

FXP | FLEXIBLE PANEL SERIES – RGB + W

The FXP RGB+W Pixel panel is a flexible, pixel-controlled LED solution designed for creative and immersive lighting applications.

Featuring individually addressable RGB+W LEDs, it delivers smooth colour transitions and dynamic effects with precise control.

Lightweight and bendable, the panel fits both flat and curved surfaces, making it ideal for architectural, commercial, and artistic installations. Rated IP20 and IP64.



PART NUMBER CONFIGURATOR

Prefix	Length	LED Colour	Control	Voltage	Beam Angle	Led Qty	Mounting
FXP	480 – 480mm	W R G B RGB RGB+W	DALI DMX PWM 0-10V	24 – 24V DC	120 – 120°	256	SM – Screw-mounted AB – Adhesive-Backed F – Framed
EXAMPLE: FXP – 480 – RGB+W – DMX – 24 – 120 – 256 – SM							

SPECIFICATIONS

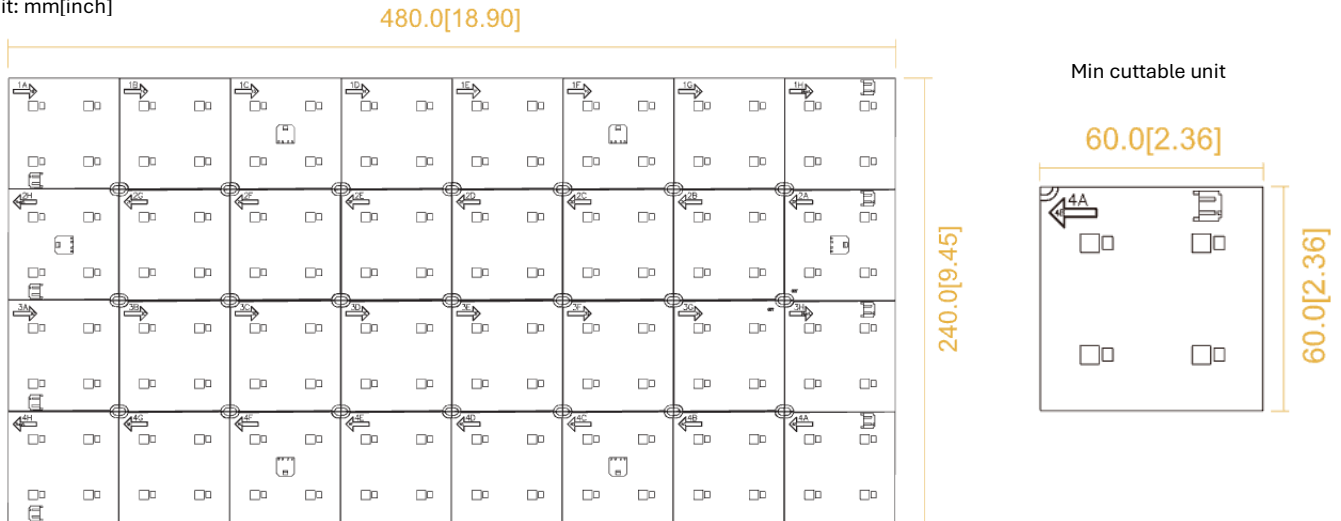
Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	10W – 25W 24V DC -20°C TO 60°C (-4°F TO 140°F) -20°C TO 70°C (-4°F TO 158°F)
Physical	Dimensions Unit Dimensions Housing / Lens Weight IP Rating CRI Cutttable Units Finish Mounting Options Source Life Connection Cable Length Maximum Run Length Humidity Resistance UV Resistance	480mm (L) x 240mm (H) 60mm (L) x 60mm (H) IP22 / IP64 90+ Every LED section for tailored installation 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 Luminous Flux	120° RGB+W Individually Addressable RGB+W 76lm – 621lm (256LEDs)
Control	Control Protocols Signal Transmission	PWM, 0-10V, DALI, DMX 4-pin signal input and output
Fixture Rating & Certifications	CE, RoHs, UL	
Limited Warranty	2 Year Limited Warranty	Extendable warranty available

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DIMENSIONS & CHARACTERISTICS

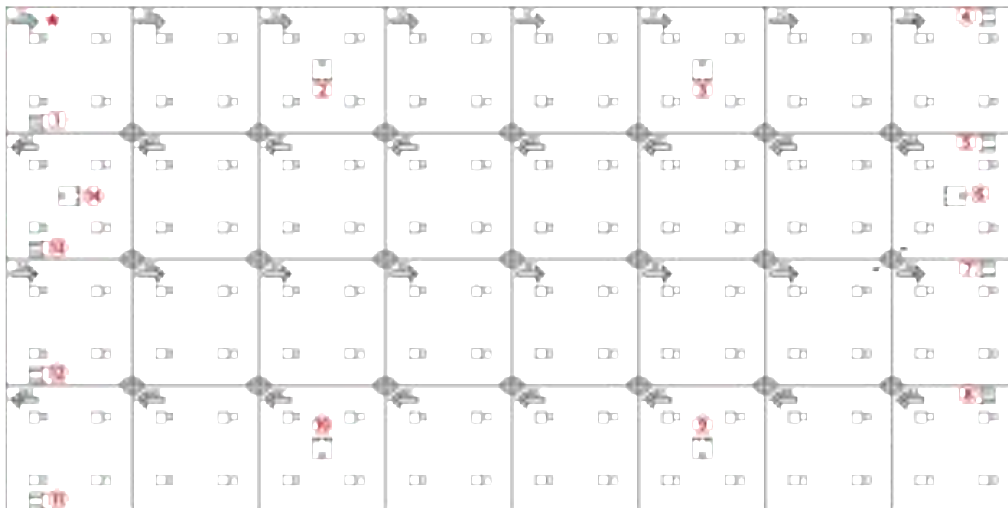
DIMENSIONS – (240x480)

Unit: mm[inch]



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 consult a sales rep.



Note: The arrow indicates the direction of signal transmission;

Port Description

Port location	Port name	Port type	Effect	Note
②③⑤⑥⑧⑩	Power input / output	2pin	Power input / output	Use HIRB terminal
①⑤⑧⑫	Signal input	2pin	External SPI signal input	Use PH terminal wire
④⑦⑪⑬	Signal output	2pin	Internal SPI signal output	Use PH terminal wire

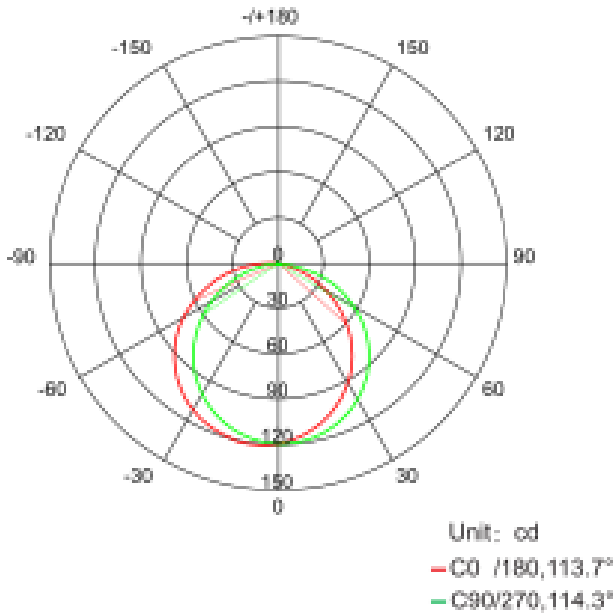
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DIMENSIONS & CHARACTERISTICS

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

Luminous Intensity Distribution Diagram

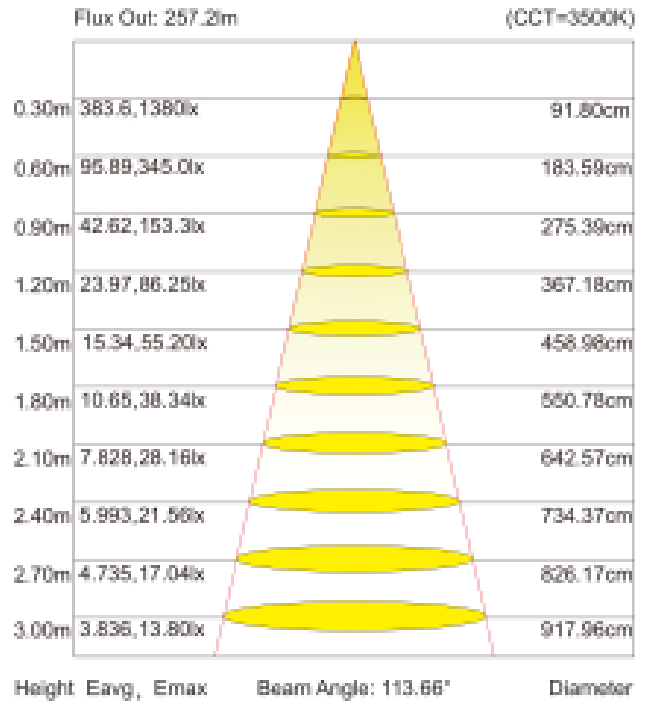


AVERAGE BEAM ANGLE(50%): 114.0°

Note:
 For more info, please consult a sales rep.

AVERAGE ILLUMINATION

Average Illumination

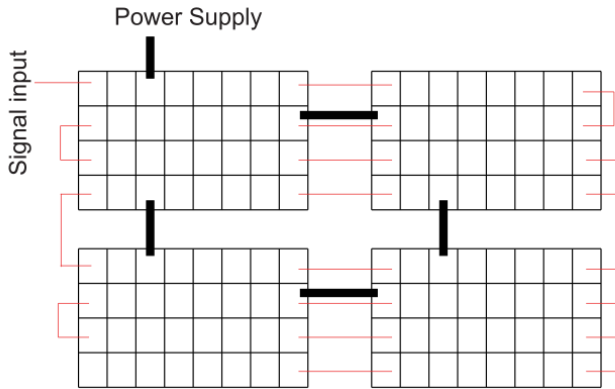


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WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

Method 1



Wiring sequence of the terminal

- Signal wire(PH terminal wire)
- Power supply cord(HRB terminal)

Note:
The power supply and the controller need to be grounded

Note:

- Please pay attention to the arrow's direction when connecting the control board.
- If the terminal wires are connected from the output of one panel to the input of another, please pay attention to the orientation of the light panel. If the orientation is incorrect, the light panel will not light up.
- In method 2, the resistors are connected in series, the connectors between the panels are for signal transmission, and the resistors should be welded at FI / FO / DI / DO before connecting.

Method 2

