



CONTRACTOR'S SPECIFICATIONS

Planar® VM Series LCD Video Wall

This document is to be used by an integrator, designer, consultant, or end user to develop specifications to a project utilizing a Planar® VM Series LCD Video Wall. Below you will find a table of product specifications for the Planar VM Series and unique specifications that can be used when designing and writing specifications. The table lists the feature category and the detailed specs. There is also a description of the main benefit which usually does not appear in the bid but offers background and explanation on the requirement purpose.

Planar VM Series Specifications

Planar VM Series LCD Video Wall

Feature	Requirement	Benefit
Specification List: Applies to VM55MX-X, VM55LX-X, VM55LX-U	LCD Technology: Commercial-grade direct view IPS LCD Display Resolution: 1920 x 1080 Full Viewing Angle: 178° Response time (typical): 8ms or better Contrast Ratio (dynamic): 20,000:1 Colors : 16.7 million Backlight type: LED Backlight life (1/2 brightness): 50,000 Hrs Power supply voltage: 100-240V AC ± 10%, 50 to 60 Hz Acoustic Noise: Fanless operation at the display Operating Temperature/Humidity (degrees F/C) 20-90% relative humidity, non-condensing: 5° to 40° C 41° to 104° F Regulations: Complies with EN60950, FCC Class A, CISPR22/85, EC, EU RoHS, TAA Compliant	
Specification List: VM55MX-X	Diagonal Size: 55 inches (1397mm) Tiled bezel width (min.) : 1.8mm or better Brightness (maximum) : 700 candelas or nits Contrast Ratio: 1200:1 Heat load (Typical): TBD BTU per hour Power consumption: TBD watts per panel (Typical Max.)	
Specification List: VM55LX-X	Diagonal Size: 55 inches (1397mm) Tiled bezel width (min.) : 1.8mm or better Brightness (maximum) : 500 candelas or nits Contrast Ratio: 1200:1 Heat load (Typical) : TBD BTU per hour Power consumption: TBD watts per panel (Typical Max.)	
Specification List: VM55LX-U	Diagonal Size: 55 inches (1397mm) Tiled bezel width (min.) : 3.5mm or better Brightness (maximum) : 500 candelas or nits Contrast Ratio: 1400:1 Heat load (Typical) : TBD BTU per hour Power consumption: TBD watts per panel (Typical Max.)	

Mounting System

Weight	The LCD module must weigh less than: Extreme Narrow Bezel: 54lb (26kg) Ultra-Narrow Bezel 59lb (27kg)	
Orientation	The display must be capable of being installed in both landscape and portrait orientation.	Many video wall systems do not support LCDs mounted in portrait orientation, or they are not warranted for portrait mounting.
Alignment Brackets	The display must ship with alignment brackets that properly space the mounts apart from each other.	Many video wall displays do not ship with alignment brackets, making it difficult to space the LCDs perfectly, nor do they keep the LCDs from resting on each other, which can cause damage.

Environmental

Noise	The display must utilize a fanless LCD design.	Most LCDs have built-
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