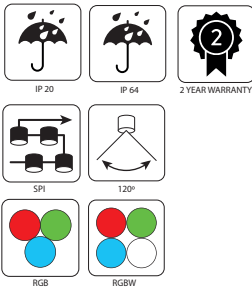


FXP | FLEXIBLE PANEL SERIES – RGB + W PIXEL

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 segments.

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



PART NUMBER CONFIGURATOR

Prefix	LED Qty	Length	LED Colour	White CCT	Control	Beam Angle	Power	Voltage	Mounting	IP
FXP	256	480 – 480mm	RGB RGB+W	27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 65K – 6500K	S – SPI	120 – 120°	20 – 20W 25 – 25W	24 – 24V DC	SM – Screw-mounted AB – Adhesive-Backed F – Framed	20 – No Coating 64 – With Coating

Example: FXP – 256 – 480 – RGB+W – 27K – S – 120 – 20 – 24 – SM – 20

SPECIFICATIONS

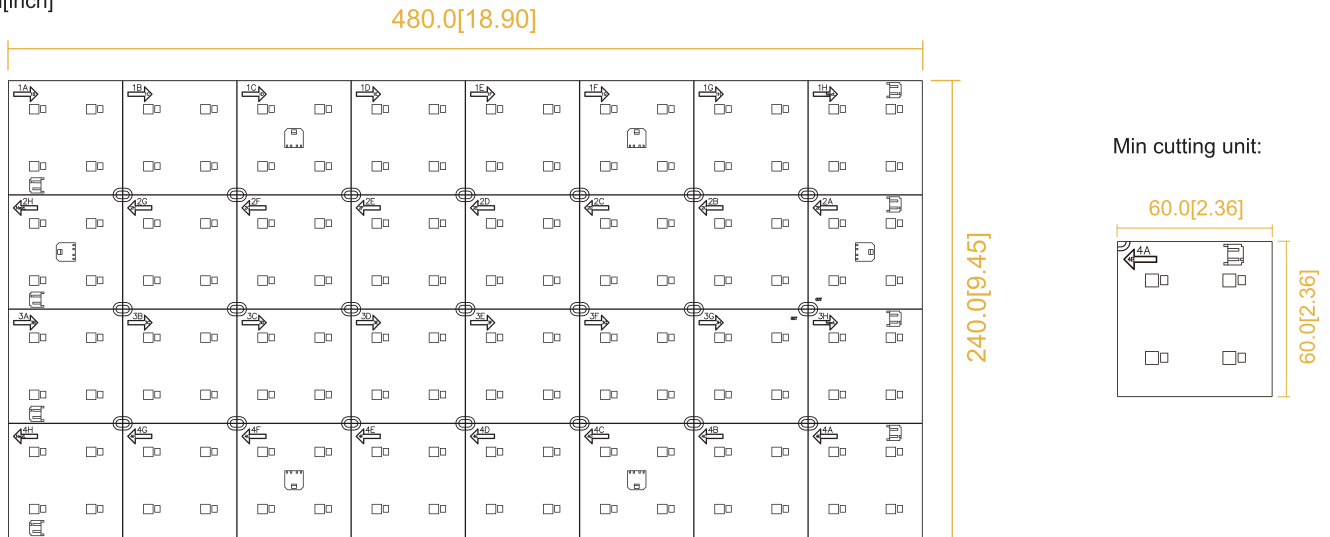
Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	20W/pcs (RGB), 25W/pcs (RGB+W) 24V DC -20°C TO 60°C – (-4°F TO 140°F) -20°C TO 70°C – (-4°F TO 158°F)
Physical	Dimensions Unit Dimensions Weight IP Rating CRI Cuttable Units Finish Mounting Options Connection Cable Length Maximum Run Length Humidity Resistance	480mm (L) x 240mm (H) 60mm (L) x 60mm (H) 104g IP64 with coating / IP20 90+ Every LED section for tailored installation (8 LEDs per section) Flexible PCB (with protective coating available) Adhesive-backed with screw holes 2-Pin Data/GND & 2 Pin V+/GND with accessories Customisable upon request 4 panels for power 10% - 90% RH, non-condensing
Optical	Beam Angle Colour Range LED Type Lumens Output Pixel Pitch	120° RGB, RGB+W (2700K, 3000K, 3500K, 4000K, 5000K, 6500K) 5050+2835 620lm (RGB+W), 339lm (RGB) LED Pitch
Diming & Control	Dimming Protocols	SPI UCS2903 (RGB), UCS2904 (RGBW)
Fixture Rating & Certifications	CE	CE
Limited Warranty	2 Years	Extendable Warranty Available

FXP | FLEXIBLE PANEL SERIES – RGB + W PIXEL

DIMENSIONS & CHARACTERISTICS

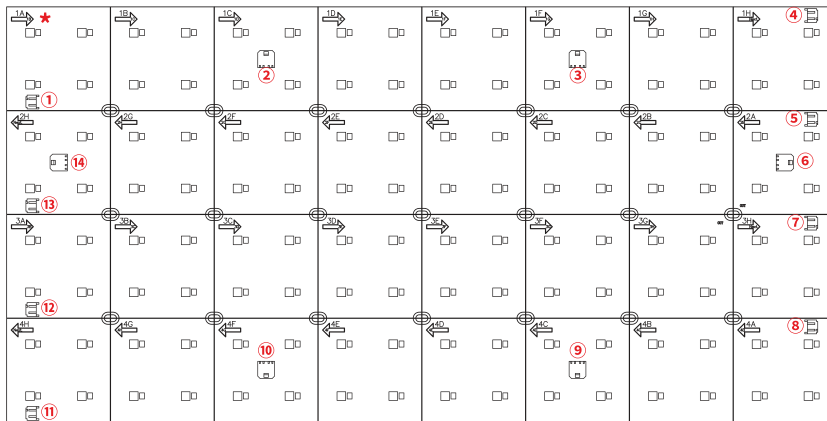
DIMENSIONS – [240x480]

Unit:mm[inch]



Note:

Dimensions tolerance: length $\pm$ 6mm [0.24inch]; width $\pm$ 0.2mm [0.008inch]; thickness $\pm$ 0.2mm[0.008inch]



Note: The arrow indicates the direction of signal transmission

Port Description

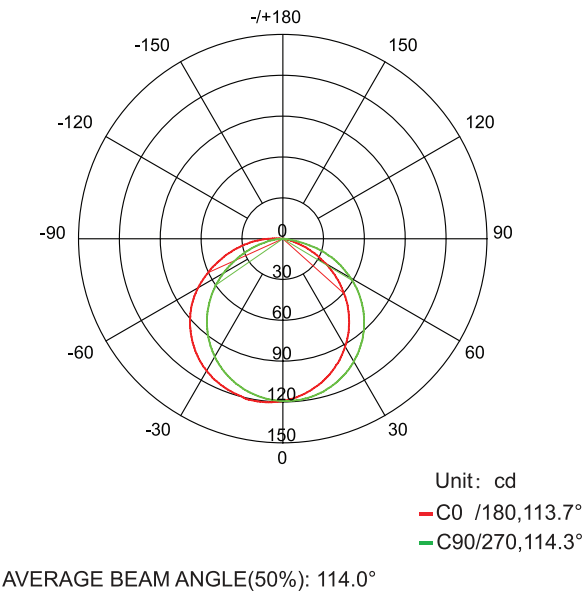
Port location	Port name	Port type	Effect	Note
②③⑥⑨⑩⑭	Power input / output	2pin	Power input / output	Use HRB terminal
①⑤⑧⑫	Signal input	2pin	External SPI signal input	Use PH terminal wire
④⑦⑪⑬	Signal output	2pin	Internal SPI signal output	Use PH terminal wire

FXP | FLEXIBLE PANEL SERIES – RGB + W PIXEL

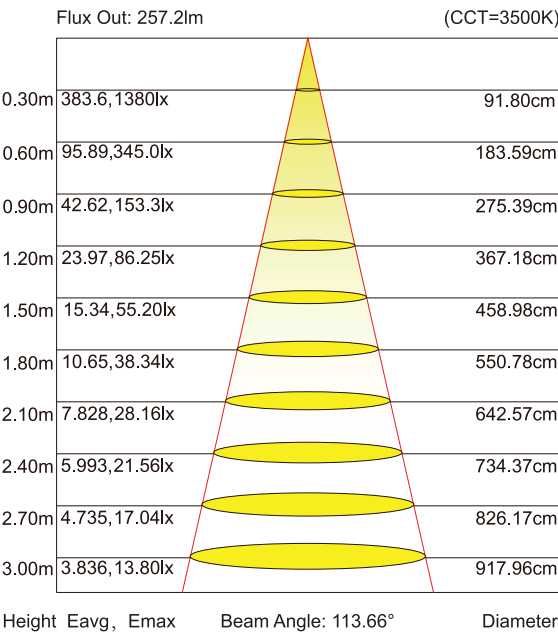
DIMENSIONS & CHARACTERISTICS

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



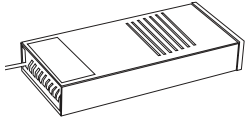
AVERAGE BEAM ANGLE



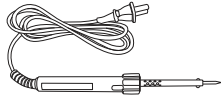
FXP | FLEXIBLE PANEL SERIES – RGB + W PIXEL

ACCESSORIES

PRODUCTS AND TOOLS



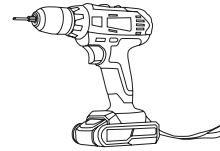
LED power
supply



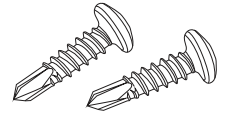
Electric
iron



Insulation
Tape

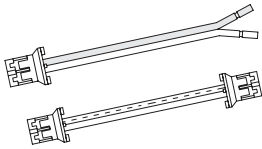


Electric
drill

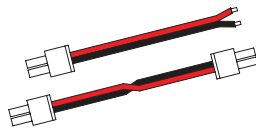


Self-tapping
screw

CONNECTORS



PH2.0-Y
Connector



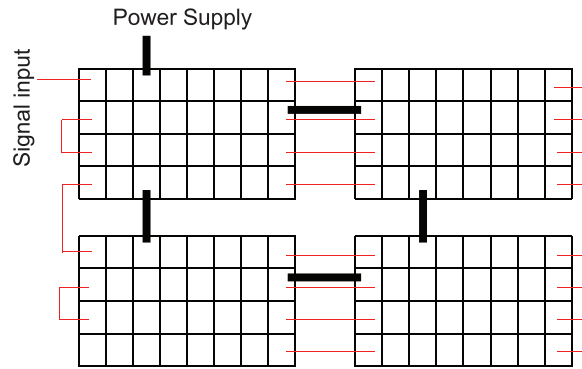
HRB
Connector

FXP | FLEXIBLE PANEL SERIES – RGB + W PIXEL

WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

Method 1

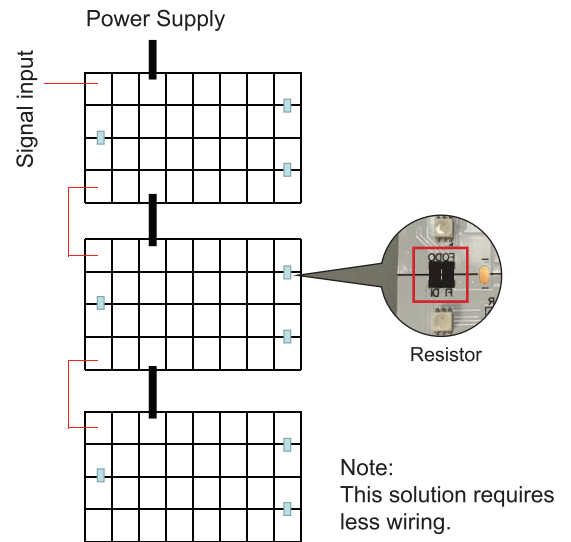


Wiring sequence of the terminal

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

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

Method 2



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 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.