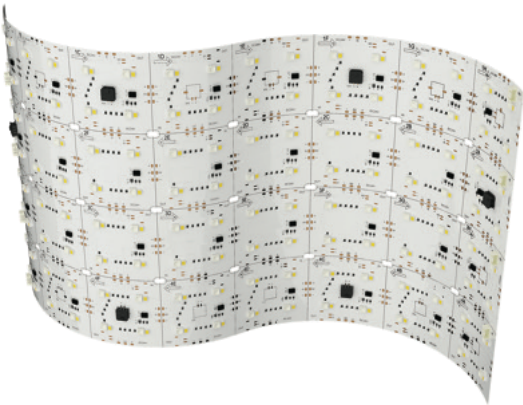


FLEXIBLE PANEL SERIES | RGB+W PANEL

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.



At a glance

Emitters

RGB+W
(W = 2700K
3000K, 3500K, 4000K
5000K, 6500K)

2700K 3000K 3500K 4000K 5000K 6500K

Controls

SPI

Voltage

24V DC

Protection

Ingress – IP20
Ingress – IP64

Temperature

-20°C to 60°C
-4°F to 140°F

Dimensions

480.0 (18.90)
240.0 (9.45)

Optics

120°

Dimensions

Min cutting unit:
60.0 (2.36)
60.0 (2.36)

FIXTURE PRODUCT CONFIGURATOR

Prefix	LED Qty	Length	LED Colour	WhiteCCT	Control	Beam Angle	Power	Voltage	Mounting	IP
FXP	256	480 – 480mm	RGB+W	27K – 2700K 30K – 3000K 35K – 3500K 40K – 4000K 50K – 5000K 65K – 6000K	S – SPI	120 – 120°	25 – 25W	24 – 24V DC	SM – Screw Mount AB – Adhesive-Backed F – Framed	20 – No Coating 64 – With Coating

EXAMPLE: FXP – 256 – 480 – RGB+W – 27K – S – 120 – 25 – 24 – SM – 20

FXP RGB+W SPECIFICATIONS

ELECTRICAL	POWER CONSUMPTION OPERATING VOLTAGE OPERATING TEMPERATURE STORAGE TEMPERATURE	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	STANDARD FIXTURE DIMENSIONS UNIT FIXTURE DIMENSIONS WEIGHT FIXTURE HOUSING CONNECTION IP RATING CRI CUTTABLE UNITS MOUNTING OPTIONS CABLE LENGTH MAXIMUM RUN LENGTH HUMIDITY RESISTANCE	480MM (L) X 240MM (H) 60MM (L) X 60MM (H) 104G FLEXIBLE PCB (WITH PROTECTIVE COATING AVAILABLE) 2-PIN DATA/GND & 2-PIN V+/GND WITH ACCESSORIES IP64 WITH COATING / IP20 WITHOUT COATING 90+ EVERY LED SECTION FOR TAILORED INSTALLATION (8LEDS PER SECTION) ADHESIVE-BACKED, SCREW MOUNTED, AND FRAMED 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+W (2700K, 3000K, 3500K, 4000K, 5000K, 6500K) 5050 + 2835 620LM (RGB+W), 339LM (RGB) LED PITCH
DIMING & CONTROL	DIMMING RESOLUTION	UCS2904 (RGB+W)
FIXTURE RATING & CERTIFICATIONS	CE / IP64 / IP20	 
LIMITED WARRANTY	5 YEARS *Extendable warranty available	

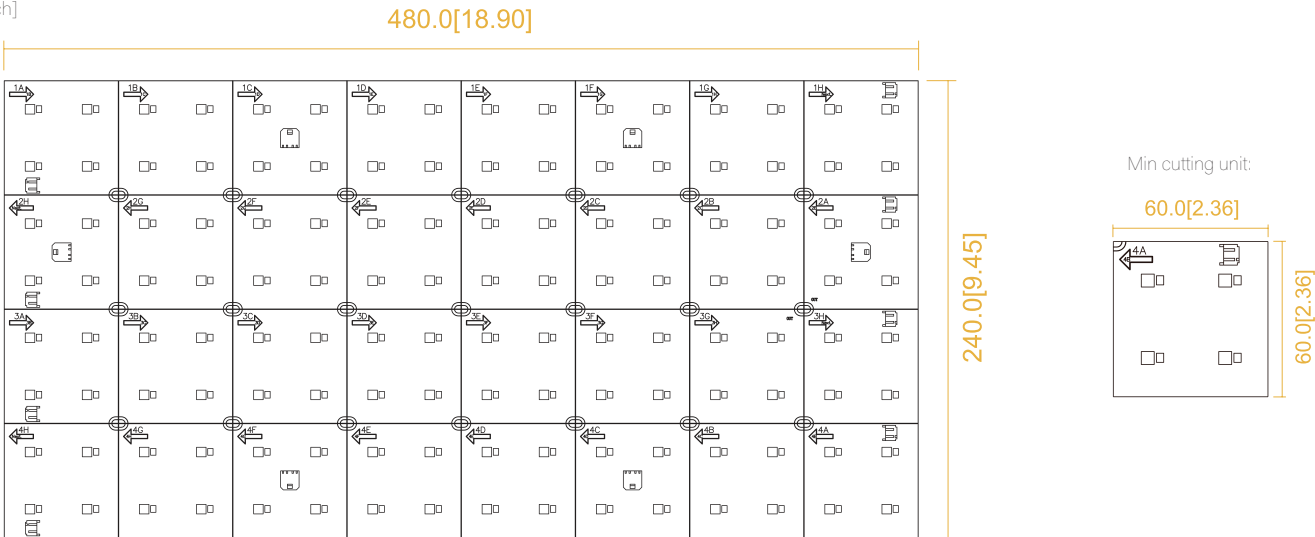
FLEXIBLE PANEL SERIES

RGB+W PANEL

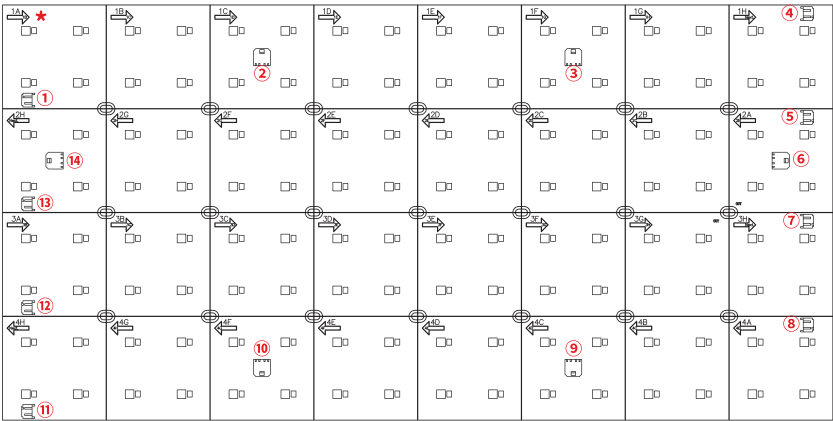
DIMENSIONS

FXP RGB+W DIMENSIONS – [240X480]

Unit:mm[inch]



Note:
Dimensions tolerance: length±6mm [0.24inch]; width ±0.2mm [0.008inch]; thickness ±0.2mm[0.008inch]



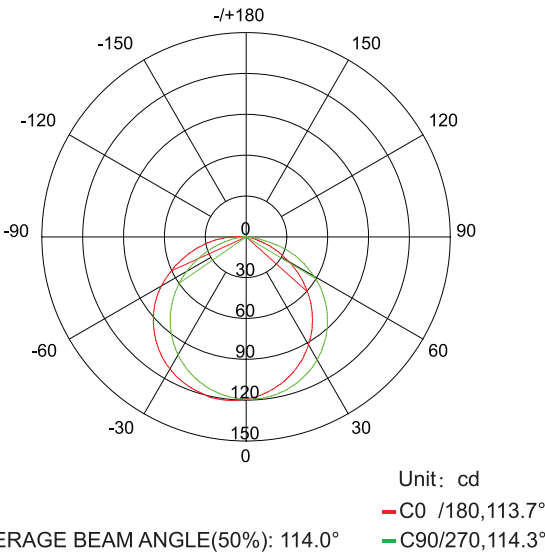
Note: The arrow indicates the direction of signal transmission

Port Description

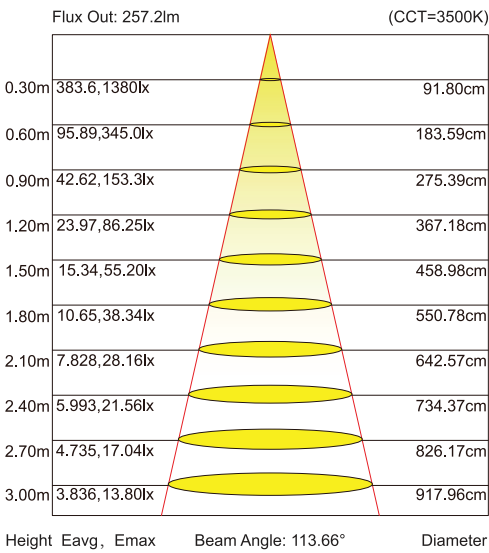
Port location	Port name	Port type	Effect	Note
②③⑥⑨⑩⑭	Power input / output	2pin	Power input / output	Use HRB terminal
①⑤⑧⑫	Signal input	2pin	External SPI signal input	Use PH terminal wire
④⑦⑪⑬	Signal output	2pin	Internal SPI signal output	Use PH terminal wire

CHARACTERISTICS

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

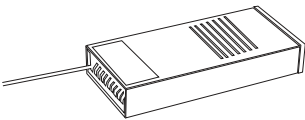


AVERAGE BEAM ANGLE

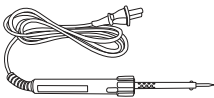


ACCESSORIES

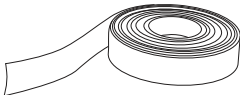
PRODUCTS AND TOOLS



LED power supply



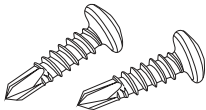
Electric iron



Insulation Tape



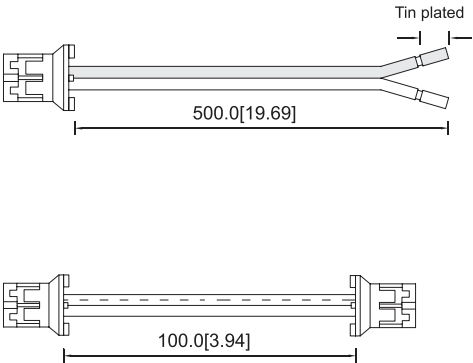
Electric drill



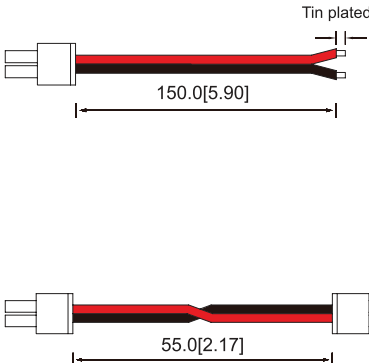
Self-tapping screw

CONNECTORS

PH2.0-Y CONNECTOR



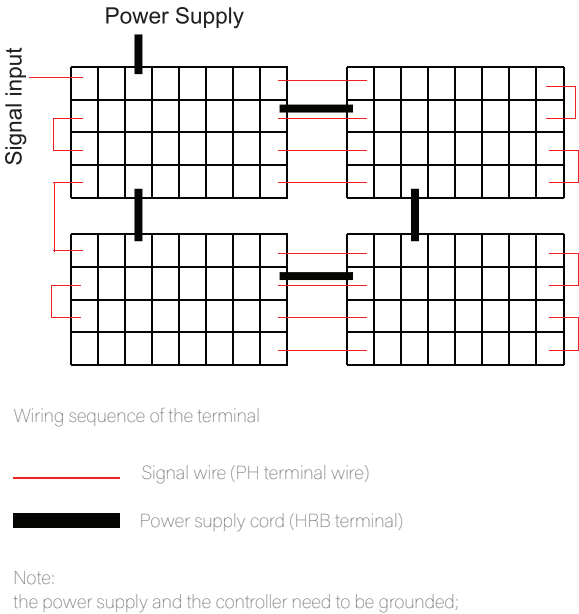
HRB CONNECTOR



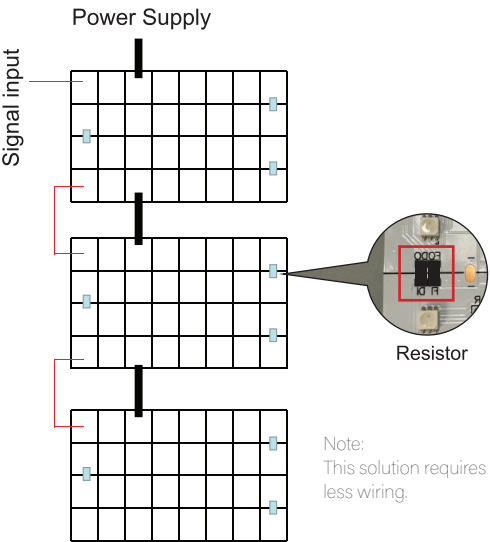
WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

Method 1



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.