



# Clarity Matrix G3 LX46U

## LCD Video Wall System

The Clarity® Matrix® G3 LX46U is a 46" LCD video wall display with a tiled bezel width of 3.7mm that provides a nearly seamless digital canvas, outstanding tiled visual performance, extended operation and requires minimal installation space. Designed for 24x7 operation, the Clarity Matrix G3 LX46U features 500 nits brightness, LED backlight technology and Full HD resolution—making it the ideal video wall for high-impact, mission-critical applications.



SPECIFICATION	DETAIL
Technology	Commercial-grade LCD
Per Panel Dimensions (Including Mount)	40.2 x 22.7 x 3.6in   1022 x 577 x 91mm
Diagonal	46in   1168.4mm
Native Resolution Panels	1920 x 1080
Aspect Ratio	16:9
Tiled Bezel Width	0.15in   3.7mm
Power Consumption, Typical (watts)	106/Display
Power supply voltage	100-230V AC ± 10%, 50 to 60 Hz
Power Status	Diagnostics LEDs, health monitoring and alerts
Per Panel Weight (Including Mount)	40lb   18kg (Landscape) 42lb   19kg (Portrait)
Shipping weight	142lb   64.4kg
Mounted Depth	3.6in   91.44mm (wall to front of display)
Brightness (typ)	500 cd/m <sup>2</sup> or nits
Contrast ratio (full field)	4000:1
Response Time (typ)	8 ms
Full viewing angle	178°
Data Inputs	4 HDMI 2.0, 1 DisplayPort 1.2
Video Extension built-in	200ft   60m over STP CAT6
Control	IR Remote, RS232, Ethernet, WallDirector™ Software

<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   VESA Mount (optional)
<b>Acoustic Noise</b>	Fanless operation at the Display
<b>Heat load</b>	563 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 or Portrait
<b>Safety regulations</b>	Complies with EN60950, FCC Class A, CISPR22/85, CE, EU RoHS
<b>Touch Technology</b>	Clarity Matrix MultiTouch (optional)
<b>Protection</b>	Planar® ERO-LCD™ (Extended Ruggedness and Optics™) Technology (optional)
<b>Fiber Video Extension Module Option</b>	1 RU rack mount module drives up to 4 displays
<b>Fiber Video Extension Module Outputs</b>	SFP multi-mode transceivers supports distances up to 300m from wall   Single-mode compatible up to 10k from the wall

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

*Specifications are subject to change without notice.*

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