



# Clarity Matrix G3

## Complete LX55M-L 4x4

### LCD Video Wall System

The Clarity® Matrix® G3 Complete™ LX55M-L 4x4 is a pre-packaged, ready-to-install, LCD video wall that includes 16 Full HD Clarity Matrix LX55M video wall displays, cables, trim, mounts, remote power supply with redundancy, and off-board Planar® Video Controller. The 220" video wall delivers 24x7 reliability, 8K resolution, high brightness and the narrowest tiled bezels in the industry.



SPECIFICATION	DETAIL
Technology	Commercial-grade LCD
Per Panel Dimensions (Including Mount)	47.7 x 26.8 x 3.6 in   1211.0 x 687.1 x 91.3 mm
Wall Dimensions (WxHxD) (Including Trim and Mount)	190.9 x 107.5 x 3.6 in   4848.0 x 2730.8 x 91.3 mm
Diagonal	218.8 in   5557.6 mm
Native Resolution Panels	1920 x 1080
Spare Displays Included	3
Native Resolution Wall	7680 x 4320
Aspect Ratio	16:9
Tiled Bezel Width	0.88 mm   .04 in
Thermal Expansion Gap Required	0.4 mm   .02 in
Wall Power Consumption (max)	3760W (for displays only. Use Clarity Matrix calculator for total system wattage).
Rack Components and Cable Power Consumption (max)	1278W
Power supply voltage	100-230V AC ± 10%, 50 to 60 Hz
Power Status	Diagnostics LEDs, health monitoring and alerts
Per Panel Weight (Including Mount)	47 lbs   21.1 kg
Wall Weight	784 lbs   355.6 kg
Shipping weight	1480 lbs   671.3 kg
Mounted Depth	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>	8x HDMI 2.0 (w/ HDCP 2.2), 1x DisplayPort 1.2
<b>Video Outputs (Controller)</b>	18 x RJ45 8P8C, 2 x 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>	12830 BTU/hr
<b>Rack Heat Load (max)</b>	2028 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.*

*Specification Report Date: 3/22/2023*

*© Copyright 2023 Planar Systems, Inc. All rights reserved*