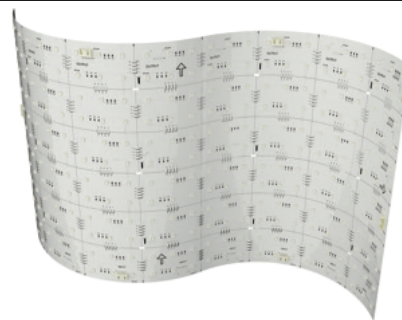
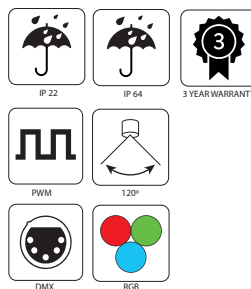


## FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

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.



### PART NUMBER CONFIGURATOR

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

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

### SPECIFICATIONS

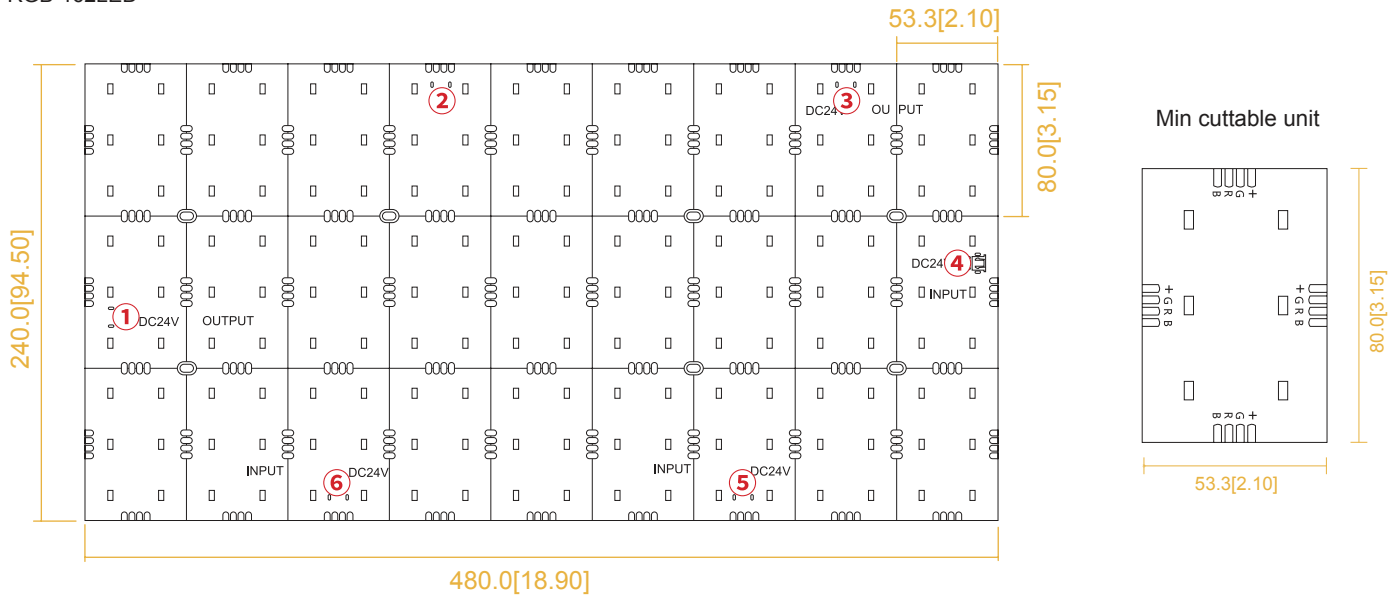
|                                 |                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical                      | Power Consumption<br>Operating Voltage<br>Operating Temperature<br>Storage Temperature                                                                                                                   | 29.16W (RGB-162) / 51.84 (RGB-288)<br>24V DC<br>-25°C TO 60°C – (-13°F TO 140°F)<br>-20°C TO 70°C – (-4°F TO 158°F)                                                                                                                                                                                                                                                                            |
| Physical                        | Dimensions<br>Unit Dimensions<br>Weight<br>IP Rating<br>CRI<br>Cutttable Units<br>Finish<br>Mounting Options<br>Connection<br>Cable Length<br>Maximum Run Length<br>Humidity Resistance<br>UV Resistance | 480mm (L) x 240mm (H) / 609.6mm (L) x 304.8mm (H)<br>53.3mm (L) x 80mm (H) / 50.8mm (L) x 76.2mm (H)<br>113g<br>IP64 / IP22<br>80+ TO 95+<br>80mm (162LEDs) / 76.2mm (288LEDs)<br>Flexible PCB with protective coating<br>Screw-mounted, adhesive-backed, or framed<br>4-pin signal input and output<br>Customisable upon request<br>4 panels for power<br>10% - 90% RH, non-condensing<br>YES |
| Optical                         | Beam Angle<br>Colour Range<br>LED Type<br>Pitch Pixel                                                                                                                                                    | 120°<br>RGB<br>4040 RGB<br>962lm – 272lm (162LEDs) / 1710lm – 483lm (288LEDs)                                                                                                                                                                                                                                                                                                                  |
| Diming & Control                | Dimming Protocols<br>Signal Transmission                                                                                                                                                                 | PWM, 0-10V, DALI, DMX<br>4-pin signal input and output                                                                                                                                                                                                                                                                                                                                         |
| Fixture Rating & Certifications | CE                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                |
| Limited Warranty                | 3 Years                                                                                                                                                                                                  | Extendable Warranty Available                                                                                                                                                                                                                                                                                                                                                                  |

## FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

### DIMENSIONS & CHARACTERISTICS

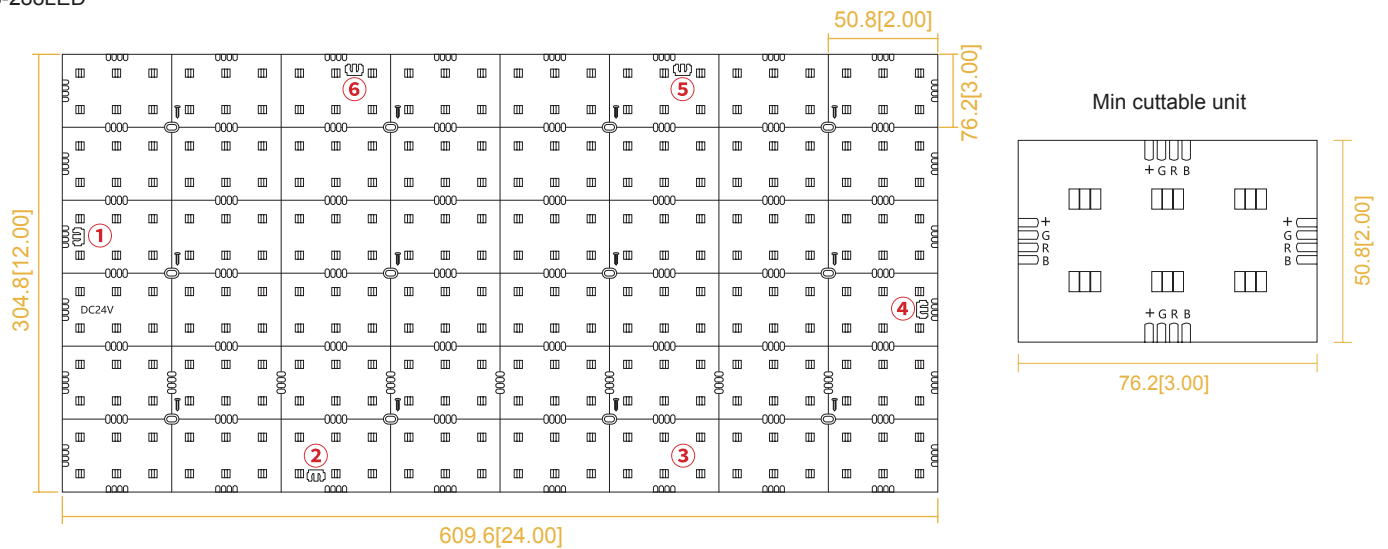
#### DIMENSIONS – [240x480]

RGB-162LED



#### DIMENSIONS – [305x610]

RGB-288LED



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 |

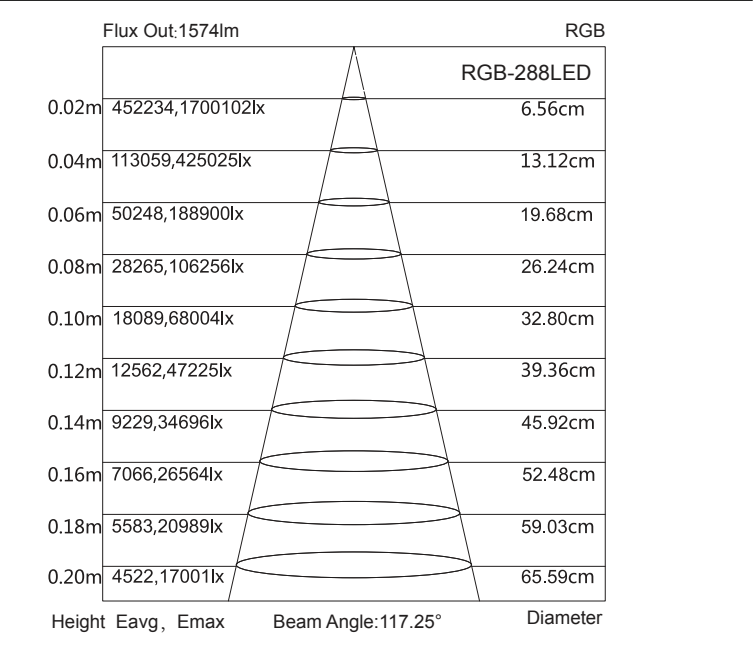
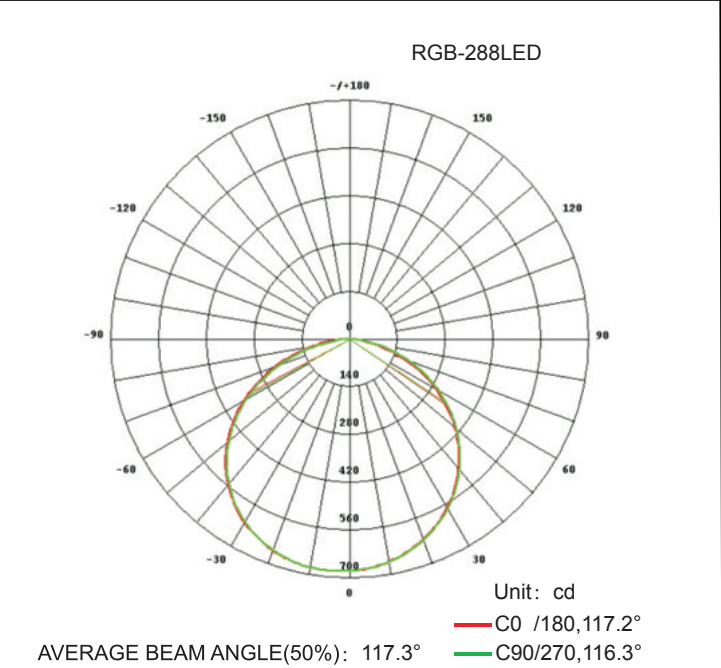
FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

DIMENSIONS & CHARACTERISTICS

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

AVERAGE BEAM ANGLE



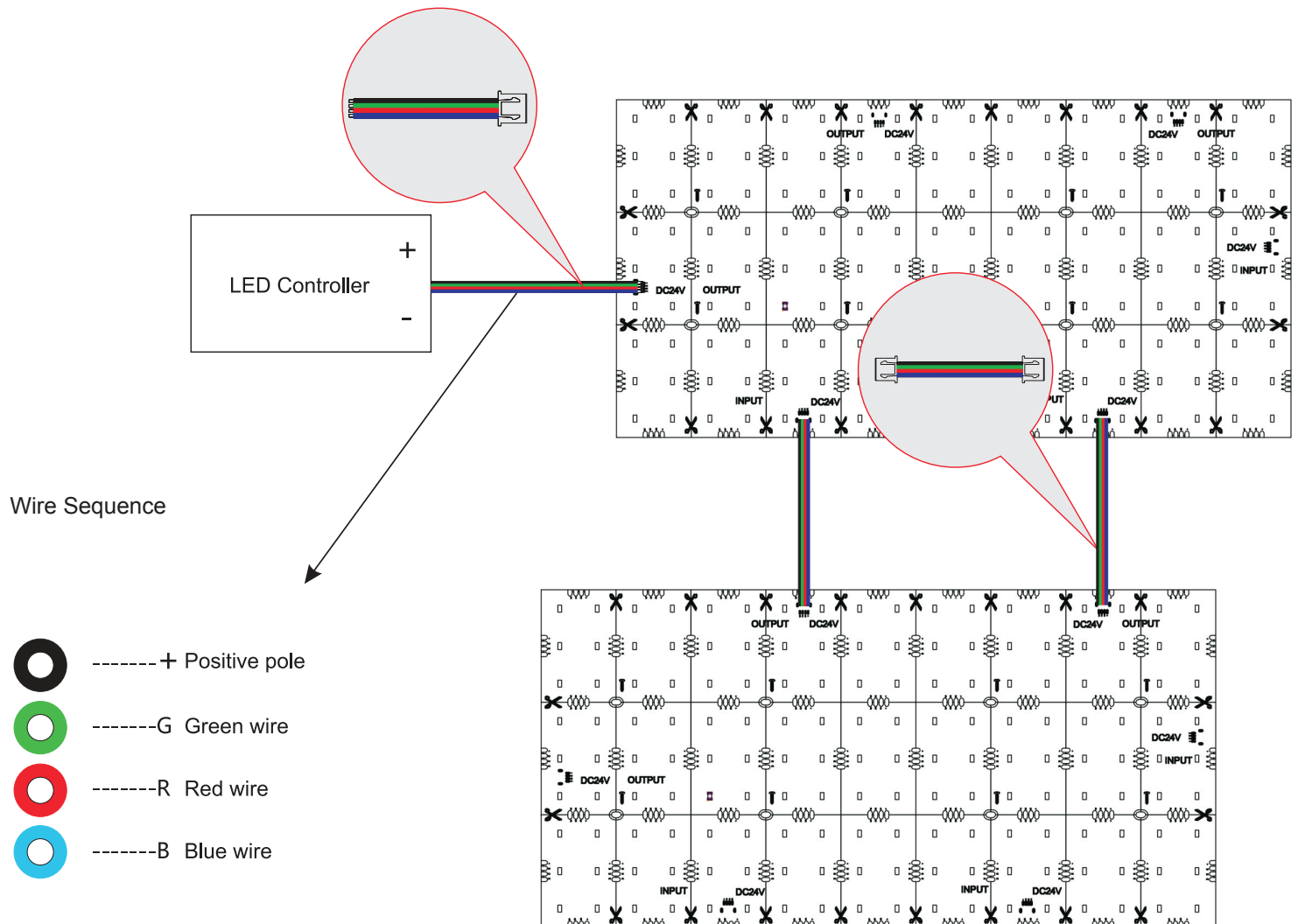
Note:

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.

## FXP | FLEXIBLE PANEL SERIES – RGB (PWM)

### WIRING CONSIDERATIONS

#### TYPICAL SYSTEM WIRING DIAGRAM



Note:

Please note the wire sequence, to avoid adverse connection.

Standard wire material with wire gauge 20AWG. Use a single wire to connect panels in a single feed, and the max run is 6pcs while using a double wire for connection, the max run is 9pcs.