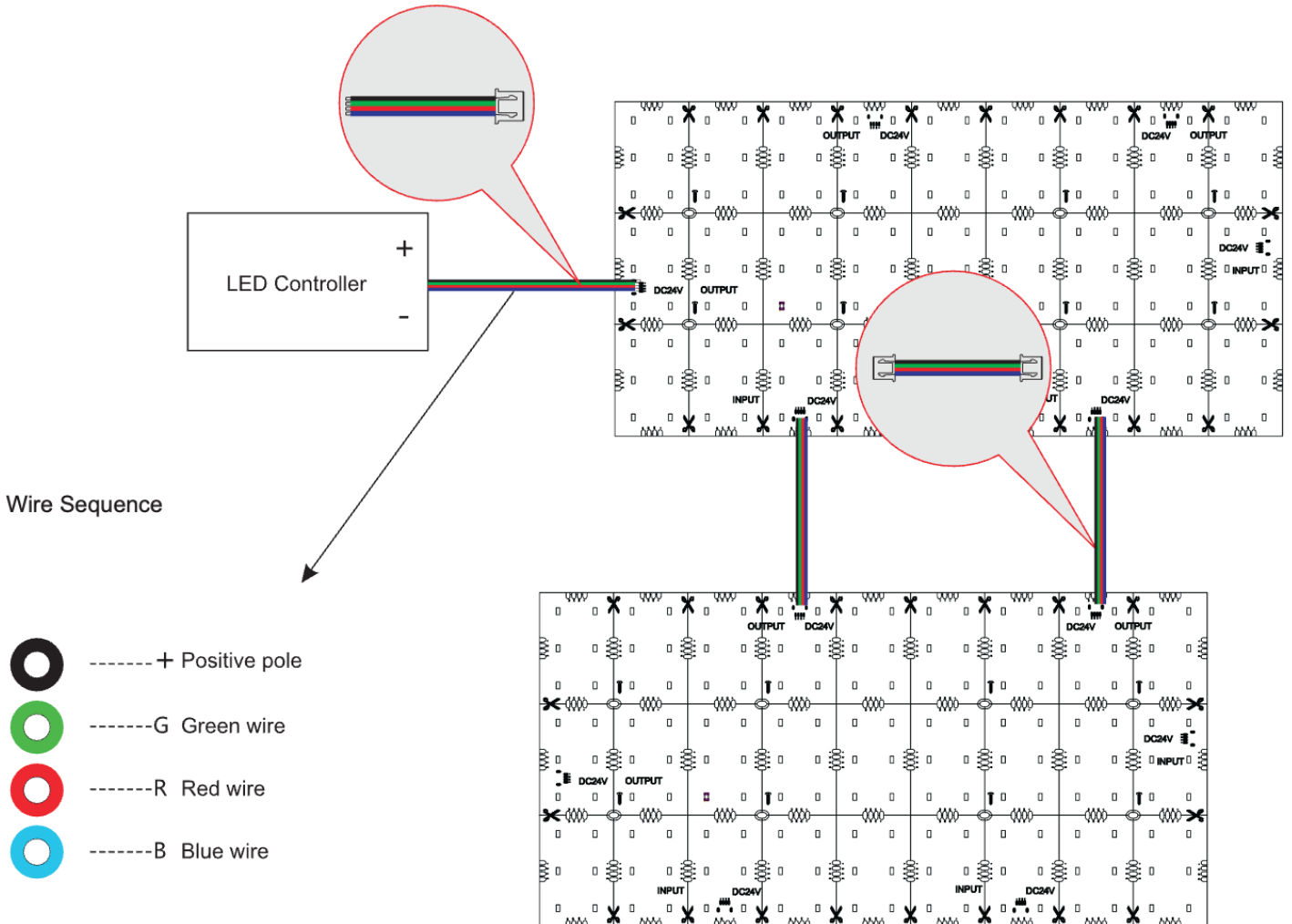
**Note:**

The above two figures are tested with the sample RGB-288 RGB three lights on and under control, for other data please consult the sales rep.

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### WIRING CONSIDERATIONS

#### TYPICAL SYSTEM WIRING DIAGRAM



**Note:**

Please note the wire sequence, to avoid adverse connection.

Standard wire material with wire gauge 20AWG. Use a single wire to connect panels in a single feed, and the max run is 6pcs while using a double wire for connection, the max run is 9pcs.