

FXP | FLEXIBLE PANEL SERIES – RGBW (PWM)

The FXP RGBW PWM Flexible Panel is a high-performance LED solution designed for smooth colour control in architectural, commercial, and signage applications.

With integrated red, green, blue, and warm white LEDs, it delivers precise RGBW mixing and strong lumen output for dynamic visual effects.

The FXP panel supports PWM, 0-10V, DALI, and DMX dimming protocols, ensuring wide compatibility. Its slim, flexible, and lightweight design makes it easy to install in indoor environments. It's also rated IP22.



PART NUMBER CONFIGURATOR

Prefix	Length	LED Colour	Control	Voltage	Beam Angle	LED Qty	Mounting
FXP	480 – 480mm	R G B W – 3000K RGB RGBW	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

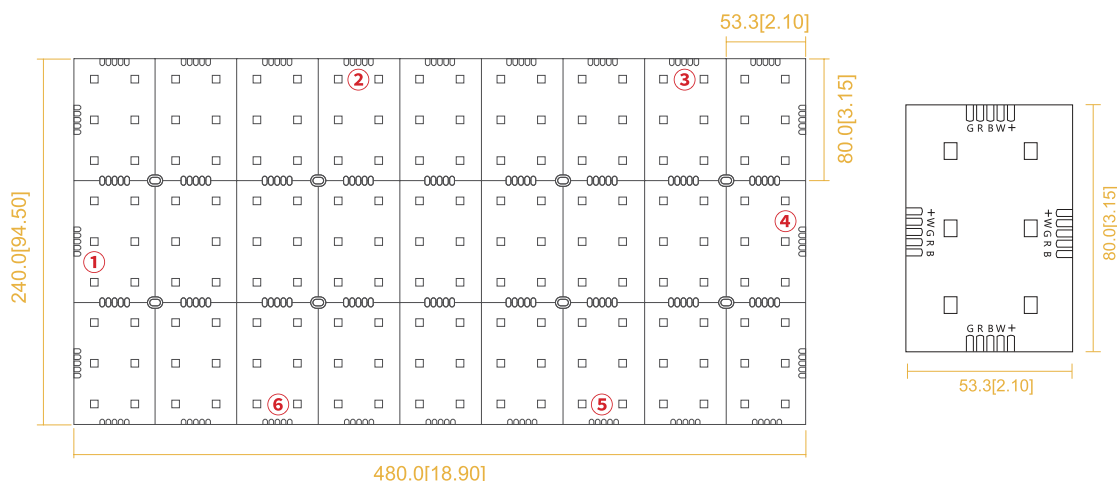
Example: FXP – 480 – RGBW – D – 24 – 120 – 162 – SM

Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	6.48W – 25.92W (RGBW-162) / 11.5W – 46W (RGBW-288) 24V DC -25°C TO 60°C – (-13°F TO 140°F) -25°C TO 70°C – (-13°F TO 158°F)
Physical	Dimensions Unit Dimensions Weight IP Rating CRI Cuttable Units Finish Mounting Options Connection Cable Length Maximum Run Length Humidity Resistance UV Resistance	480mm (L) x 240mm (H) 80mm (L) x 53.5mm (H) IP22 80+ Every LED section for tailored installations Flexible PCB with protective coating Screw-mounted, adhesive-backed, or framed 5-pin signal input and output Customisable upon request 4 panels for power 10% - 90% RH, non-condensing YES
Optical	Beam Angle Colour Range LED Type Pitch Pixel	120° RGBW 5050 RGBW 1034lm @RGBW-162 / 2200lm @RGBW-288
Dimming & Control	Dimming Protocols Signal Transmission	PWM, 0-10V, DALI, DMX 5-pin signal input and output
Fixture Rating & Certifications	CE	
Limited Warranty	3 Years	Extendable Warranty Available

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DIMENSIONS & CHARACTERISTICS

DIMENSIONS



Port location	Port name	Port type	Effect	Note
①②③	Signal input	5pin	external controller signal input	INPUT
④⑤⑥	Signal output	5pin	signal transmission between panels	OUTPUT

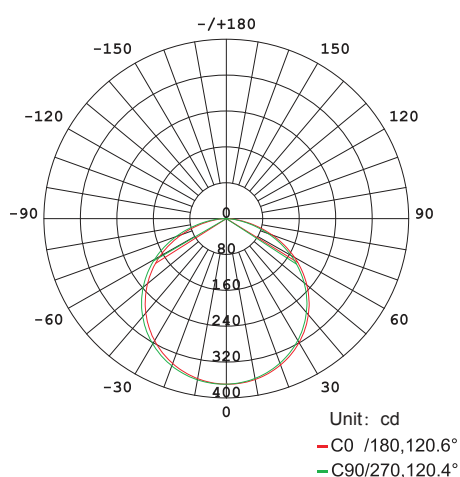
Note:

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].

More info, please consult sales rep.

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 120.5°

Note:The above data are tested with all RGBW lights on.

AVERAGE BEAM ANGLE

Flux Out:798.0lm

1cm	846664,4418079lx	3.46cm
2cm	211666,1104520lx	6.93cm
3cm	94074,490898lx	10.39cm
4cm	52917,276130lx	13.86cm
5cm	33867,176723lx	17.32cm
6cm	23518,122724lx	20.78cm
7cm	17279,90165lx	24.25cm
8cm	13229,69032lx	27.71cm
9cm	10453,54544lx	31.18cm
10cm	8467,44181lx	34.46cm

Height Eavg,Emax Beam Angle:120.00° Diameter

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WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

