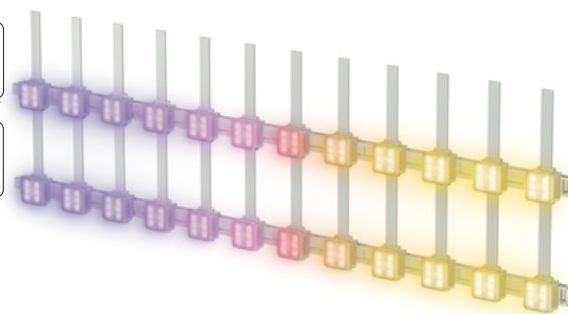


FXM | PIXEL MESH SERIES

The FXM Pixel Mesh is a high-performance, flexible LED mesh system for dynamic media displays, architectural accents, and entertainment environments.

SPI control offers smooth playback and precise pixel-level control for complex animations and effects.

Its lightweight, transparent PC housing is both durable and discreet, with an IP67 rating for reliable performance in indoor and outdoor installations.



PART NUMBER CONFIGURATOR

Prefix	Model	LED Source	LED Colour	Control	Power	Voltage	Beam Angle	Lens Options	Housing
FXM	31 – P31.2 41 – P41.6 50 – P50 55 – P55 62 – P62.5 71 – P71.43 80 – P80 100 – P100 150 – P150 CP100 – CP100	1 2 3 4 6	RGB	S – SPI	716 – 716W 680 – 680W 400 – 400W 325 – 325W 256 – 256W 196 – 196W 128 – 128W 100 – 100W 150 – 150W 61.25 – 61.25W	24 – 24V DC	120 – 120°	BS – Transparent Ball Shape MW – Milky White Ball Shape NC – No Cover	T – Transparent B – Black W – White

Example: FXM – 31 – 3 – RGB – S – 716 – 24 – 120 – BS – T

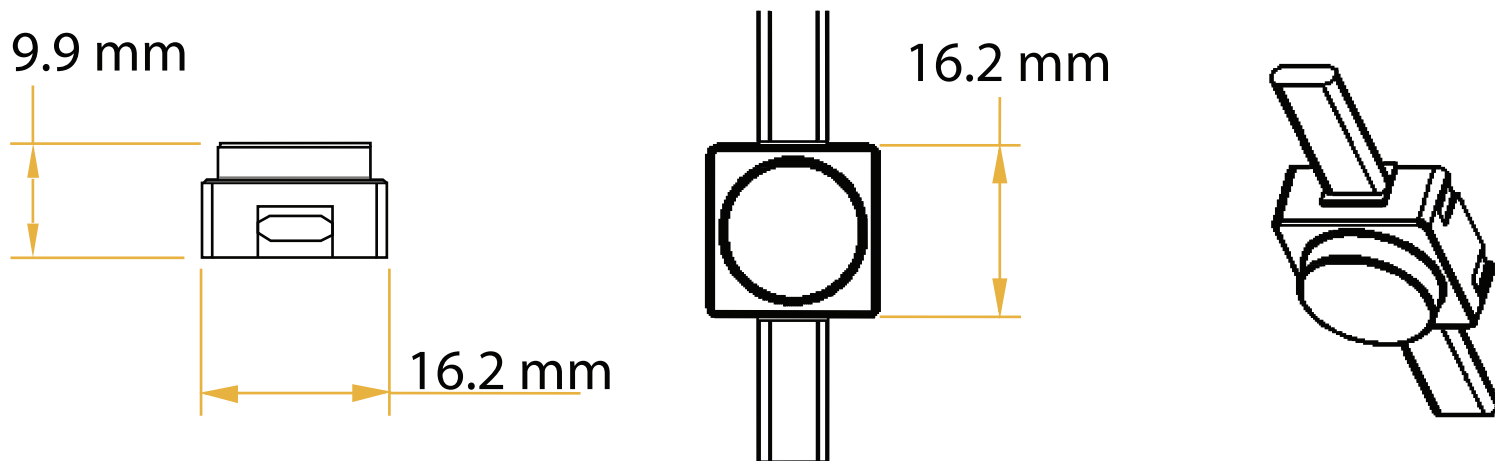
SPECIFICATIONS

Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	716W(P31) / 680W(P41) / 400W(P50) / 325W(P55) / 256W(P62) / 196W(P71) / 128W(P80) / 100W(P100) / 150W(P150) / 61.25W(CP100) 24V DC -40°C TO 70°C – (-40°F TO 158°F) -40°C TO 90°C – (-40°F TO 194°F)
Physical	Dimensions Housing Lens Weight (kg/m²) Unit Weight IP Rating Operating Humidity Fire Protection Thickness (mm)* Source Life Colour Grey Scale	16.2mm (L) x 16.2mm (W) x 9.9mm (H) Transparent / Black / White PC Transparent Ball Shape / Milky White Ball Shape / No Cover <9kgs(P31) / 4kgs(P41) / 3kgs(P50) / 2.5kgs(P55) / 2kgs(P62) / 2kgs(P71) / 2kgs(P80) / 2kgs(P100) / 2kgs(P150) / 2kgs(CP100) 8g (1 node); 400g (50 node strand) IP66 10% – 90% UL94-V0 ≤10 80,000 hours (operation temperature <50°C) 12bit
Optical	Beam Angle Colour Range LED Type LED Source Colour Resolution Brightness (DC/m²) Pixel Pitch	Vertical 140° / Horizontal 140° RGB RGB 3535 1, 2, 3, 4, 6 SMD 16 bits ≤5000(P31) / ≤5500(P41) / ≤5000(P50) / ≤4000 (P55) / ≤3000(P62) / ≤2300(P71) / ≤1500(P80) / ≤1050(P100) / ≤450(P150) / ≤2880(CP100) 31.2 / 41.6 / 50 / 55 / 62.5 / 71.43 / 80 / 100 / 150 / 100
Dimming & Control	Dimming Protocols	UCS2904
Fixture Rating & Certifications	CE / RoHS / ETL	  
Limited Warranty	5 Years	Extendable Warranty Available

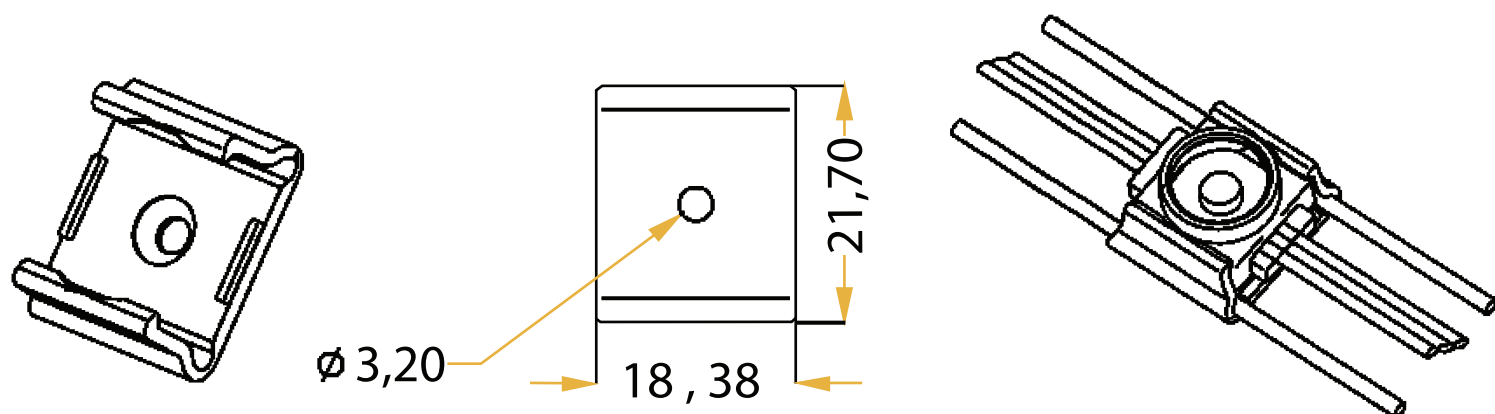
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DIMENSIONS & INSTALLATION

PHYSICAL DIMENSIONS



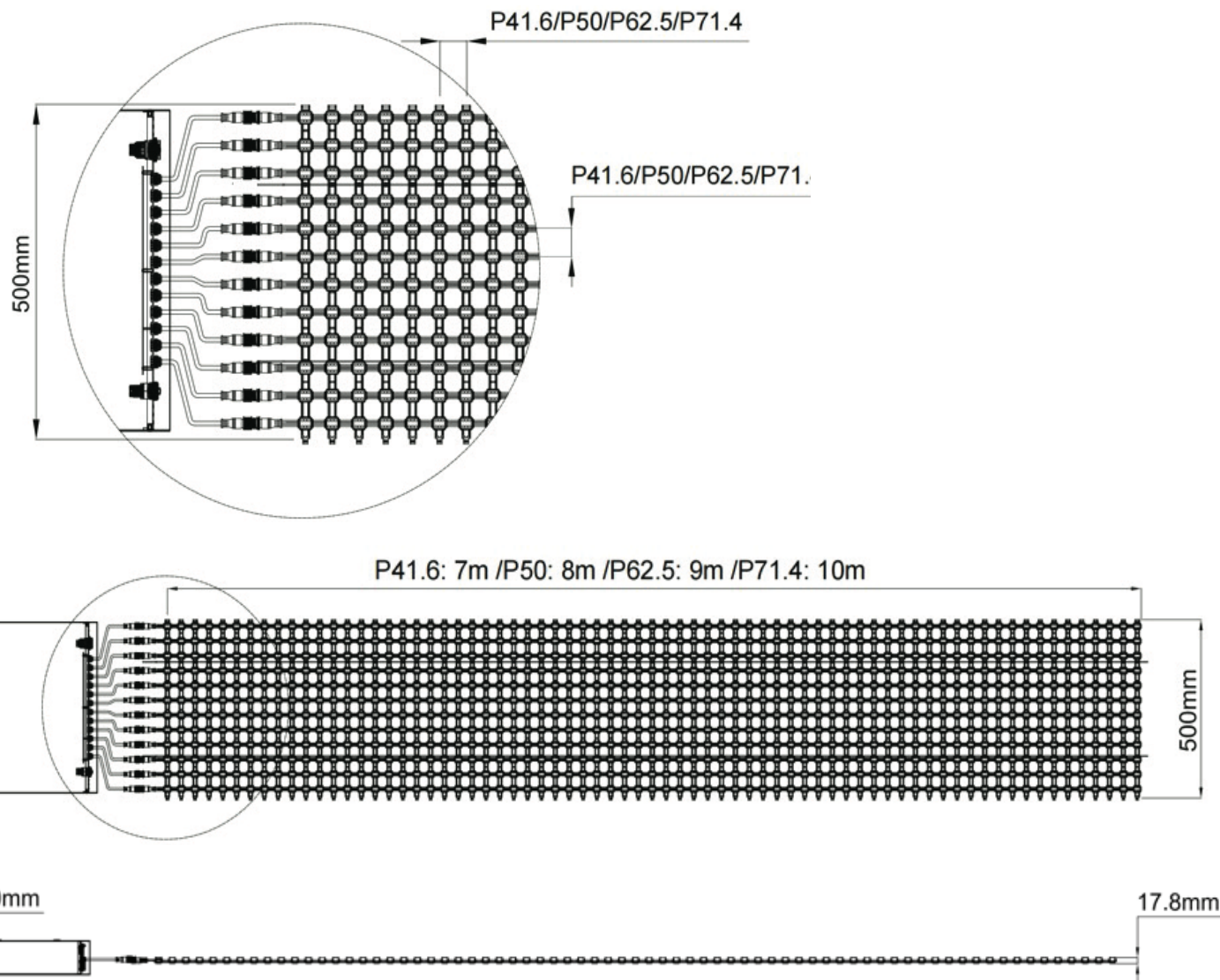
STEEL WIRE



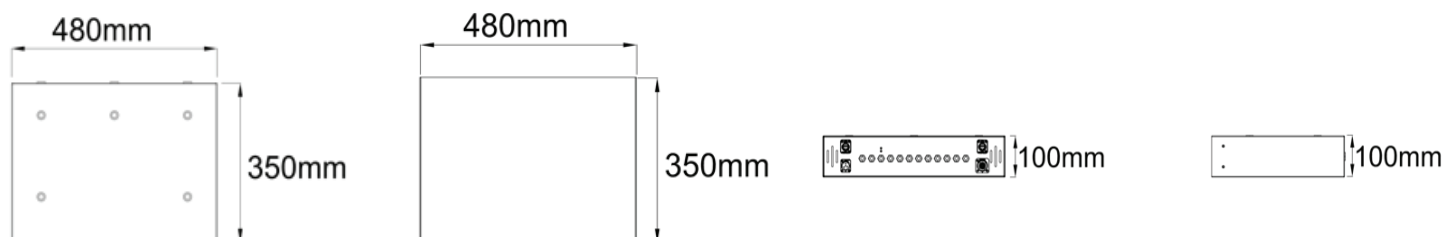
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DIMENSIONS & INSTALLATION

MESH DIMENSIONS



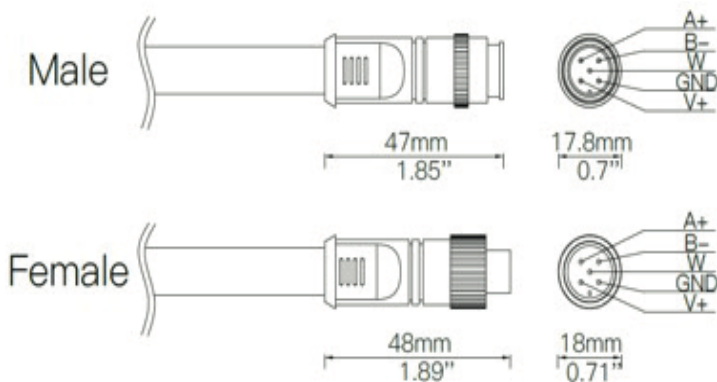
PDS DIMENSIONS



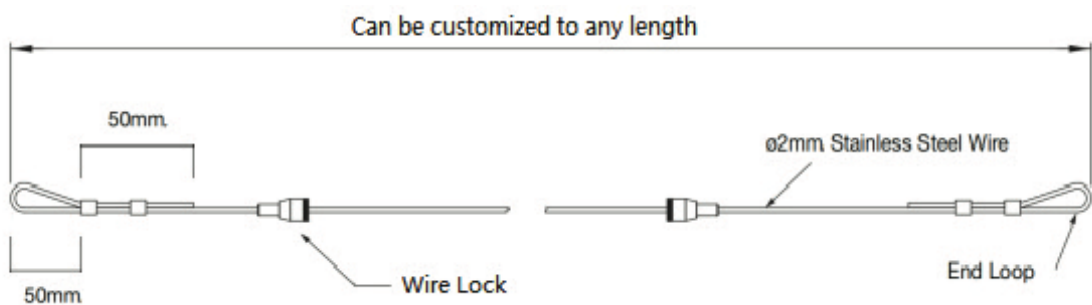
FXM | PIXEL MESH SERIES

DIMENSIONS & INSTALLATION

CONNECTORS DIMENSIONS



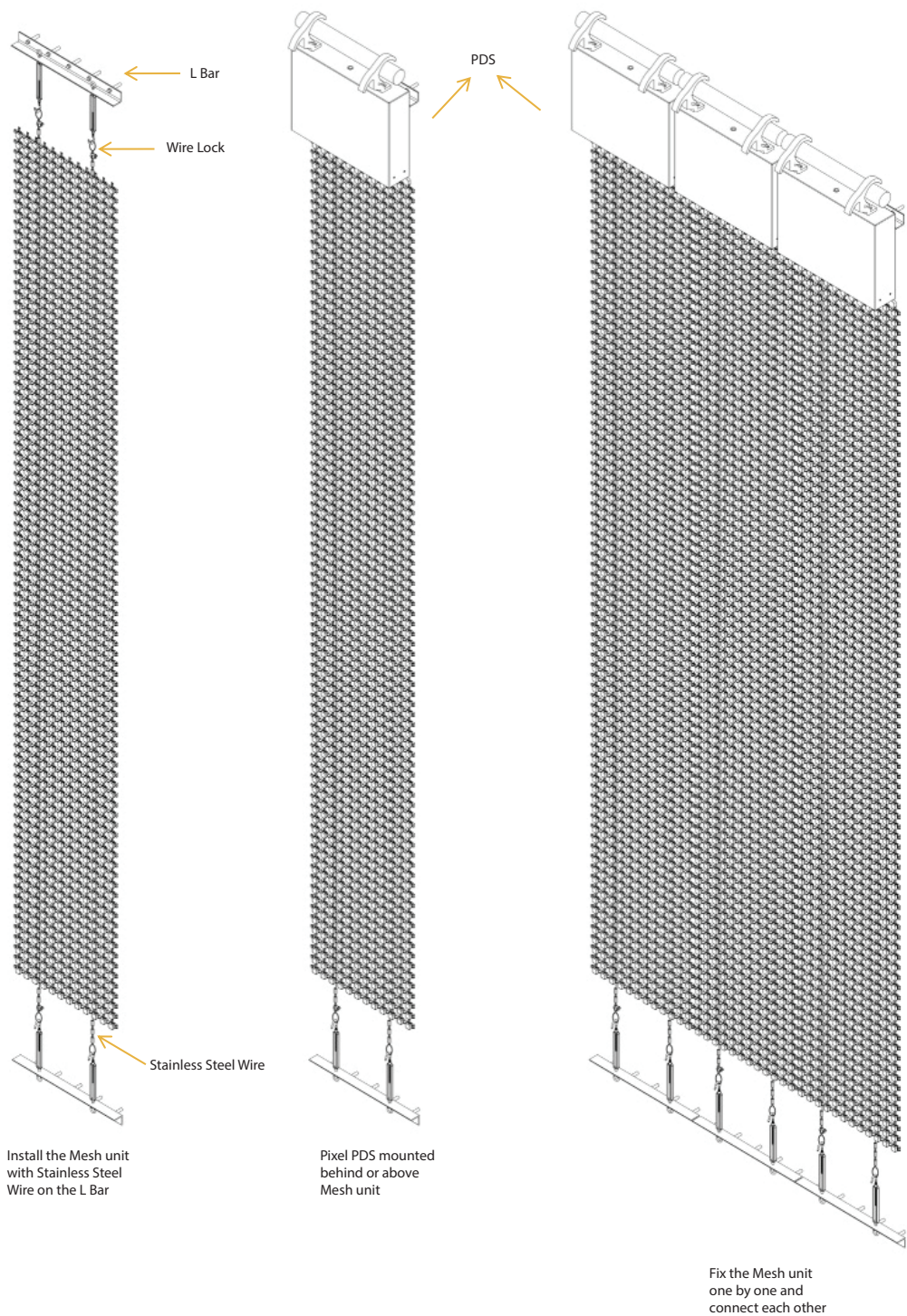
MOUNT WIRE



FXM | PIXEL MESH SERIES

DIMENSIONS & MOUNTING

MOUNTING



FXM | PIXEL MESH SERIES

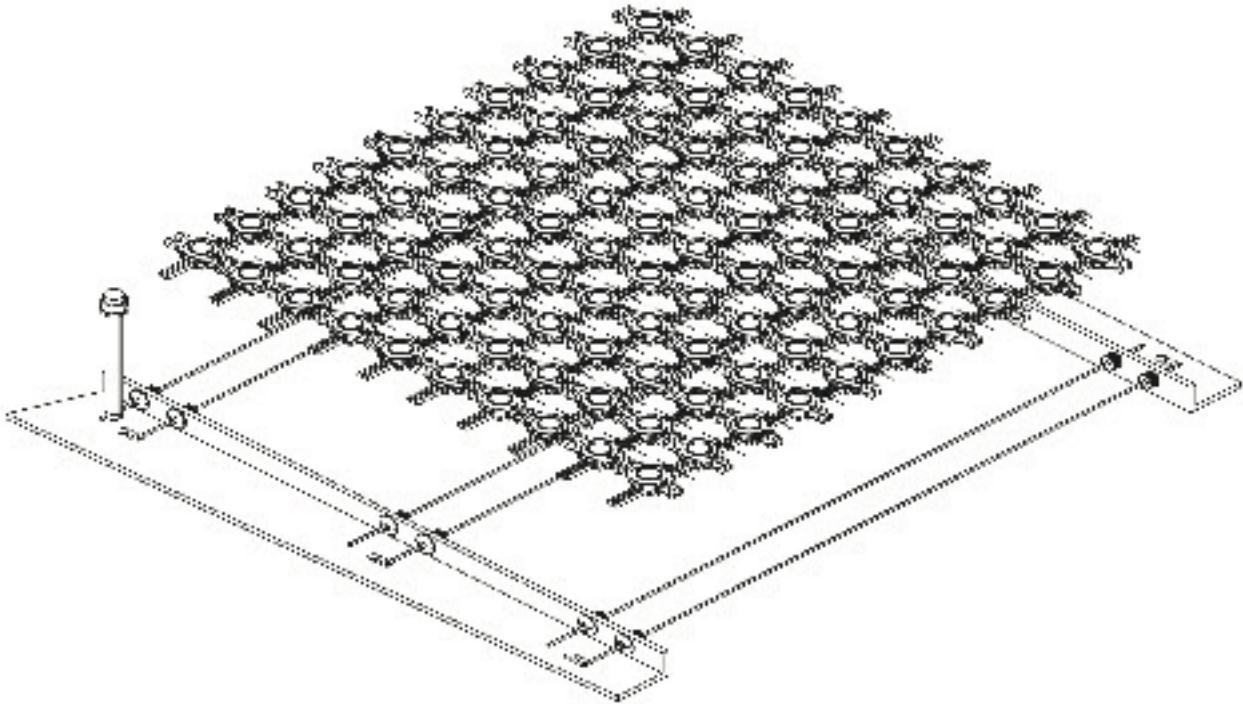
DIMENSIONS & INSTALLATION

INSTALLATION



Pitch of Vertical: 40mm – 5000mm

Pitch of Horizontal: 31.25mm, 41.67mm, 50mm, 55mm, 62.5mm, 71.43mm, 100mm, 150mm



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WIRING CONSIDERATIONS

TYPICAL SYSTEM WIRING DIAGRAM

