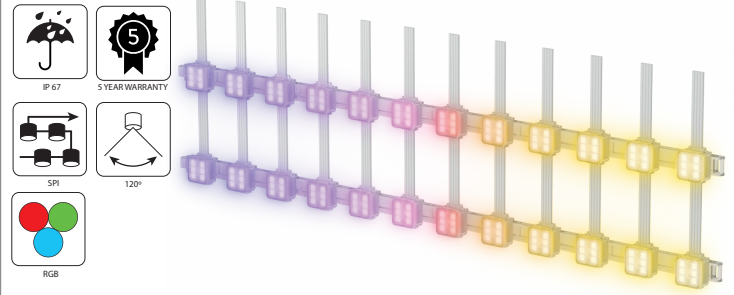


FXM | PIXEL MESH SERIES

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	Pixel Pitch	LED Source	LED Colour	Control	Voltage	Beam Angle	Lens Options	Housing
FXM	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	24 –24V DC	120 – 120°	BS – Transparent Ball Shape MW – Milky White Ball Shape NC – No Cover	T – Transparent B – Black W – White

SPECIFICATIONS

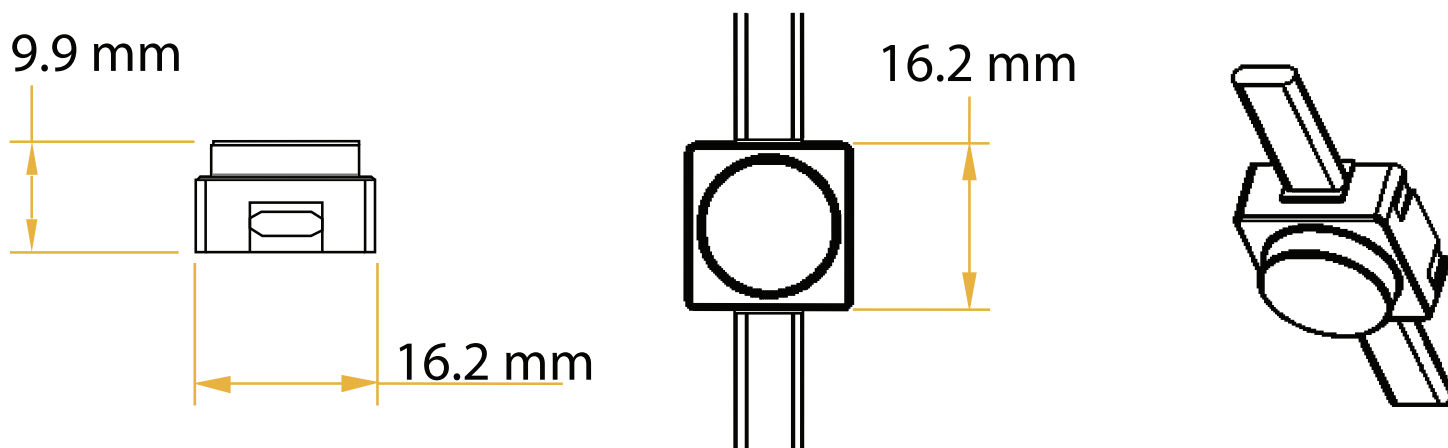
Example: FXM – 41 – 4 – RGB – S – 24 – 120 – BS – T

Electrical	Power Consumption Operating Voltage Operating Temperature Storage Temperature	576W(P41) / 400W(P50) / 325W(P55) / 256W(P62) / 196W(P71) / 128W(P80) / 100W(P100) / 150W(P150) / 98W(CP100) 24V DC -30°C TO 60°C – (-22°F TO 140°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 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) IP67 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 120° / Horizontal 120° RGB RGB 3535 1, 2, 3, 4, 6 SMD 16 ≤5500(P41) / ≤5000(P50) / ≤4000 (P55) / ≤3000(P62) / ≤2300(P71) / ≤1500(P80) / ≤1050(P100) / ≤450(P150) / ≤2880(CP100) 41.6 / 50 / 55 / 62.5 / 71.43 / 80 / 100 / 150 / 100
Dimming & Control	Dimming Protocols	UCS2904
Fixture Rating & Certifications	CE	
Limited Warranty	5 Years	Extendable Warranty Available

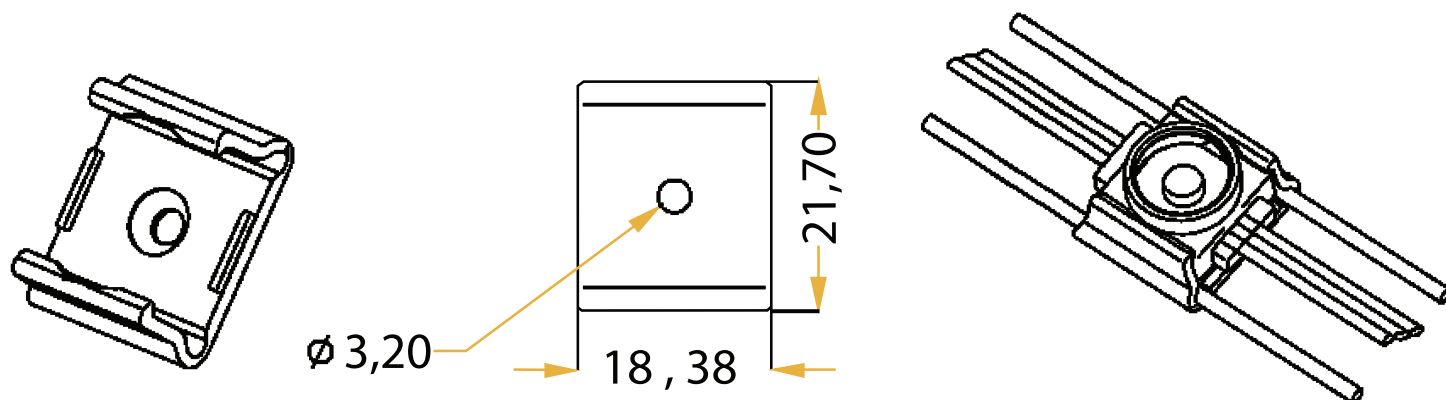
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DIMENSIONS & INSTALLATION

PHYSICAL DIMENSIONS



STEEL WIRE



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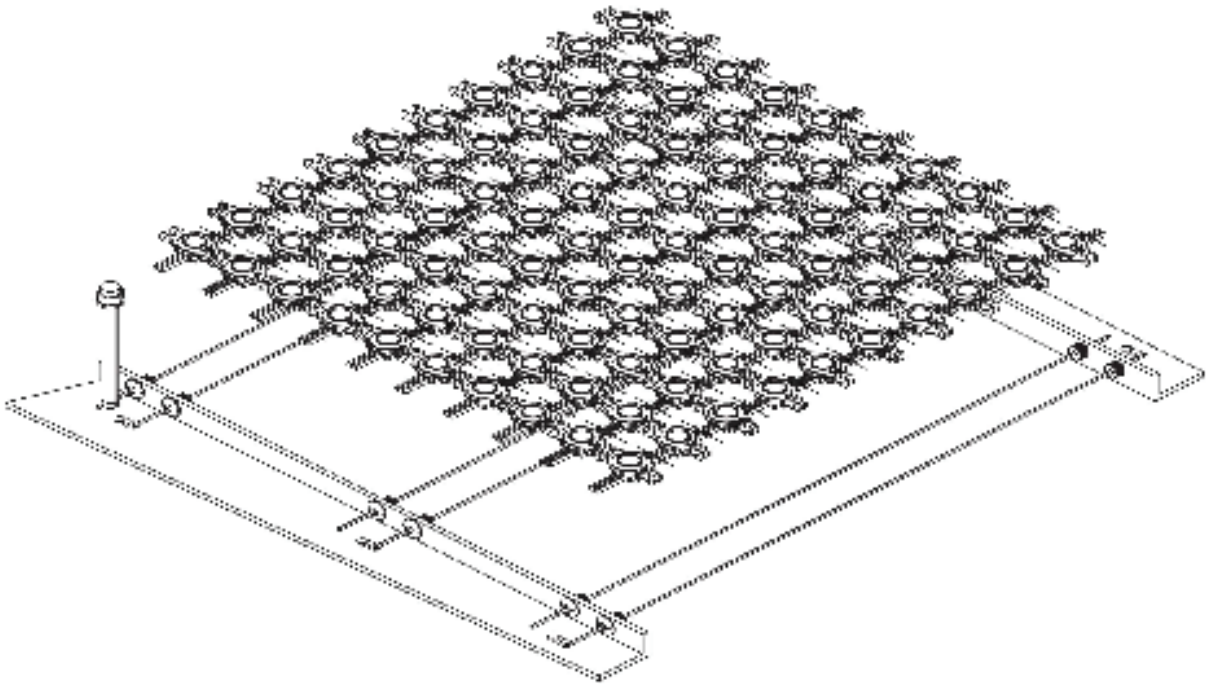
DIMENSIONS & INSTALLATION

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

