# 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 is also rated IP22.

## PART NUMBER CONFIGURATOR

| Prefix | Length | LED Colour | Control | Voltage | Beam Angle | Led Qty | Mounting |
|---|---|---|---|---|---|---|---|
| FXP | 480 – 480mm | RGBW(30K)<br>RGBW(40K)<br>RGBW(60K)<br>RGBW<br>RGB<br>DW | DALI<br>DMX<br>PWM<br>0-10V | 24 – 24V DC | 120 – 120° | 162<br>288 | SM – Screw-mounted<br>AB – Adhesive-Backed<br>F – Framed |
| **EXAMPLE:** FXP – 480 – RGBW – DALI – 24 –120 – 162 – 24 – SM | | | | | | | |

## SPECIFICATIONS

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



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
VISIT LEDCTRL.COM FOR THE MOST CURRENT SPECIFICATION.

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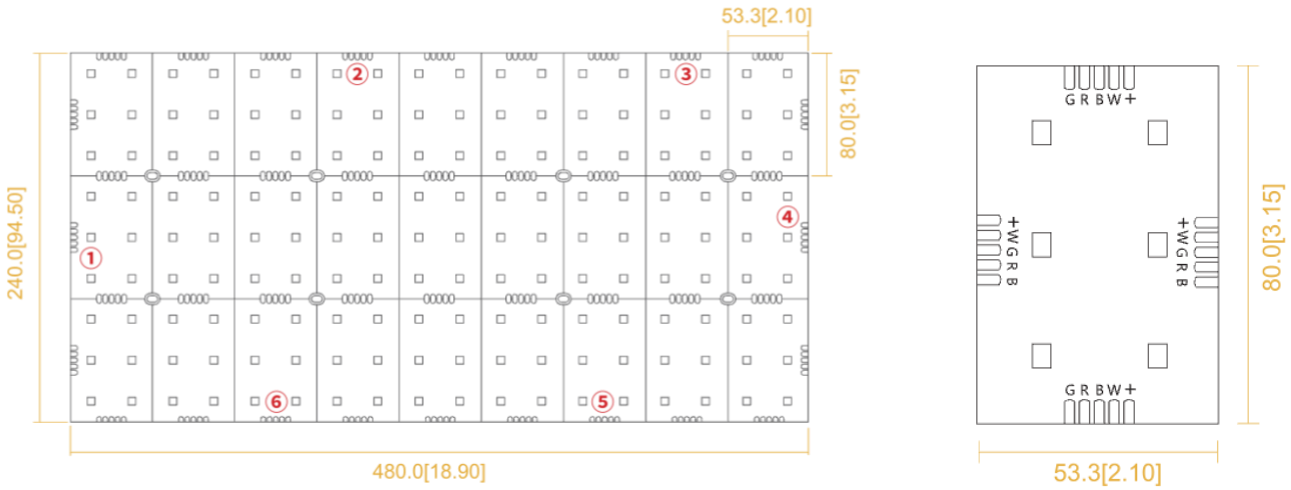
## DIMENSIONS & CHARACTERISTICS

### DIMENSIONS

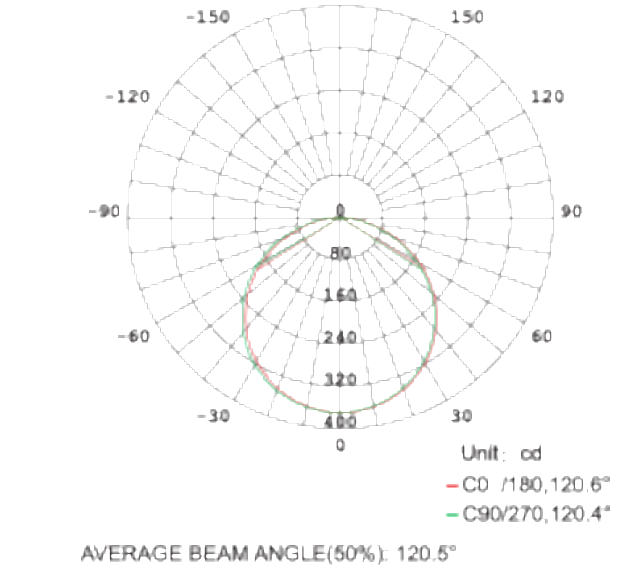



| Port location | Port name | Port type | Effect | Note |
|---|---|---|---|---|
| ①②③ | Signal input | 5pin | external controller signal input | INPUT |
| ④⑤⑥ | Signal output | 5pin | signal transmission between panels | OUTPUT |

Note:
Dimension tolerance: length ±6mm[0.24inch; width ±0.2mm[0.008inch; thickness ±0.2mm[0.008inch].
More info, please consult sales rep.

### CHARACTERISTICS

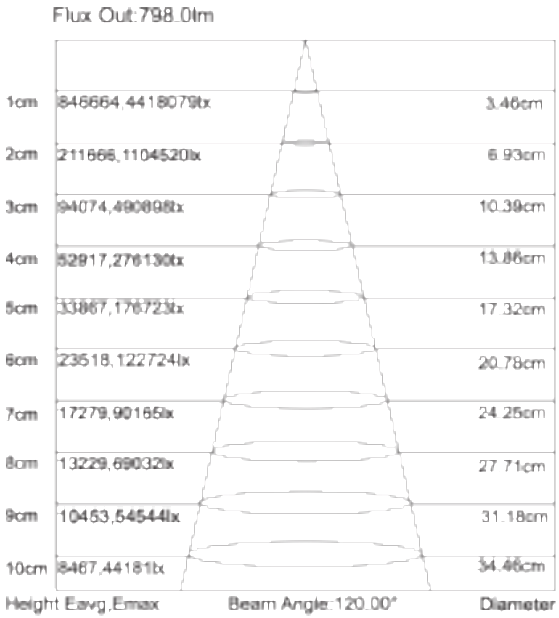
#### LUMINOUS INTENSITY DISTRIBUTION DIAGRAM




AVERAGE BEAM ANGLE(50%): 120.5°

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

#### AVERAGE ILLUMINATION



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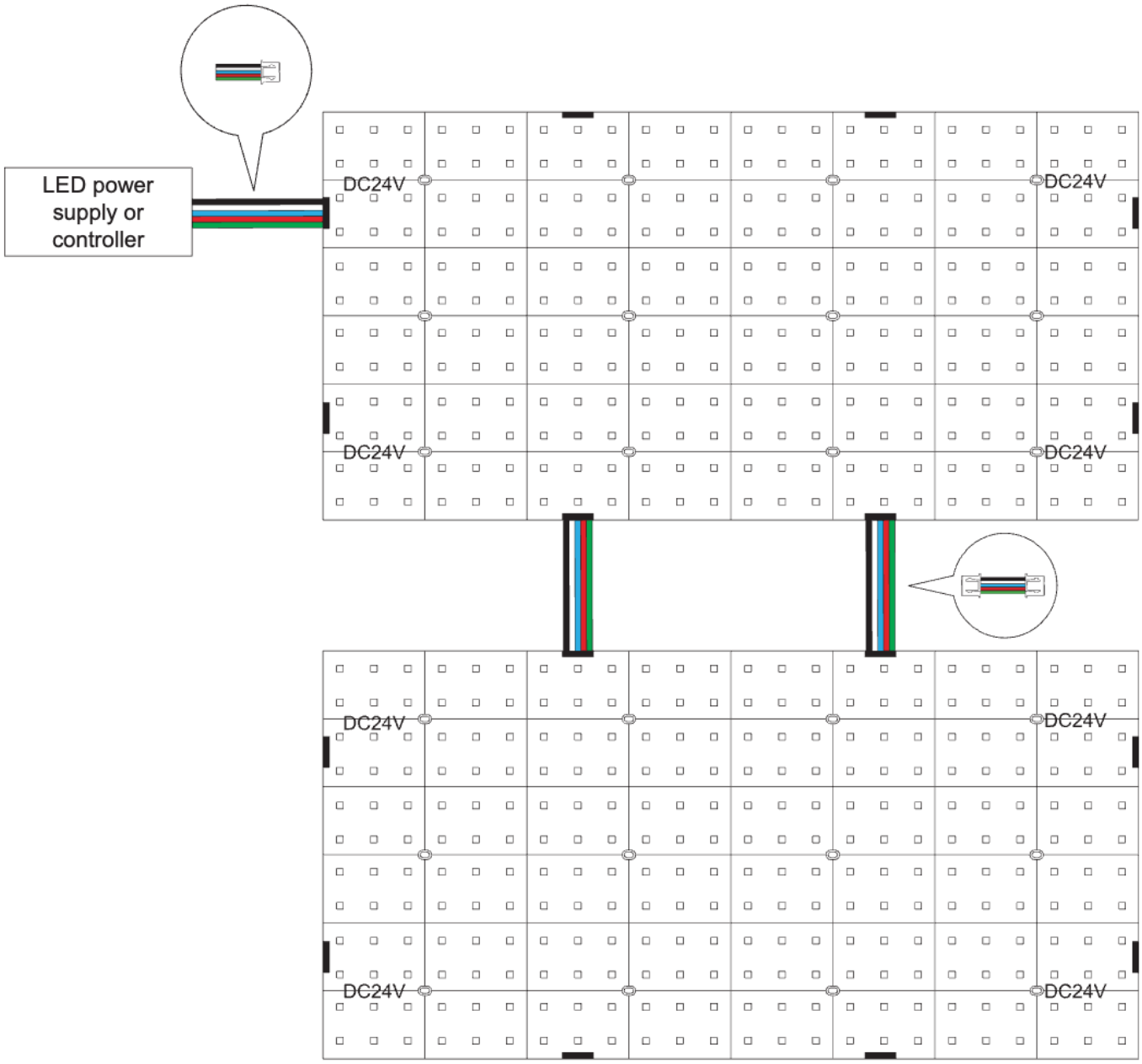
## WIRING CONSIDERATIONS

### TYPICAL SYSTEM WIRING DIAGRAM



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