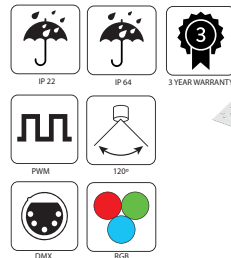


FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

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 609 – 609.6mm	RGB R G B	DA – DALI D – DMX P – PWM 0 – 0-10V	24 – 24V DC	120 – 120°	162 288	SM – Screw-mounted AB – Adhesive-Backed F – Framed

SPECIFICATIONS

Example: FXP – 480 – RGB – DA – 24 – 120 – 162 – SM

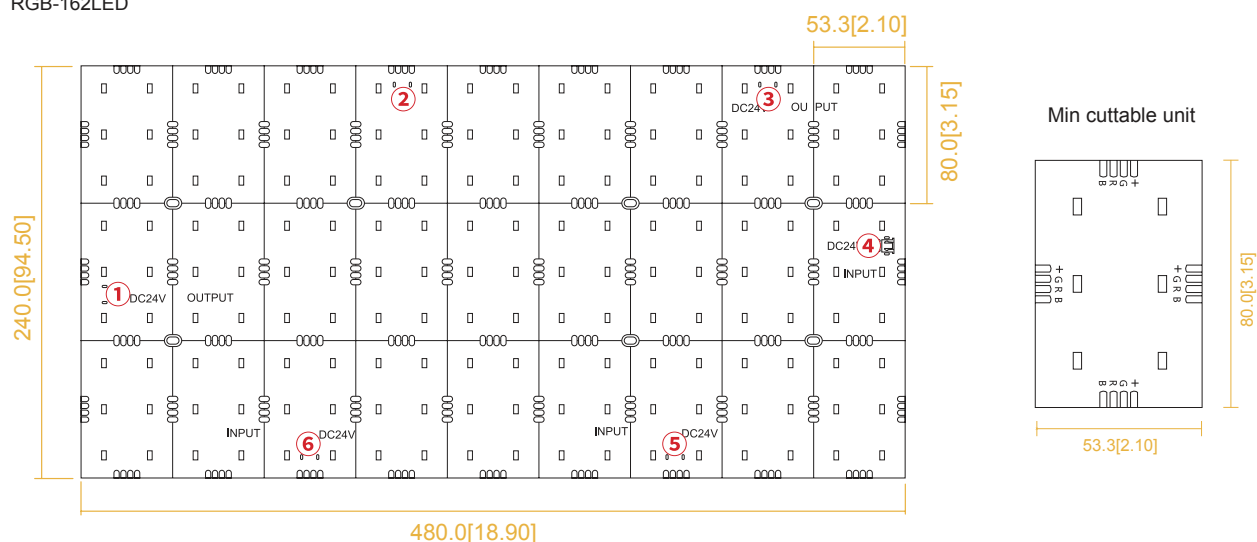
Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	9.72W – 29.16W (RGB-162) / 17.28W – 51.84 (RGB-288) 24V DC -25°C TO 60°C – (-13°F TO 140°F) -20°C TO 70°C – (-4°F TO 158°F)
Physical	Dimensions Unit Dimensions Housing / Lens Weight IP Rating CRI Cutable Units Finish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

FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

DIMENSIONS & CHARACTERISTICS

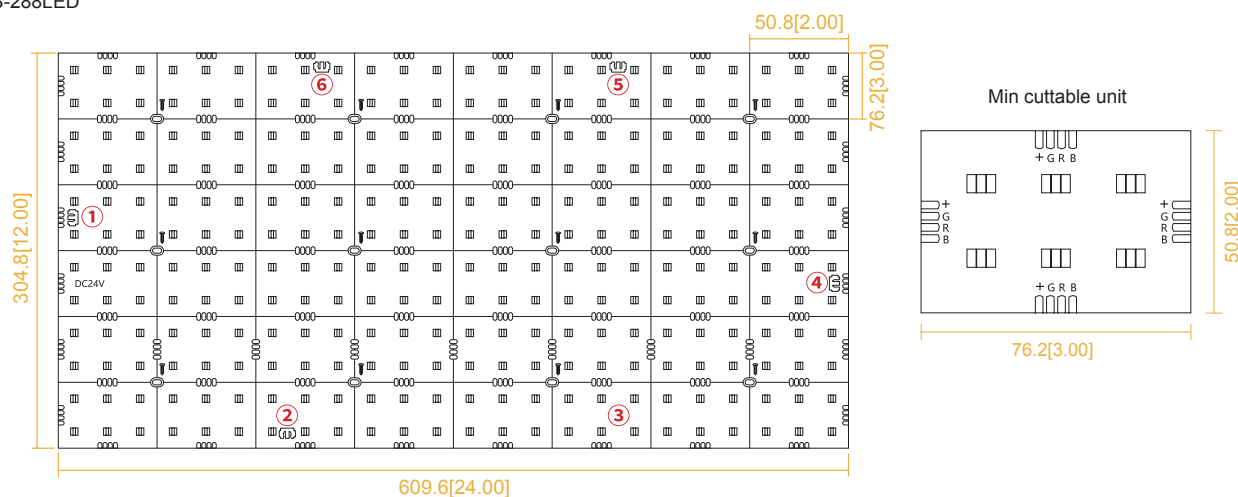
DIMENSIONS – [240x480]

RGB-162LED



DIMENSIONS – [305x610]

RGB-288LED



Note:

Dimension 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 contact sales rep.

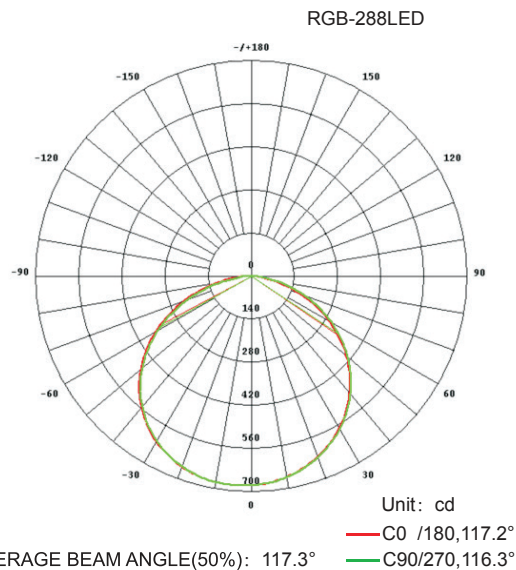
Port location	Port name	Port type	Effect	Note
①②③	Signal input	4pin	signal input for external controller	INPUT
④⑤⑥	Signal output	4pin	output connection between light panel	OUTPUT

FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

DIMENSIONS & CHARACTERISTICS

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE

Flux Out:1574lm		RGB	
		RGB-288LED	
Height	Eavg, 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	28265,106256lx		26.24cm
0.10m	18089,68004lx		32.80cm
0.12m	12562,47225lx		39.36cm
0.14m	9229,34696lx		45.92cm
0.16m	7066,26564lx		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.

FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

