



# Clarity Matrix G3

## Complete LX55M-L 2x2

### LCD Video Wall System

The Clarity® Matrix® G3 Complete™ LX55M-L 2x2 is a pre-packaged, ready-to-install, LCD video wall that includes four Full HD Clarity Matrix LX55M video wall displays, cables, trim, mounts, remote power supply with redundancy, and off-board Planar® Video Controller. The 110" video wall delivers 24x7 reliability, 4K resolution, high brightness and the narrowest tiled bezels in the industry.



SPECIFICATION	DETAIL
<b>Technology</b>	Commercial-grade LCD
<b>Per Panel Dimensions (Including Mount)</b>	47.7 x 26.8 x 3.6 in   1211.0 x 687.1 x 91.3 mm
<b>Wall Dimensions (WxHxD) (Including Trim and Mount)</b>	95.5 x 53.8 x 3.6 in   2426.0 x 1367.4 x 91.3 mm
<b>Diagonal</b>	109.4 in   2778.6 mm
<b>Native Resolution Panels</b>	1920 x 1080
<b>Spare Displays Included</b>	1
<b>Native Resolution Wall</b>	3840 x 2160
<b>Aspect Ratio</b>	16:9
<b>Tiled Bezel Width</b>	0.88 mm   .04 in
<b>Thermal Expansion Gap Required</b>	0.4 mm   .02 in
<b>Wall Power Consumption (max)</b>	940W (for displays only. Use Clarity Matrix calculator for total system wattage).
<b>Rack Components and Cable Power Consumption (max)</b>	347W
<b>Power supply voltage</b>	100-230V AC ± 10%, 50 to 60 Hz
<b>Power Status</b>	Diagnostics LEDs, health monitoring and alerts
<b>Per Panel Weight (Including Mount)</b>	47 lbs   21.1 kg
<b>Wall Weight</b>	199 lbs   90.3 kg
<b>Shipping weight</b>	400 lbs   182 kg
<b>Mounted Depth</b>	3.6in   91.44mm (wall to front of display)

<b>Brightness (typ)</b>	500 cd/m <sup>2</sup> or nits
<b>Contrast ratio (full field)</b>	10000:1 (local dimming on) 1100:1 (local dimming off)
<b>Response Time (typ)</b>	8 ms
<b>Full viewing angle</b>	178°
<b>Video Inputs (Controller)</b>	4x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2
<b>Video Outputs (Controller)</b>	4x RJ45 8P8C, 1x DisplayPort 1.2
<b>Video Extension built-in</b>	200ft   60m over STP CAT6
<b>Control</b>	IR Remote Control, RS-232, USB, Network, Planar WallDirector Software
<b>Sync</b>	Mini BNC In/Out
<b>Backlight control</b>	Individual and wall control
<b>Backlight sensing and reporting</b>	At display level
<b>Display module position sensing</b>	Auto-sensing integrated
<b>Backlight life (1/2 brightness)</b>	50,000 Hrs
<b>Power Supply</b>	Offboard   Redundant Optional   Hot Swap
<b>Wall Mount</b>	Planar® EasyAxis™ Mounting System
<b>Acoustic Noise</b>	LCD: <30dBA (fanless), VC: 45dBA, RPS: <40dBA @ 25°C (77°F)
<b>Wall Heat Load (max)</b>	3207 BTU/hr
<b>Rack Heat Load (max)</b>	601 BTU/hr
<b>Operating Temperature/Humidity (degrees F/C, relative humidity)</b>	5° to 40° C / 20-90% RH   41° to 104° F / 20-90% RH
<b>Orientation</b>	Landscape
<b>Safety regulations</b>	Complies with EN62368-1, FCC Class A, CISPR22/85, CE, EU RoHS
<b>Cat6 Cables and Connectors</b>	Cat6a STP (shield twisted pair) cables and connectors are required.

For more information, please visit [www.planar.com](http://www.planar.com)

*Specifications are subject to change without notice.*

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