



Planar DirectLight Essential Complete HD 109

LED Video Wall

The Planar® DirectLight® Essential Complete HD 109" is a Full HD LED video wall solution that includes everything an organization needs to deliver stunning visual performance for budget-conscious applications, in less time and with less effort. Designed with COB (Chip-on-Board) technology, it offers high pixel density and enhanced durability that results in a high-quality viewing experience with improved brightness, deeper blacks and a high contrast ratio—perfect for high-traffic indoor environments with abundant ambient light. The solution comes with LED display cabinets, cables, spare modules, wall mounts, trim, remote control and full-featured video controller all included.



SPECIFICATION	DETAIL
Planar Model	DL Essential Complete HD 109
Planar Part Number	998-4555-00
Pixel Pitch (mm)	1.25
LED Type	COB (Chip-on-Board)
Display Dimensions (mm)	2,400 x 1,350
Display Size, Diagonal	108.4"
Display Resolution (pixels)	1920 x 1080
Cabinet Array	4 x 4
Video Controller	VC4-L F
Breaktout Box	T10-F-C1G

Max. Brightness (nits)	1,000
Contrast	30,000:1
Color Temperature (K)	3,000 - 10,000 Adjustable
Viewing Angle, Horizontal	170°
Viewing Angle, Vertical	150°
Refresh Rate (Hz)	3,840
Frame Refresh Rate (Hz)	24 - 120
Viewing Distance	7 to 14'
Power Consumption, Maximum (watts)	1,920
Power Consumption, Typical (watts)	410
Power (V-AC)	100-240
Operating Temperature (°C)	-10 to 40
Operating humidity range	10% to 80%
Storage Temperature (°C)	-20 to 60
Storage Humidity	10% to 85%
Typical Lifetime (Hrs)	100,000
Service Access	Front
Accessories	Planar Remote, IR Receiver, IR Extension Cable, Module Removal Tool, Module Z-Axis Tool, Metric Hex Key Set
Warranty	Planar Standard Warranty 3 Years

For more information, please visit www.planar.com

Specifications are subject to change without notice.

Specification Report Date: 6/20/2025

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