

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.



At a glance



Emitters



RGB



Dimensions



Min cuttable unit

53.3(2.11)

80.0(3.15)

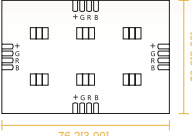
240.0(9.45)

480.0(18.90)

80.0(3.15)

53.3(2.11)

Min cuttable unit



76.2(3.00)

50.8(2.00)

304.8(12.00)

609.6(24.00)

50.8(2.00)

24.0(0.95)

Controls



SPI

Voltage



24V DC

Protection



Ingress – IP22

Ingress – IP64

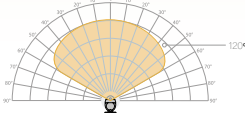
Temperature



-25°C to 60°C

-13°F to 140°F

Optics



120°

Wattage



29.16W

51.84W

FIXTURE PRODUCT CONFIGURATOR

Prefix	LED Qty	Length	LED Colour	Control	Beam Angle	Power	Voltage	Mounting
FXP	162 288	480 – 480mm 609 – 609.6mm	RGB	DA – DALI D – DMX P – PWM O – 0-10V	120 – 120°	29.16 – 29.16W 51.84 – 51.84W	24 – 24V DC	SM – Screw Mount AB – Adhesive-Backed F – Framed

EXAMPLE: FXP – 162 – 480 – RGB – D – 120 – 29.16 – 24 – SM

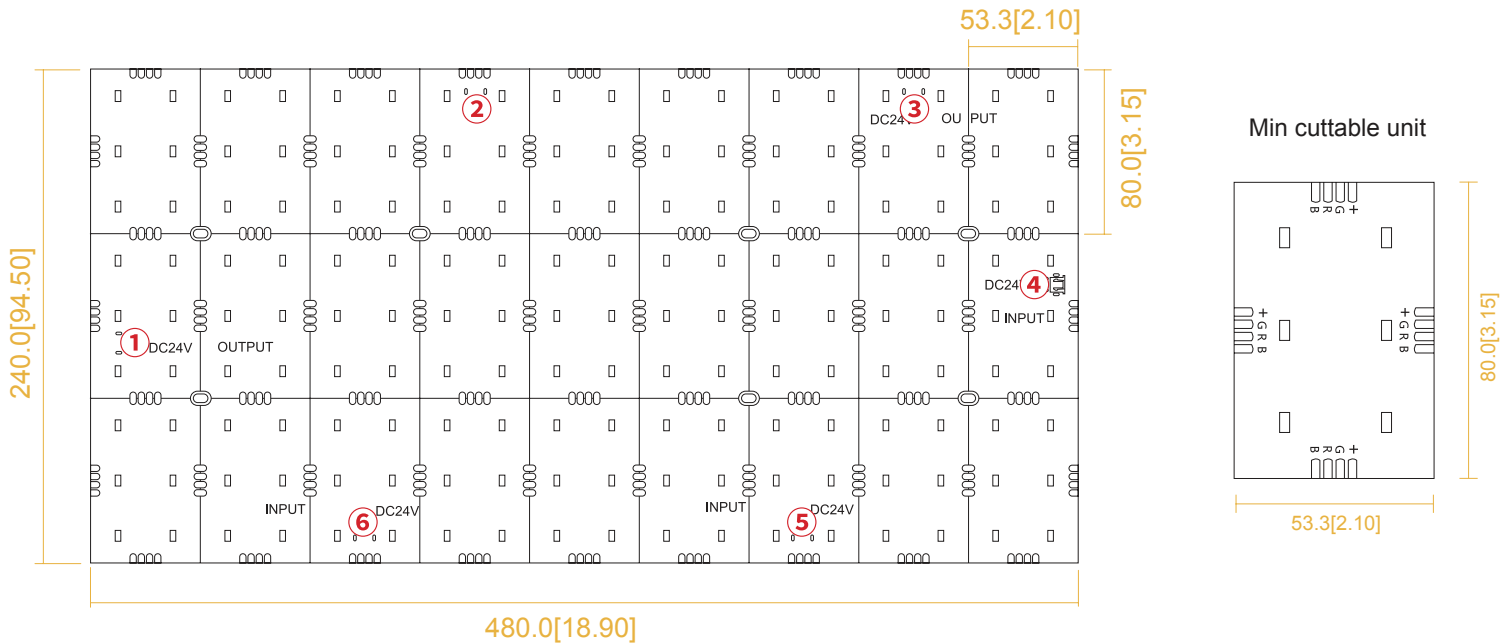
FLEXIBLE PANEL SERIES | RGB PANEL

FXP RGB SPECIFICATIONS

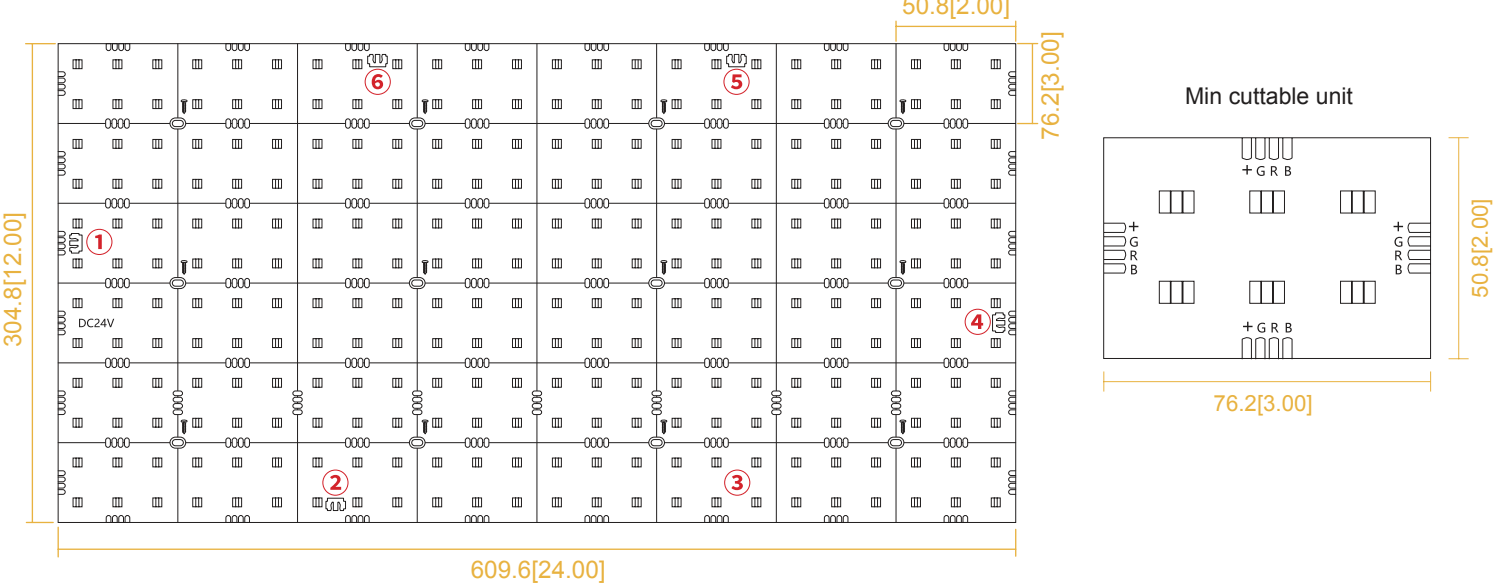
ELECTRICAL	POWER CONSUMPTION OPERATING VOLTAGE OPERATING TEMPERATURE STORAGE TEMPERATURE	29.16W (RGB-162) / 51.84 (RGB-288) 24V DC -25°C TO 60°C – (-13°F TO 140°F) -20°C TO 70°C – (-4°F TO 158°F)
PHYSICAL	STANDARD FIXTURE DIMENSIONS UNIT FIXTURE DIMENSIONS WEIGHT FIXTURE HOUSING CONNECTION IP RATING CRI CUTTABLE UNITS MOUNTING OPTIONS CABLE LENGTH MAXIMUM RUN LENGTH HUMIDITY 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) 113G FLEXIBLE PCB (WITH PROTECTIVE COATING AVAILABLE) 4-PIN SIGNAL INPUT AND OUTPUT IP64 / IP22 80+ TO 95+ 80MM (162LEDS) / 76.2MM (288LEDS) ADHESIVE-BACKED, SCREW MOUNTED, AND FRAMED CUSTOMISABLE UPON REQUEST 4 PANELS FOR POWER (162) / 2 PANELS (288) 10% - 90% RH, NON-CONDENSING
OPTICAL	BEAM ANGLE COLOUR RANGE LED TYPE LUMENS OUTPUT	120° RGB 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 / IP64 / IP22	 
LIMITED WARRANTY	5 YEARS *Extendable warranty available	

DIMENSIONS

FXP RGB DIMENSIONS – [240X480]



FXP RGB DIMENSIONS – [305X610]

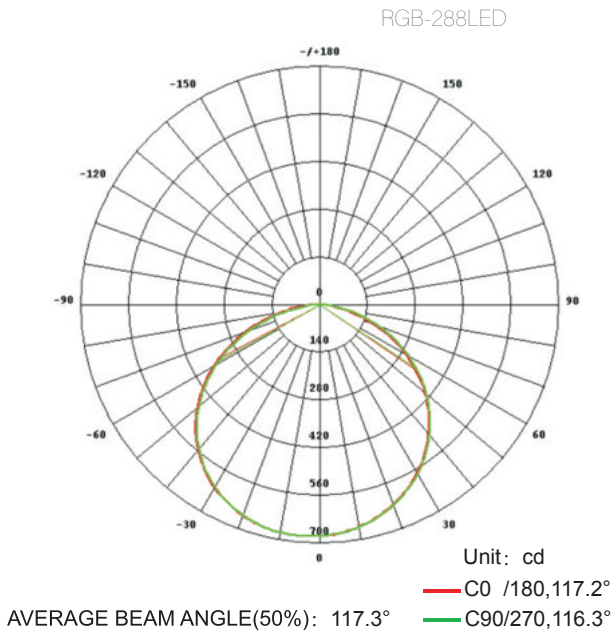


Note:
Dimension tolerance : length $\pm 6\text{mm}$ [0.24inch] ; width $\pm 0.2\text{mm}$ [0.008inch] ; thickness $\pm 0.2\text{mm}$ [0.008inch]
For more info, please contact sales rep.

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

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



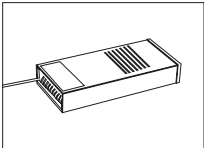
AVERAGE BEAM ANGLE

Flux Out:1574lm		RGB
		RGB-288LED
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
Height Eavg, Emax	Beam Angle:117.25°	Diameter

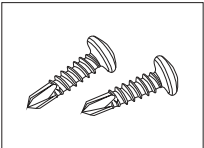
Note:
The above two figures are tested with the sample RGB-288, RGB three lights on and under control, for other data please consult the sales rep.

ACCESSORIES

PRODUCTS AND TOOLS



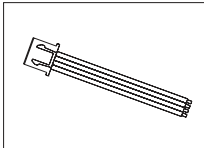
LED power supply



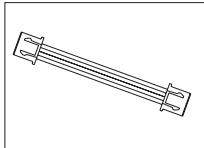
Self-tapping screw



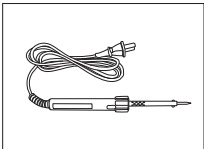
Insulation Tape



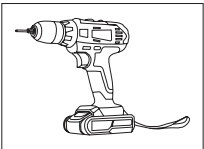
XH-4Y Power cable



XH-4Y Joint line



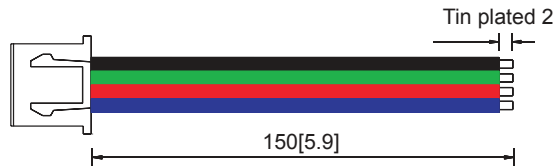
Electric iron



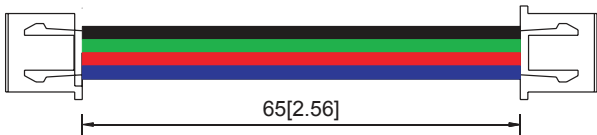
Electric drill

CONNECTORS

POWER CABLE

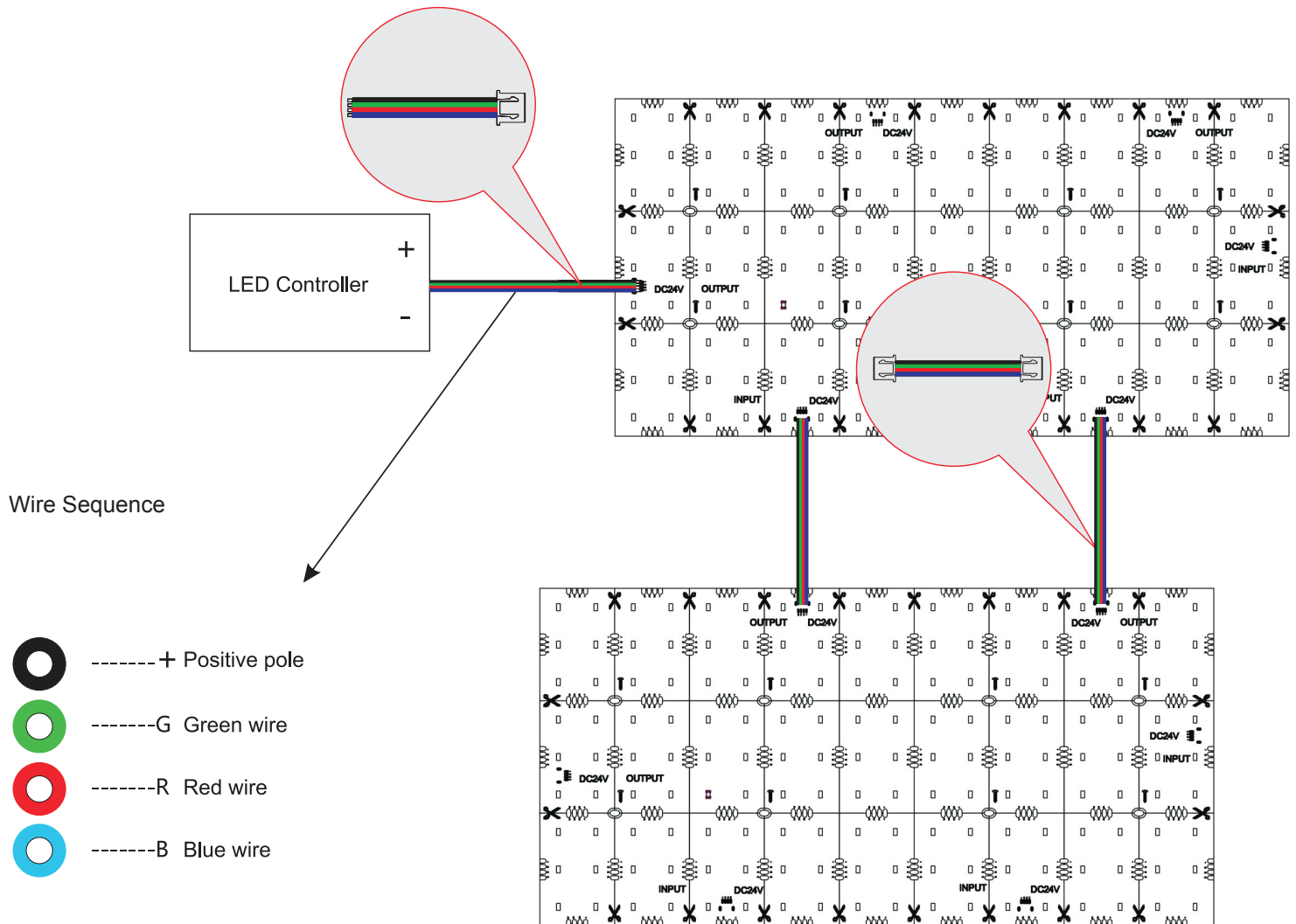


JOINT LINE CABLE



WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM



Note:

Please note the wire sequence, to avoid adverse connection.