



P H A N T O M

PHANTOM MESH SPD SOLUTION
BROCHURE
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THE POWER OF TRANSPARENCY

Light. Space. Transparency. Vivalyte Phantom Mesh brings them together in one powerful solution.

PHANTOM MESH TECHNOLOGY

A transparent LED system that turns any surface into a dynamic visual — a layer that adds depth, motion, and storytelling without hiding what's behind it.

Used in large façades, creative installations, or immersive event designs, Phantom Mesh blends technology with elegance. It's lightweight, modular, and fully controllable, delivering vivid visual impact and seamless integration wherever ideas take shape.



KEY FEATURES

HIGH TRANSPARENCY ONE-DIRECTIONAL LIGHT

Phantom Mesh has **up to 90% transparency**, keeping backgrounds visible. It enhances façades, glass walls, or open structures without blocking the view. Brilliantly visible from the outside, comfortably discreet from within.



HIGH QUALITY RICH COLOR PERFORMANCE

Delivering high-definition visuals with **16-bit gray-scale**, a **brightness** up to **5000 cd/m²**, and the highest contrast available on the market, the Phantom Mesh ensures every image stays vibrant and clear, even in daylight. From subtle animations to full-motion video, it brings precision and depth.



LIGHTWEIGHT & MODULAR

At only **1.8 mm** thin and **6 kg/m²**, Phantom Mesh installs effortlessly on existing structures or as a free-hanging surface. Its clean modular design without visible frame makes scaling up simple: minimal weight, maximum freedom.

DYNAMIC CONTENT CONTROL

Phantom Mesh is built for motion, messaging, and storytelling. Plug and play **video controllable**. It delivers smooth animations and real-time visual effects with ease.



PMD-SPD – ULTRA-LIGHT HANGING SYSTEM FOR SEAMLESS VISUAL IMPACT

PMD-SPD

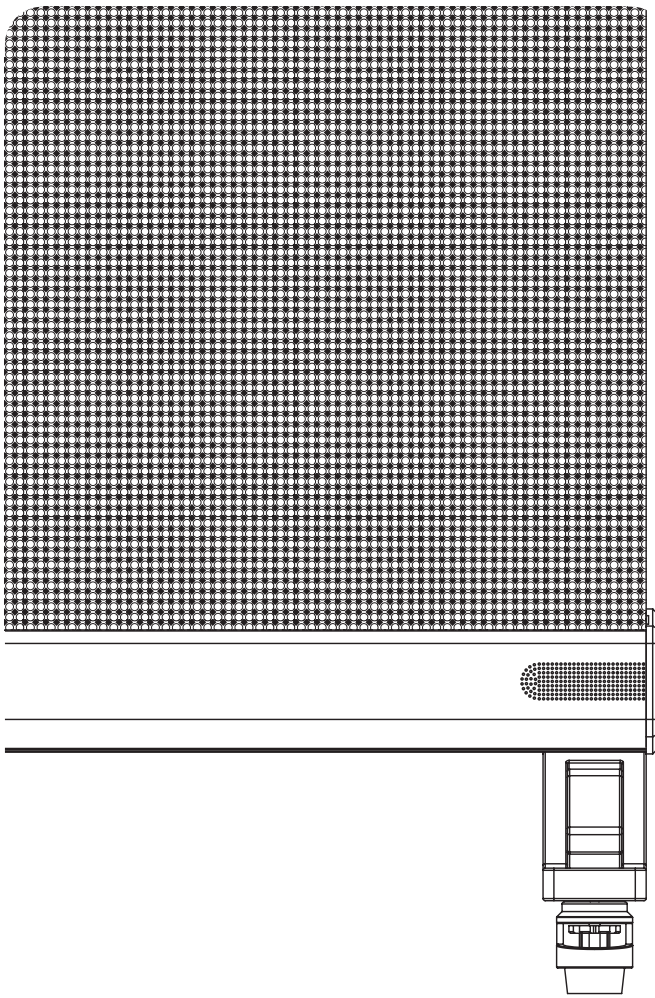
The **PMD-SPD** brings Phantom Mesh technology into an **ultra-light, fully borderless hanging format**. Designed for indoor environments where elegance, flexibility, and clean visual integration are essential, this suspended system creates a floating, uninterrupted visual layer.

With its **edge-to-edge active surface**, ultra-slim 66 mm profile and nearly invisible cabinet edges, PMD-SPD delivers premium visual impact with minimal structural footprint.



Key Advantages

- **Borderless, 100% active surface** for clean, uninterrupted visuals
- **Ultra-slim and lightweight**, ideal for suspended indoor installations
- **Perfect alignment** for seamless **multi-panel** compositions
- **Indoor design** optimized for atriums, retail, exhibitions, showrooms
- **Fully modular**: scale horizontally, vertically, or in mixed formations



SEAMLESS VISUAL PERFORMANCE

Every PMD-SPD panel is active pixel area — no side enclosure, no structural frame visible from the front. The borderless design ensures a **continuous, unified visual layer**, ideal for artistic content, brand storytelling, or ambient animations.

- **Gapless alignment** for a true “infinity surface” effect
- **Crisp indoor brightness**, rich color rendering
- **High uniformity** across custom-sized arrays
- **Smooth motion content** for thematic animations

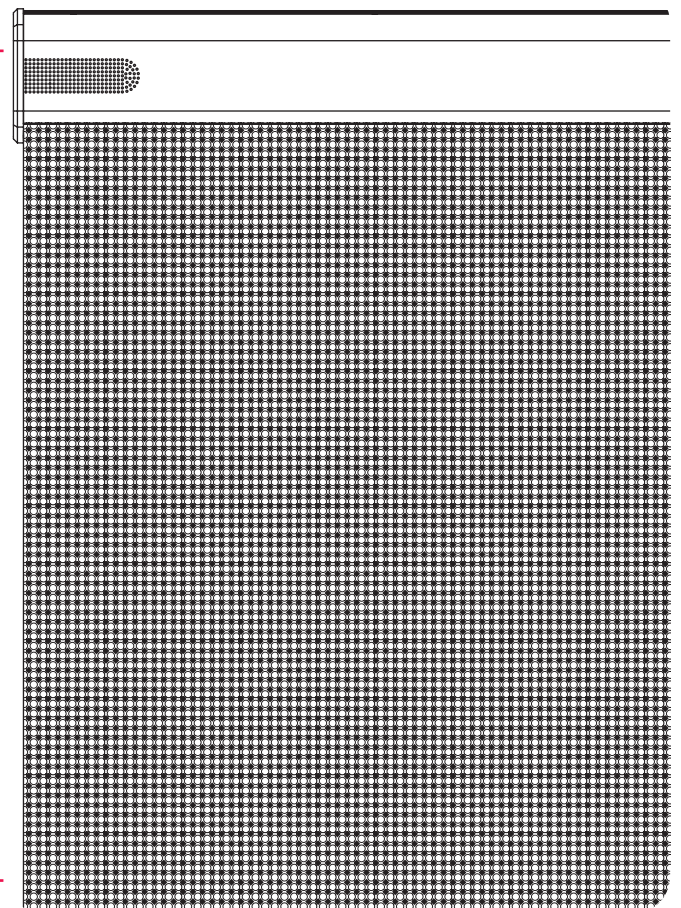
LIGHTWEIGHT FREEDOM

Built around an ultra-thin frame, PMD-SPD offers designers **maximum design freedom** with minimal structural requirements.

It can be hung from trusses, beams, ceiling grids, or window frames, creating **floating visual surfaces** without heavy mechanical support. This makes it **ideal for events, retail atriums, exhibitions, corporate lobbies, or pop-up installations** where lightweight, adaptable media surfaces are needed.

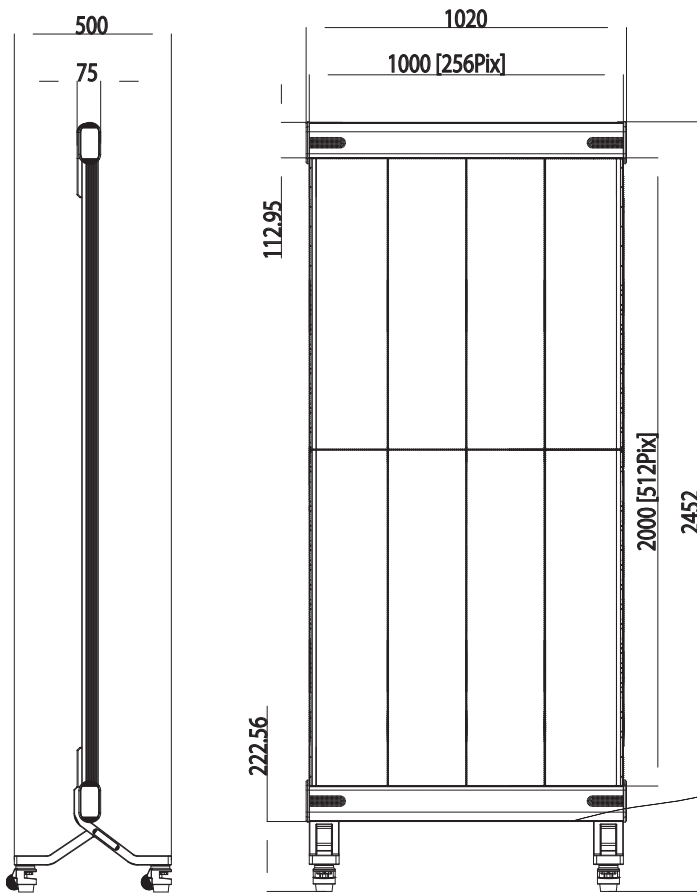
Why designers choose PMD-SPD:

- **Ultra-light frame** for safe, flexible hanging
- **Slim 66 mm profile** integrates cleanly
- **Versatile orientation**: portrait, landscape, or mixed
- **Clean cable routing** for visually minimal installations
- **Perfect for suspended media surfaces** where weight matters

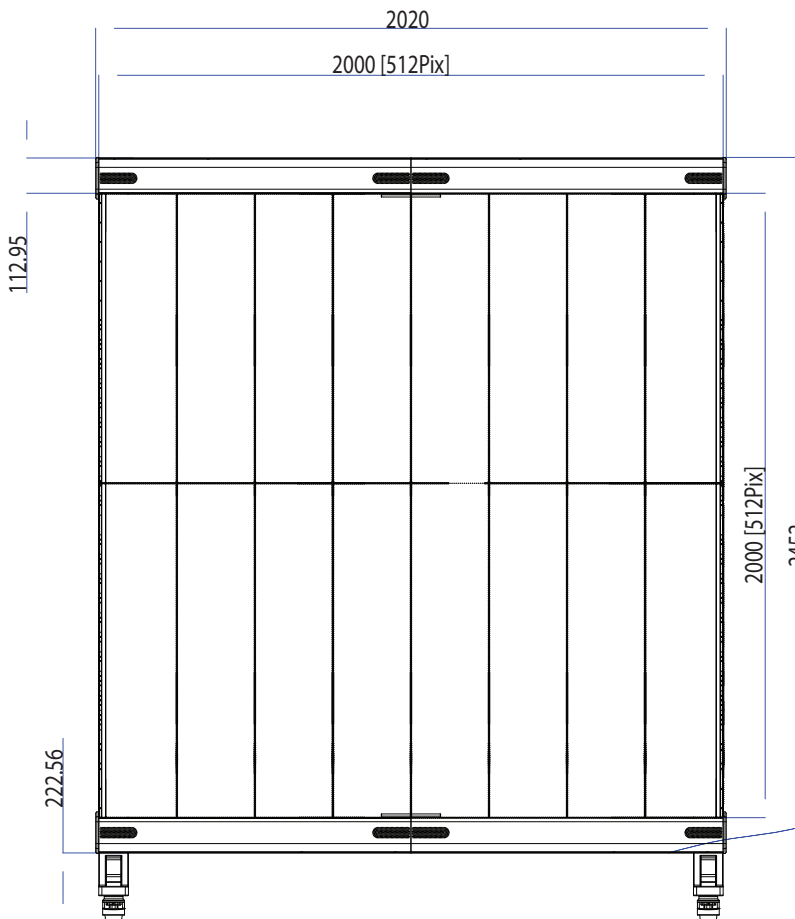


PMD-SPD-3.9-xxx

Pixel Pitch (mm)(horizontal/vertical)	3.91-3.91
Transparency Rate	92%
Display Dimension (mm) (wxh)	
Resolution (dot)(wxh)	
Brightness (cd/m ²)	≥3000 (Black LED) ≥5000 (White LED)
Maximum Power Consumption (W/m ²)	865
Average Power Consumption (W/m ²)	330
Pixel Density (dot/m ²)	65536
Color Temperature (K)	3000~10000
Scanning Mode	Static Driving, IC Integrated
Frame Rate (Hz)	60~120
Lifespan	≥100,000.00 hours
Pixel Configuration	16bit
Profile Dimension (mm)(wxhxd)	
Weight	
Input Voltage	AC100~240V 50/60Hz
Working Voltage for Module	DC4.2V±0.2V
Working Temperature	Temperature -20°C ~50°C
Working Humidity	Humidity 20%RH~85%RH (Without Condensation)
Storage Temperature	Temperature -20°C ~60°C
Storage Humidity	Humidity 10%RH~85%RH (Without Condensation)
Protection Degree	IP20
Installation Method	Hanging Up
Installation Environment	Indoor



PMD-SDL-3.9-100200



PMD-SDL-3.9-200200





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