



# 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   |
|--|--|
| Part Number  | 998-1883-02  |
| 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  |

|  |   |
|--|---|
| <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>   | 784 lbs   355.6 kg  |
| <b>Shipping weight</b>   | 1480 lbs   671.3 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>                                       | 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.   |
| <b>HDMI®</b>                      | Planar utilizes HDMI® standards in this product. The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. |

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

*Specifications are subject to change without notice.*

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