



P H A N T O M

## PHANTOM MESH PANELS

BROCHURE  
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VIVALYTE PHANTOM MESH PANELS

Vivalyte’s transparent screens can be customized into flat or curved shapes to fit any project. Ideal for commercial spaces, transport hubs, retail, exhibitions, and creative installations.

PHANTOM MESH TECHNOLOGY

Our Phantom Mesh series is defined by its ultra-thin design, high transparency, and exceptional brightness. This lightweight mesh achieves up to **80% transparency**, making it ideal for seamless integration.

Our in-house engineering team can **customize** the **mesh size** and shape to meet your project’s specific needs. When mounted on glass, we can create a seamless screen up to **3 meters high** and virtually **unlimited in width**. All ICs are embedded directly into the LEDs, ensuring a smooth, flat back surface that is both functional and aesthetically pleasing.





## KEY FEATURES

## THIN & LIGHTWEIGHT

At less than **2mm** thick and weighing only **6kg/m<sup>2</sup>**, this frameless screen is easy to install and blends seamlessly with any space.



## HIGH CONTRAST

With precisely spaced pixels and 16-bit grayscale, this display delivers sharp, vibrant visuals. A **9,000:1** contrast ratio ensures deep blacks and rich colors, even in bright environments.



## FLEXIBILITY IN DESIGN & SUPPORT

The screen can be seamlessly integrated with flat or curved surfaces, offering maximum **design flexibility**. Our in-house engineering team ensures tailored support for each project, delivering optimal performance and reliable aftercare, including repairs and maintenance services to keep your display running smoothly.



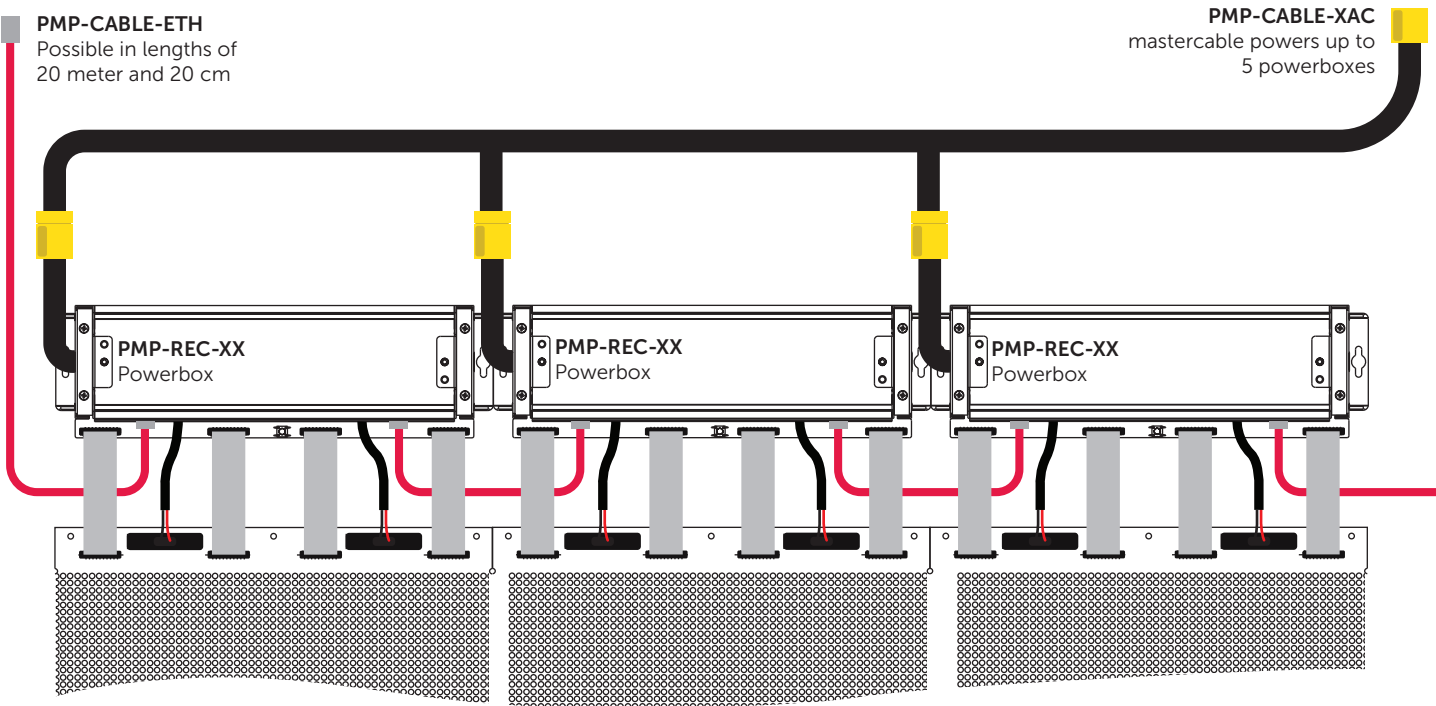
## BRIGHTNESS & TRANSPARENCY

With **5,000 cd/m<sup>2</sup>** brightness and up to **80% transparency**, it remains eye-catching while preserving a clear view through the screen.

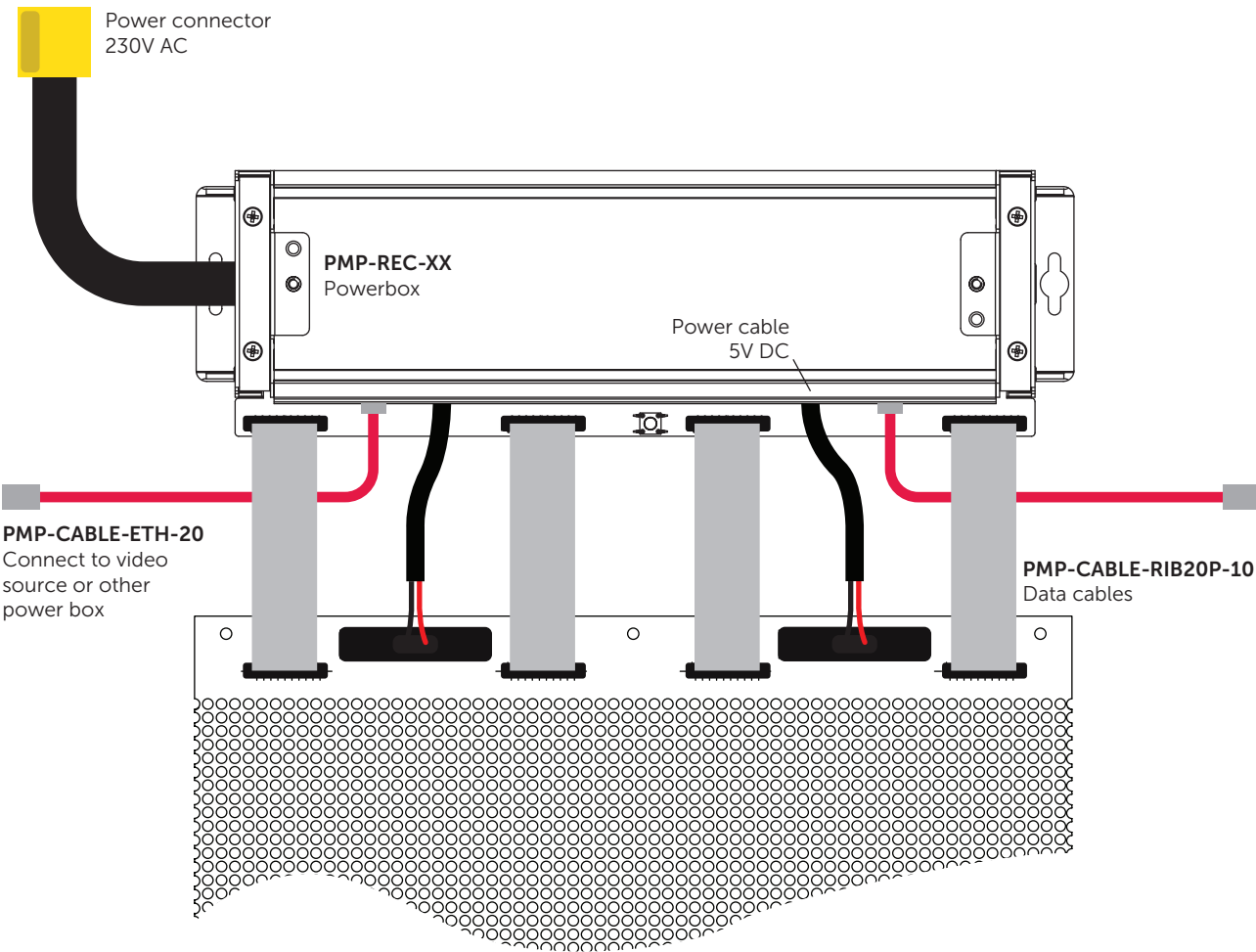




INSTALLATION, SYSTEM OVERVIEW



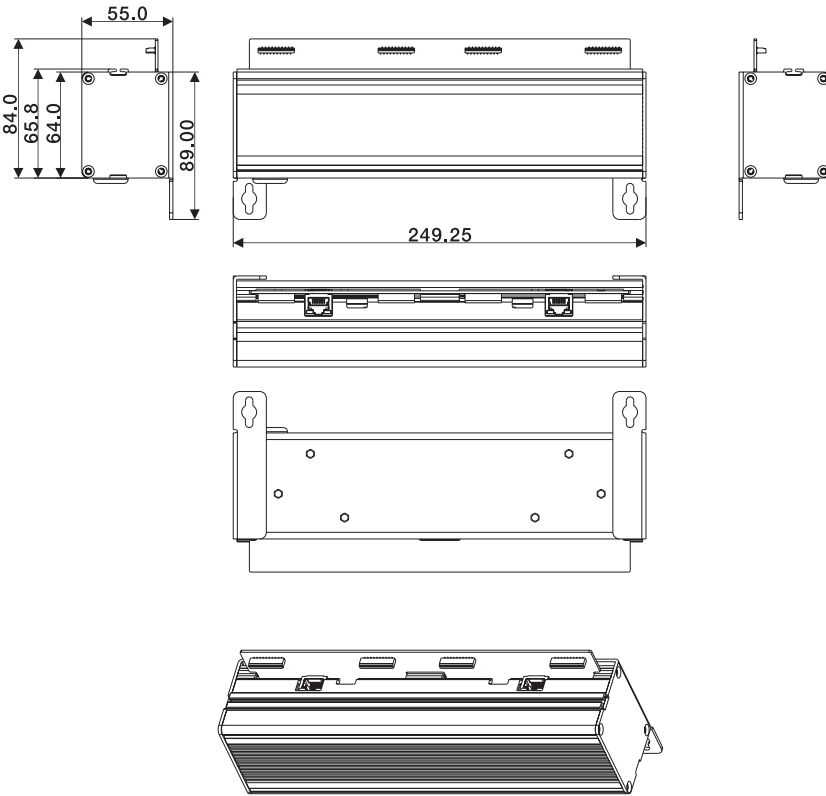
CONNECTION DIAGRAM



POWER BOX OPTIONS

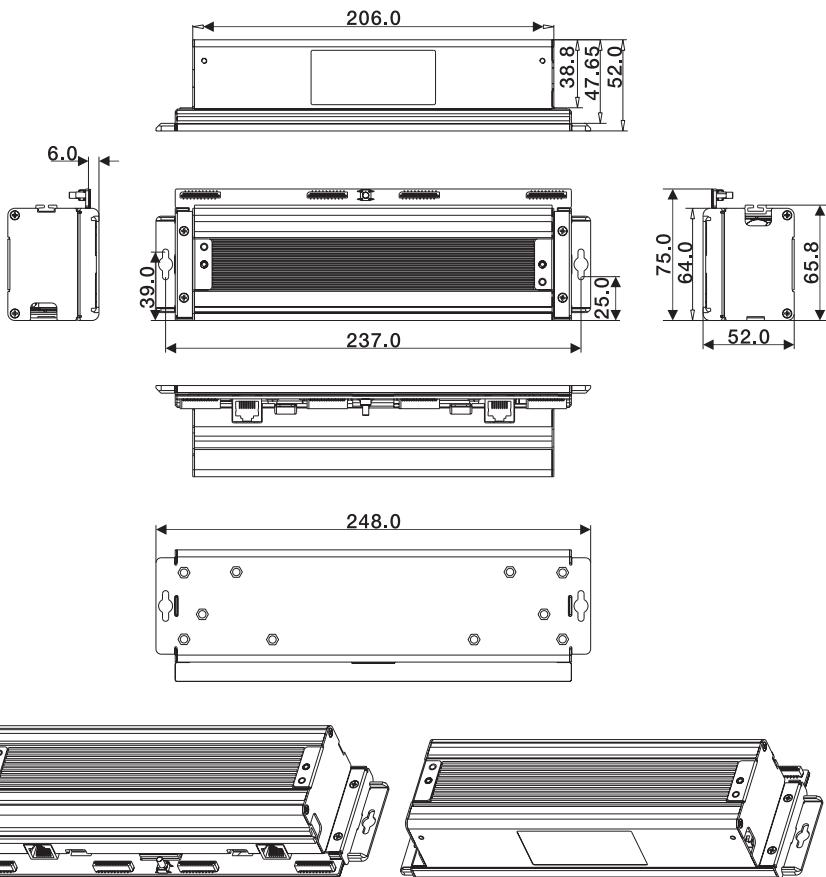
PMP-REC-V2B

Powerbox Variant B is the most straightforward option, ideal for installations where panels are mounted on a flat surface. Each powerbox matches the size of a panel, creating a seamless bar-like appearance when assembled. An optional cover plate is available to neatly conceal the panel connectors and cables between the powerbox and the panels.



PMP-REC-V2D

Powerbox Variant B is designed for installations on curved surfaces. Its compact size makes it especially suitable for inside curves. An optional cover kit is available to neatly conceal the powerboxes, connectors, and cables for a clean, finished look.



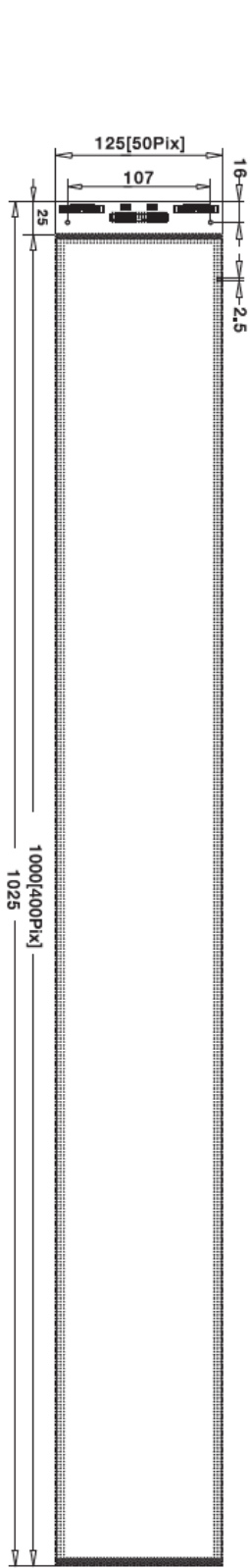
SPECIFICATION

PMP-2.5-5

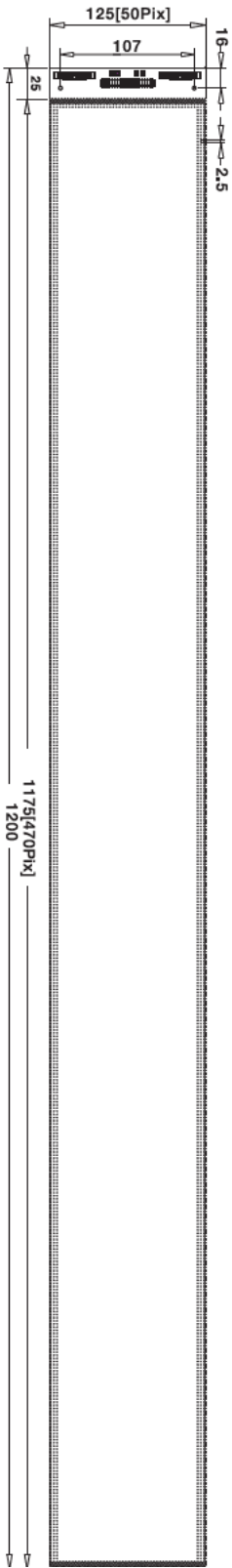
	PMP-2.5-5-12100-RGB	PMP-2.5-5-12120-RGB
Pixel Pitch (mm)(horizontal/vertical)	2.5-2.5	
Transparency Rate	85%	
Display Dimension (mm)(wxh)	125x1000	125x1175
Resolution (dot)(wxh)	50x400	50x470
Brightness (cd/m²)	≥1200 (Black Light)	
Maximum Power Consumption (w/m²)	865	865
Average Power Consumption (w/m²)	350	350
LED package	1515	
Pixel Density (dot/m²)	160000	
Color Temperature (K)	3000~10000	
Scanning Mode	Light & Driver Integrated, Static Driving	
Frame Rate (Hz)	60~120	
Lifespan	≥ 100,000.00 hours	
Pixel Configuration	16bit	
Profile Dimension (mm)(wxh)	125x1025	125x1200
Weight (kg/set)	0.2	0.25
Power Box Weight (kg/set)	Type B and D is 1.1kg	
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	LED Side Glued/ PCB Side Glued/ Hanging Up	
Instalation Environment	Indoor	
Module Packing Specification (16pcs per box)(mm)	L1295xW335xH270	
Power Box Packing Specification (30pcs per box)(mm)	L1595xW335xH270	

TECHNICAL DRAWING

PMP-2.5-5



PMP-2.5-5-12100-RGB



PMP-2.5-5-12120-RGB



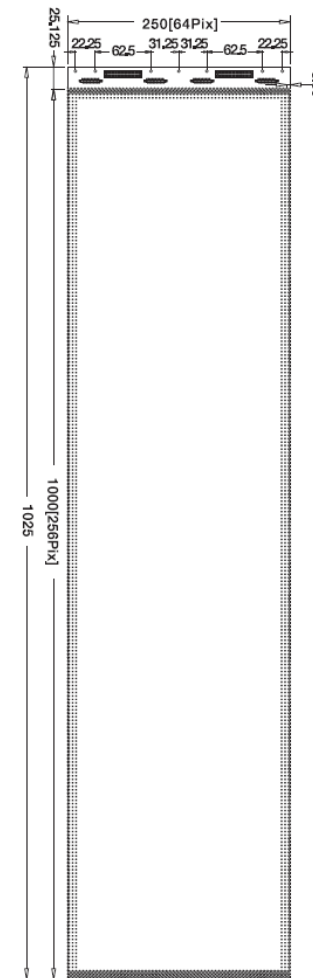
## SPECIFICATION

### PMP-3.9-5

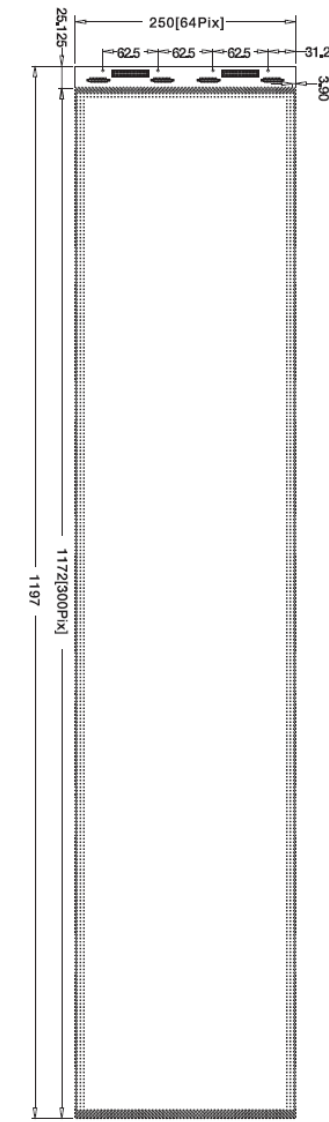
	PMP-3.9-5-25100-RGB	PMP-3.9-5-25120-RGB	PMP-3.9-5-25150-RGB
Pixel Pitch (mm)(horizontal/vertical)	3.91-3.91		
Transparency Rate	92%		
Display Dimension (mm)(wxh)	250×1000	250×1172	250×1469
Resolution (dot)(wxh)	64×256	64×300	64×376
Brightness (cd/m²)	≥3000 (Black) ≥4500 (White)		≥2000 (Black) ≥3000 (White)
Maximum Power Consumption (w/m²)	865	865	865
Average Power Consumption (w/m²)	350	350	350
LED package	2121		
Pixel Density (dot/m²)	65536		
Color Temperature (K)	3000~10000		
Scanning Mode	Light & Driver Integrated, Static Driving		
Frame Rate (Hz)	60~120		
Lifespan	≥100,000.00 hours		
Pixel Configuration	16bit		
Profile Dimension (mm)(wxh)	250×1025	250×1197	250×1500
Weight (kg/set)	0.4	0.5	0.6
Power Box Weight (kg/set)	Type B and D is 1.1kg		
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	LED Side Glued/ PCB Side Glued/ Hanging Up		
Installation Environment	indoor		
Module Packing Specification (16pcs per box)(mm)	L1295×W335×H270	L1570×W335×H270	
Power Box Packing Specification (30pcs per box)(mm)	L1295×W335×H270		

## TECHNICAL DRAWING

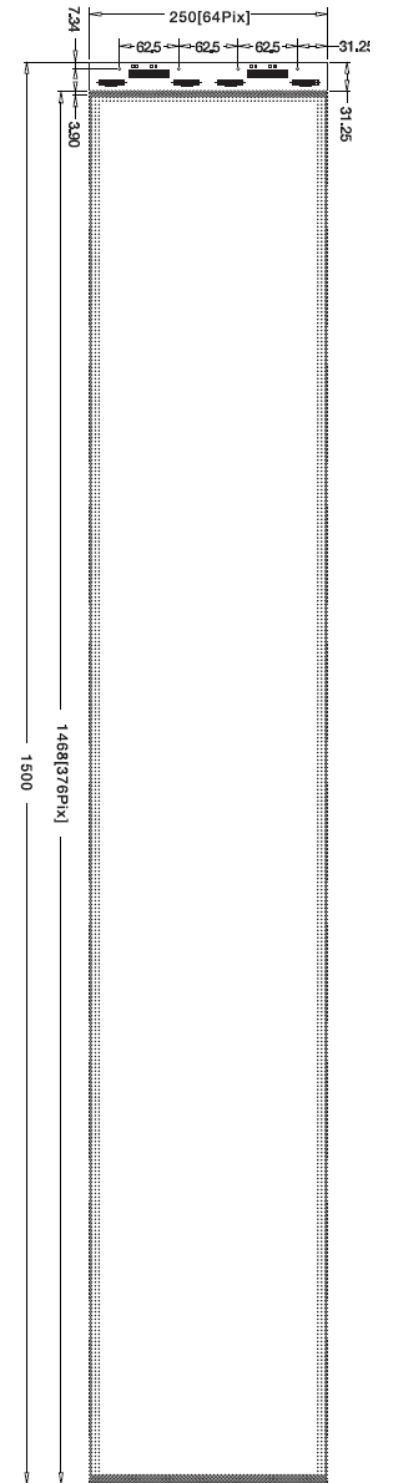
**PMP-3.9-5**



PMP-3.9-5-25100-RGB



PMP-3.9-5-25120-RGB



PMP-3.9-5-25150-RGB

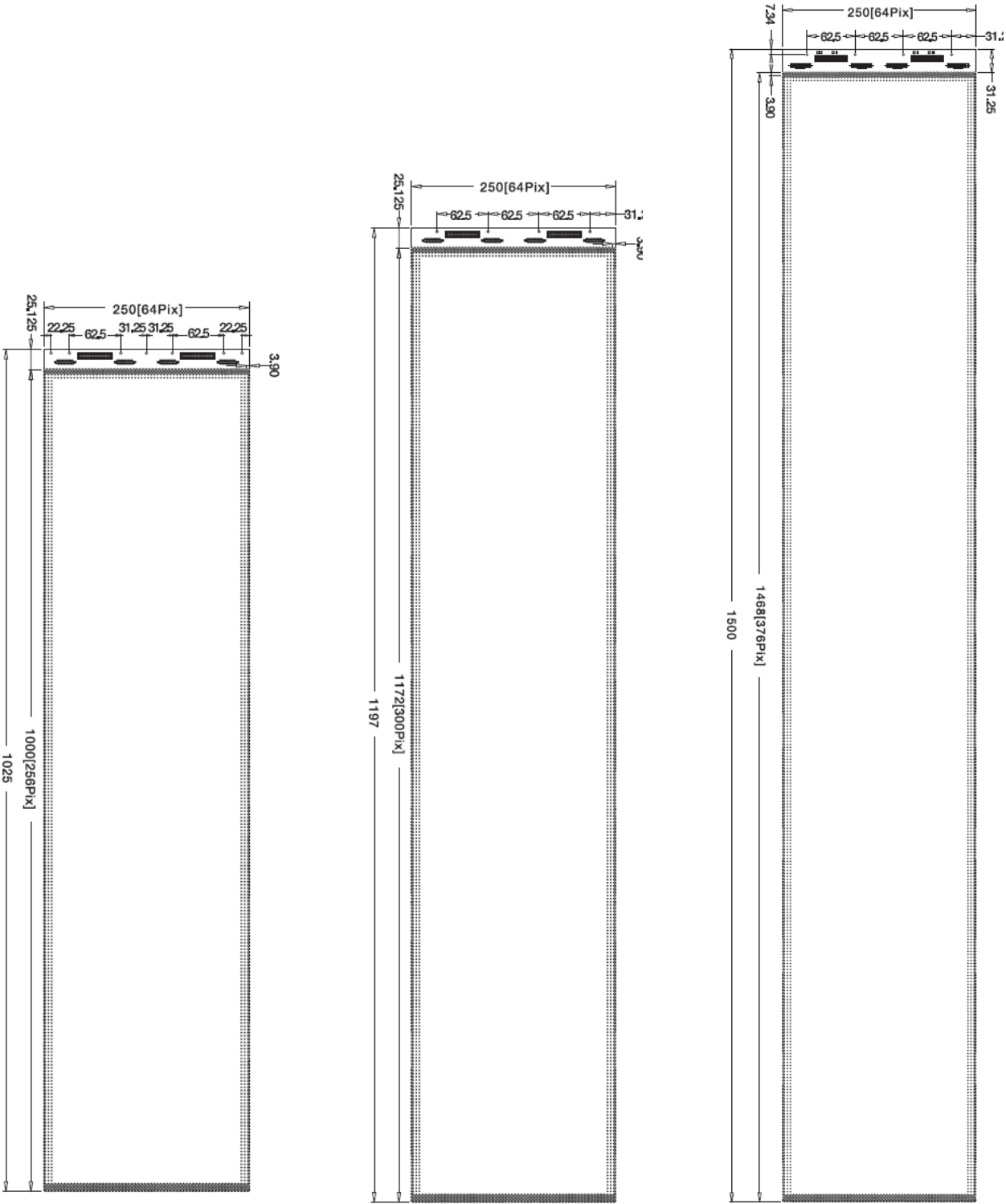
SPECIFICATION

PMP-6.2-5

	PMP-6.2-5-25100-RGB	PMP-6.2-5-25120-RGB	PMP-6.2-5-25150-RGB
Pixel Pitch (mm)(horizontal/vertical)	6.25-6.25		
Transparency Rate	95%		
Display Dimension (mm)(w×h)	250×1000	250×1175	250×1475
Resolution (dot)(w×h)	40×160	40×188	40×236
Brightness (cd/m²)	≥5000 (White)		≥4500 (White)
Maximum Power Consumption (w/m²)	865	865	865
Average Power Consumption (w/m²)	350	350	350
LED package	2121		
Pixel Density (dot/m²)	25600		
Color Temperature (K)	3000~10000		
Scanning Mode	Light & Driver Integrated, Static Driving		
Frame Rate (Hz)	60~120		
Lifespan	>100,000.00 hours		
Pixel Configuration	16bit		
Profile Dimension (mm)(w×h)	250×1025	250×1200	250×1500
Weight (kg/set)	0.4	0.5	0.6
Power Box Weight (kg/set)	Type B and D is 1.1kg		
Input Voltage	AC100~240V 50/60Hz		
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TECHNICAL DRAWING

PMP-6.2-5



PMP-6.2-5-25100-RGB

PMP-6.2-5-25120-RGB

PMP-6.2-5-25150RGB





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