



# VIVID (MicroLED)

UNRIVALLED VISUAL EXPERIENCES



**COB COMMON CATHODE TECHNOLOGY**

## Exceptional Image Quality

Experience unmatched clarity and superior image processing with our VIVID MicroLED Display, the ultimate solution for those who demand nothing but the best in visual technology.

Whether you're looking to elevate your immersive experiences, enhance your corporate presentations, or captivate audiences in artistic installations, the VIVID MicroLED Display delivers unparalleled performance and clarity.



### DCI-P3 Colour

Elevate visual experiences to new heights with our cutting-edge LED display, now DCI-P3 compliant.

Designed to deliver unparalleled colour brilliance and accuracy, this state-of-the-art technology sets the stage for captivating and immersive experiences like never before.

DCI-P3

### ≤1,000,000:1 Contrast Ratio

Designed to awe and inspire, the VIVID's industry-leading contrast ratios and HDR capabilities transport you to a realm where every image bursts with life, immersing you in a breathtaking tapestry of colours and details.

### Up to 40% energy savings with VIVID COB!

COB, Flip-Chip and Common Cathode technologies combine to create one of the most advanced, energy efficient, fine pitch displays on the market.





Ultra slim profile - 28 mm



Superior thermal performance



Super-wide viewing angle



3840Hz



Up to 40% energy saving\*



Market leading image quality



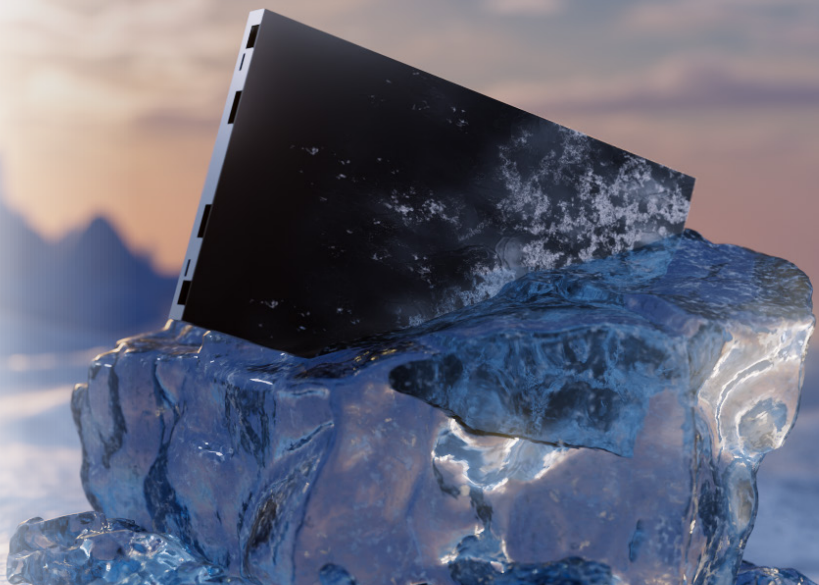
Pixel protection technology



≤1,000,000:1 contrast



Common cathode technology

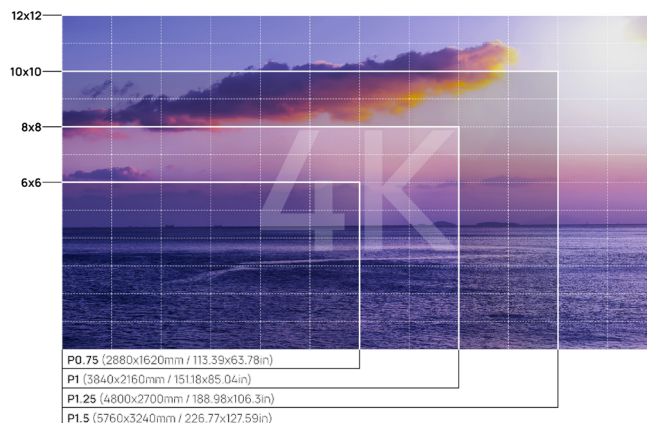
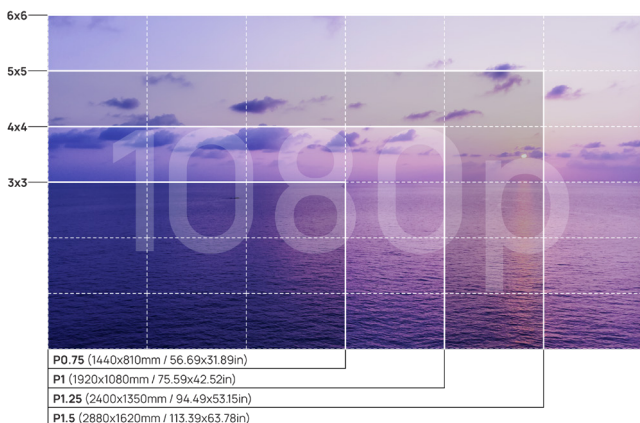


### Cool To The Touch

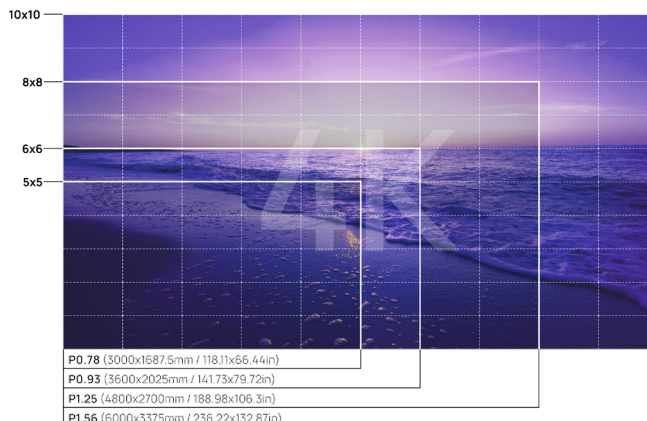
Thanks to the VIVID's low BTU output, there's no need to cool the surrounding environment, translating to significant cost savings often overlooked, like air conditioning expenses. Elevate your displays while being environmentally and budget-conscious.

## Fixed Resolutions & Custom Sizes

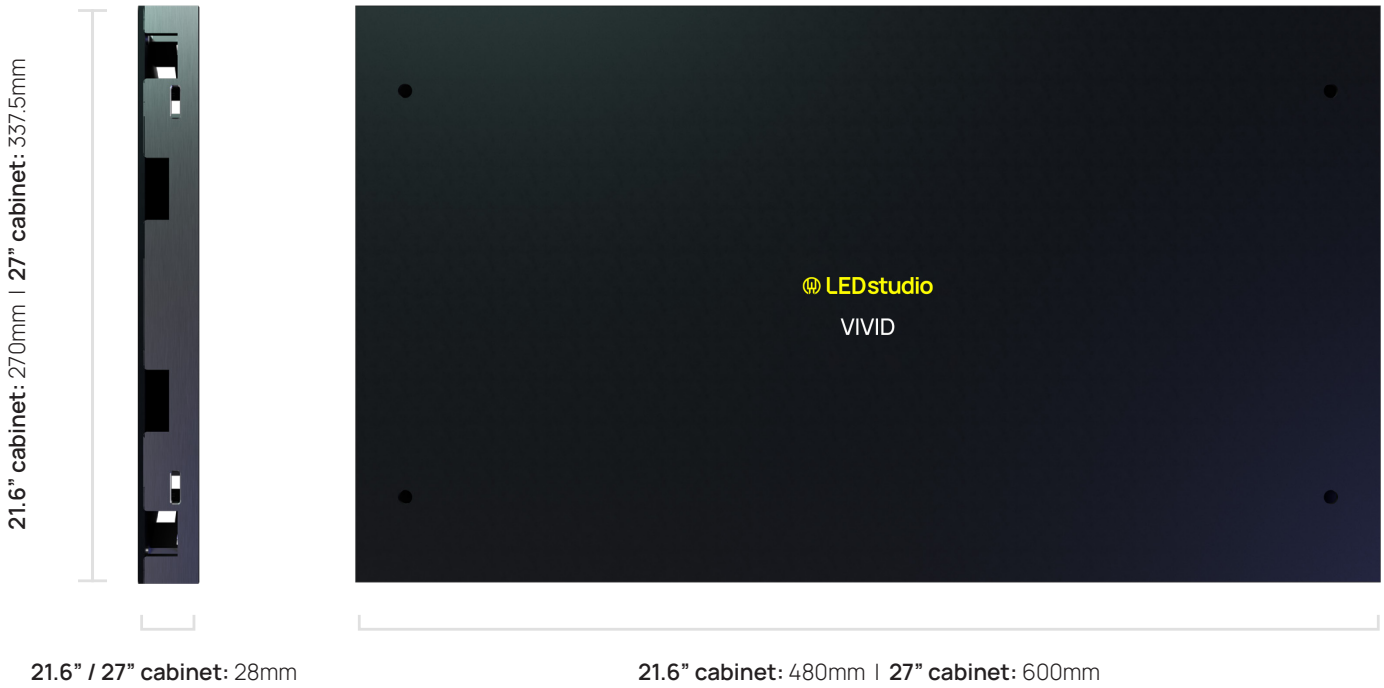
21.6" CABINET ARRAYS



27" CABINET ARRAYS



# Cabinet Sizes

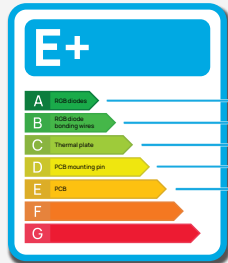


## THE CLOCK IS TICKING, AND SO IS YOUR ENERGY METER!

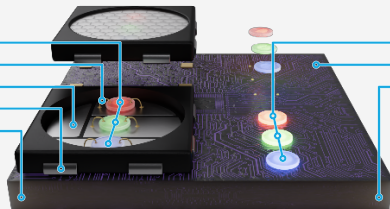
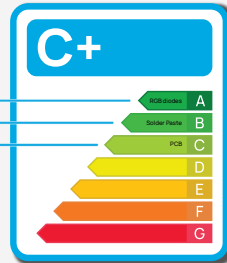
We've gone under the microscope, allowing you to see the components that make up an SMD pixel versus a COB Flip Chip (common cathode) pixel first-hand.

As you can see, the SMD pixel structure has many more component layers VS the COB Flip Chip pixel. When you add components to a circuit, you increase the resistance, resulting in **WASTED ENERGY** in the form of heat.

SMD Resistance Layers



COB Resistance Layers



## What is VIVID CONNECT?

VIVID Connect simplifies LED display connections by enabling a direct HDMI setup, removing the need for extra LED controllers or processors. Not only does this reduce setup complexity, but it also saves on hardware costs—perfect for straightforward boardroom setups or digital signage applications. With support for up to 2K/ 1080p resolution, VIVID Connect provides an easy, budget-friendly solution for stunning displays.



# SPECIFICATIONS - VIVID 21.6" COB (Common Cathode)

Core Specifications				
Pixel Pitch	0.75	1	1.25	1.56
Pixel Configuration	COB (MicroLED)	COB	COB	COB
Module Size (mm) (ft'in") (W×H)	N/A	N/A	N/A	N/A
Module Resolution (pixels) (W×H)	N/A	N/A	N/A	N/A
Cabinet Size (mm) (ft'in") (W×H×D)	480 x 270 x 28 / 1' 6.90" x 0' 10.63" x 0' 110"	480 x 270 x 28 / 1' 6.90" x 0' 10.63" x 0' 110"	480 x 270 x 28 / 1' 6.90" x 0' 10.63" x 0' 110"	480 x 270 x 28 / 1' 6.90" x 0' 10.63" x 0' 110"
Cabinet Resolution (pixels) (W×H)	640 x 360	480 x 270	384 x 216	320 x 180
Display Size (mm) (ft'in") (W×H×D)	N/A	N/A	N/A	N/A
Display Resolution (pixels) (W×H)	N/A	N/A	N/A	N/A
Display Diagonal (in)	N/A	N/A	N/A	N/A
Weight (kg/m <sup>2</sup> ) (lbs/ft <sup>2</sup> )	N/A	N/A	N/A	N/A
Cabinet Weight (kg/lbs)	3.1 / 6.8	3.1 / 6.8	3.1 / 6.8	3.1 / 6.8
Maintenance	Front	Front	Front	Front
Brightness (nits)	800	800	800	800
Contrast Ratio	1,000,000:1	1,000,000:1	1,000,000:1	1,000,000:1
Lifetime Hours ≥	Up to 100,000	Up to 100,000	Up to 100,000	Up to 100,000
Aspect Ratio	16:9	16:9	16:9	16:9
IP Rating	N/A	N/A	N/A	N/A
Technical Specifications				
Viewing Angle°	178	178	178	178
Grey Scale (bit)	14	14	14	14
Refresh Rate* (Hz)	3840	3840	3840	3840
Working Voltage	For full specifications, contact us at: sales@theledstudio.com   +44 (0) 20 3832 9500			
Scan Rate*				
Operating Temperature (°C / °F)				
Colour Temperature (K)				
Operating Humidity (RH)				
Maximum Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )				
Average Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )				

# SPECIFICATIONS - VIVID 27" COB (Common Cathode)

Core Specifications					
Pixel Pitch	0.78	0.94	1.25	1.56	1.88
Pixel Configuration	COM (MicroLED)	COB	COB	COB	COB
Module Size (mm) (ft'in") (W×H)	N/A	N/A	N/A	N/A	N/A
Module Resolution (pixels) (W×H)	N/A	N/A	N/A	N/A	N/A
Cabinet Size (mm) (ft'in") (W×H×D)	600 x 337.5 x 28 / 1' 11.62" x 1' 1.29" x 0' 110"	600 x 337.5 x 28 / 1' 11.62" x 1' 1.29" x 0' 110"	600 x 337.5 x 28 / 1' 11.62" x 1' 1.29" x 0' 110"	600 x 337.5 x 28 / 1' 11.62" x 1' 1.29" x 0' 110"	600 x 337.5 x 28 / 1' 11.62" x 1' 1.29" x 0' 110"
Cabinet Resolution (pixels) (W×H)	768x432	640x360	480x270	384x216	320x180
Display Size (mm) (ft'in") (W×H×D)	N/A	N/A	N/A	N/A	N/A
Display Resolution (pixels) (W×H)	N/A	N/A	N/A	N/A	N/A
Display Diagonal (in)	N/A	N/A	N/A	N/A	N/A
Weight (kg/m <sup>2</sup> ) (lbs/ft <sup>2</sup> )	N/A	N/A	N/A	N/A	N/A
Cabinet Weight (kg/lbs)	5.2 / 11.1	5.2 / 11.1	5.2 / 11.1	5.2 / 11.1	5.2 / 11.1
Maintenance	Front	Front	Front	Front	Front
Brightness (nits)	800	800	800	800	1200
Contrast Ratio	1,000,000:1	1,000,000:1	1,000,000:1	1,000,000:1	1,000,000:1
Lifetime Hours ≥	Up to 100,000	Up to 100,000	Up to 100,000	Up to 100,000	Up to 100,000
Aspect Ratio	16:9	16:9	16:9	16:9	16:9
IP Rating	N/A	N/A	N/A	N/A	N/A
Technical Specifications					
Viewing Angle°	178	178	178	178	178
Grey Scale (bit)	14	14	14	14	14
Refresh Rate* (Hz)	3840	3840	3840	3840	3840
Working Voltage	For full specifications, contact us at: sales@theledstudio.com   +44 (0) 20 3832 9500				
Scan Rate*					
Operating Temperature (°C / °F)					
Colour Temperature (K)					
Operating Humidity (RH)					
Maximum Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )					
Average Power Consumption (W/m <sup>2</sup> ) (W/ft <sup>2</sup> )					

\*All data contained is subject to change based on project requirements.

\*Scan Rate and Refresh Rate subject to project specifications.

\*Average power consumption is subject to display brightness and pixel configuration.





LED display technology  
for tomorrow's world. ↵

Please contact us if you have any questions,  
we're always happy to help

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