

FXP | FLEXIBLE PANEL SERIES – Tuneable White (PWM)

The FXP Tuneable White Flexible Panel is a high-performance LED solution for precise white temperature control in signage backlighting, and architectural applications.

Offering a tuneable range from 2200K to 6500K, it delivers high CRI, smooth dimming, and consistent white balance across various lighting environments.

Its low-profile, flexible design enables easy installation on flat or curved surfaces. Rated IP64 and IP22 for versatile use in protected indoor settings.



PART NUMBER CONFIGURATOR

Prefix	Length	LED Colour	Control	Voltage	Beam Angle	LED Qty	Mounting
FXP	480 – 480mm 609 – 609.9mm	W – White	DA – DALI D – DMX P – PWM O – 0-10V	24 – 24V DC	120 – 120°	324 576	SM – Screw-mounted AB – Adhesive-Backed F – Framed

SPECIFICATIONS

Example: FXP – 480 – W – DA – 24 – 120 – 324 – SM

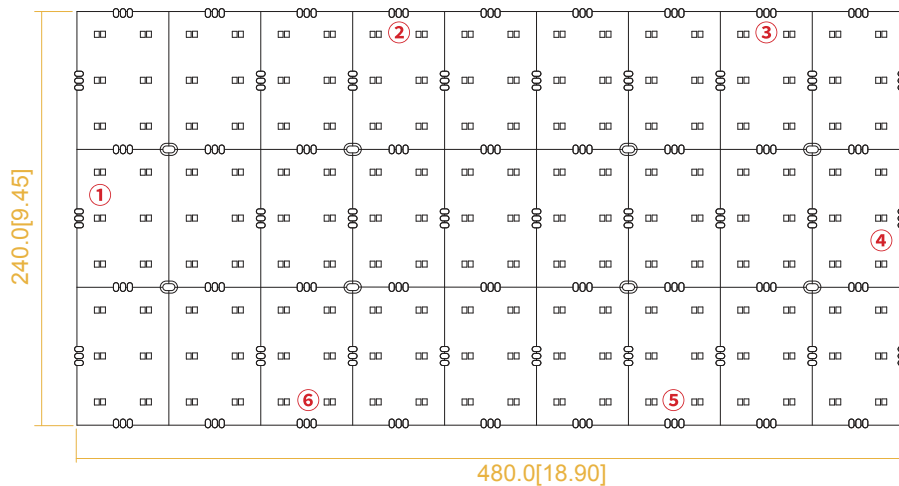
Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	13W – 26W (480mm) / 23W – 26W (610mm) 24V DC -20°C TO 60°C – (-4°F TO 140°F) -20°C TO 70°C – (-4°F TO 158°F)
Physical	Dimensions Unit Dimensions Weight IP Rating CRI Cuttable Units Finish Mounting Options Connection Cable Length Maximum Run Length Humidity Resistance UV Resistance	480mm (L) x 240mm (H) / 610mm (L) x 305mm (H) 53.5mm (L) x 80mm (H) / 76.2mm (L) x 50.8mm (H) IP64 / IP22 80+ TO 95+ 480 – Every 80mm / 610 – Every 76.2mm Flexible PCB with protective coating Screw-mounted, adhesive-backed, or framed 3-pin terminal connection Customisable upon request 4 panels for power 10% - 90% RH, non-condensing YES
Optical	Beam Angle Colour Range LED Type Pitch Pixel	120° White – (2200K – 6500K) 2835 1296lm – 2980lm @324LEDs / 2304lm – 5298lm @576LEDs
Dimming & Control	Dimming Protocols Signal Transmission	PWM, 0-10V, DALI, DMX 3-pin terminal connection
Fixture Rating & Certifications	CE	
Limited Warranty	3 Years	Extendable Warranty Available

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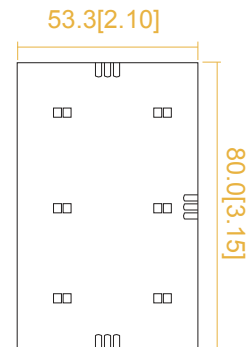
DIMENSIONS & CHARACTERISTICS

DIMENSIONS – [240x480] – 324LED Panel

Unit: mm[inch]

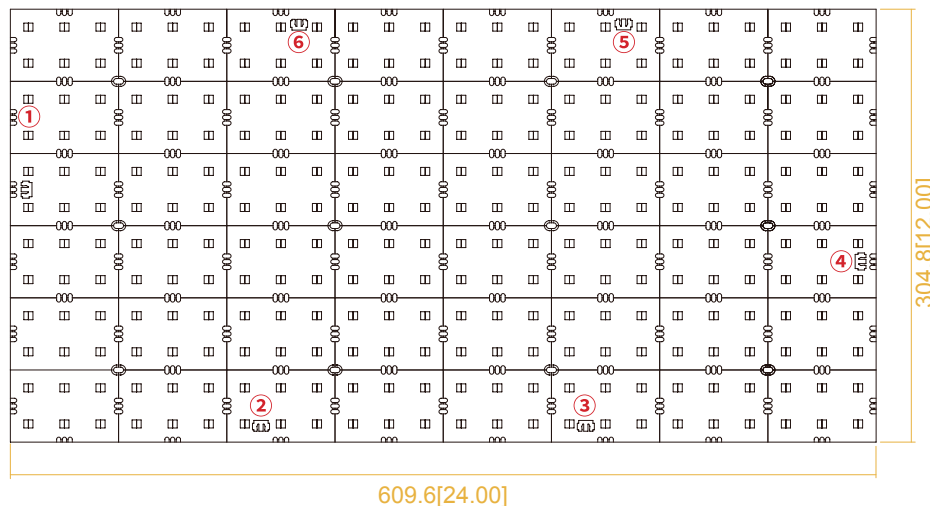


Min cuttable unit

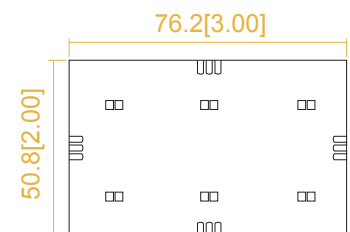


DIMENSIONS – [305x610] – 576LED Panel

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 $\pm 0.02\text{mm}$ [0.008inch]
For more info, please consult a sales rep.

Port Description

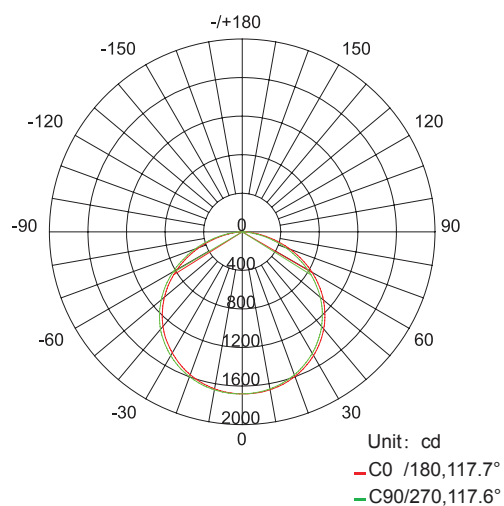
Port location	Port name	Port type	Effect	Note
①②③	Signal input	3pin	signal input for external controller	INPUT
④⑤⑥	Signal output	3pin	output connection between light panel	OUTPUT

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DIMENSIONS & CHARACTERISTICS

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 117.7°

AVERAGE BEAM ANGLE

Flux Out:3888lm		(CCT=2700K)
2cm	1116984,4202304lx	6.60cm
4cm	279246,1050576lx	13.20cm
6cm	124109,466923lx	19.80cm
8cm	69811,262644lx	26.40cm
10cm	44679,168092lx	33.00cm
12cm	31027,116731lx	39.60cm
14cm	22796,85761lx	46.20cm
16cm	17453,65661lx	52.80cm
18cm	13790,51880lx	59.40cm
20cm	11170,42023lx	66.00cm
Height Eavg, Emax	Beam Angle:117.57°	Diameter

Note: above data is calculated from 27K-65K-576-80 @2700K. For more info, please consult a sales rep.

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WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

