PLANAR

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Planar DirectLight Pro Series

LED Video Wall Displays

- *Complete 109", 137", 164", 198", & 219" sizes*
- *Customizable with 0.9, 1.2, 1.5, & 1.8mm pixel pitches*
- *1,000-nit brightness*
- *Compatible with multiple controllers*
- *Planar® EverCare™ Lifetime Limited Warranty*



Planar® DirectLight® Pro Series fine pixel pitch LED video walls deliver beautiful imagery to suit every indoor, fixed installation application. The TAA-Compliant, front-service video walls feature models with high bandwidth, reducing deployment complexity and maximizing overall efficiency. For wider processing and feature flexibility the displays are compatible with the Planar® WallDirector™ Video Controller, Brompton Technology® and Colorlight.

PLANAR EVERCARE LIFETIME WARRANTY · TAA COMPLIANT · ada · 24 x 7 · WIDE COLOR GAMUT · 16:9 · FRONT SERVICE · HDR HIGH DYNAMIC RANGE

Design Your Own

If none of the pre-configured Planar DirectLight Pro Series video walls is quite right for your space, the modular design lets you create video walls with custom sizes, shapes and resolutions using 27" or 36" LED video wall cabinets.

Cabinets are available with 0.9, 1.2, 1.5, & 1.8mm pixel pitches.





Engrained Efficiency

Video walls are comprised of both 27” and double-tall 36” LED cabinets. Fewer cabinets speed installation and maintenance, and lessens potential for visible seams.



Powerful Video Controller & Software

The compact and scalable Planar® WallDirector™ Video Controller drives the video wall at native resolution while its corresponding web-based software simplifies setup and management. It captures multiple 4K inputs and can be stacked with additional controllers for more video inputs.



High Bandwidth

Most models offer 5x the bandwidth of competitive solutions, reducing total cost of ownership with fewer cabinets, cables and internal components like receivers and power supplies.



Lifetime Protection

Planar DirectLight Pro Series is protected by the Planar® EverCare™ Lifetime Limited Warranty which covers the whole display, everything from the sub-pixels to the video controller, for as long as it is used in a fixed location.



Controller Compatibility

While the Planar WallDirector Video Controller and software are the default, displays are also compatible with Brompton Technology™ and Colorlight to suit more nuanced applications.



Turn the Corner

Display modules and cabinets have 45° beveled edges enabling video walls to wrap around 90° corners for unique installations, and opening the displays for use in more creative applications.

Configure a Video Wall

Planar DirectLight Pro Series video walls feature a modular design with display cabinets that stack like building blocks in any configuration. Create video walls with custom sizes, shapes, corners, curves and resolutions.

Full HD 1920 x 1080 4K 3840 x 2160 8K 7680 x 4320



Models	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8	9 x 9	10 x 10	11 x 11	12 x 12
DLP 0.9	640 x 360	1280 x 720	1920 x 1080	2560 x 1440	3200 x 1800	3840 x 2160	4480 x 2520	5120 x 2880	5760 x 3240	6400 x 3600	7040 x 3960	7680 x 4320
DLP 1.2	480 x 270	960 x 540	1440 x 810	1920 x 1080	2400 x 1350	2880 x 1620	3360 x 1890	3840 x 2160	4320 x 2430	4800 x 2700	5280 x 2970	5760 x 3240
DLP 1.5	384 x 216	768 x 432	1152 x 648	1536 X 864	1920 x 1080	2304 x 1296	2688 x 1512	3072 x 1728	3456 x 1944	3840 x 2160	4224 x 2376	4608 x 2592
DLP 1.8	320 x 180	640 x 360	960 x 540	1280 x 720	1600 x 900	1920 x 1080	2240 x 1260	2560 x 1440	2880 x 1620	3200 x 1800	3520 x 1980	3840 x 2160

Video Wall Sizes												
Area (sq m)	0.21	0.82	1.85	3.29	5.14	7.41	10.08	13.17	16.67	20.58	24.90	29.63
Diagonal	27″	55″	82″	109″	137″	164″	191″	219″	246″	273″	301″	328″
Feet/Meters	1.1 x 2.0ft 0.3 x 0.6m	2.2 x 4.0ft 0.7 x 1.2m	3.4 x 6.0ft 1.0 x 1.8m	4.5 x 7.9ft 1.4 x 2.4m	5.6 x 9.9ft 1.7 x 3.0 m	6.9 x 11.7ft 3.6 x 2.0m	7.8 x 14.0ft 2.4 x 4.2m	8.9 x 15.9ft 2.7 x 4.8m	10.1 x 17.9ft 3.1 x 5.4m	11.2 x 19.8ft 3.4 x 6.0m	12.2 x 21.8ft 3.7 x 6.7m	13.4 x 23.8ft 4.1 x 7.3m



Extended Ruggedness & Optics

Displays are available with Planar® ERO-LED™ (Extended Ruggedness and Optics™) protective coating that adds durability in high-traffic and interactive environments.



Enable Interactivity

Optimize video walls with a custom 32-point touch system and Planar ERO-LED. The touch solution is not limited to a 16:9 aspect ratio, opening the door to more sizes and shapes.



Always-On Reliability

Planar DirectLight Pro Series displays are designed for mission-critical environments where displays need to withstand extended or continuous operation day and night. Control rooms, hospitals and other applications that can't afford downtime benefit from exceptional performance 24x7.



Low-Power Standby Mode

When not in use, enable the video wall to enter a low power mode with the optional Planar® Smart Power Switch. The slim, LAN-connected AC switch fits behind the video wall displays and lowers power draw from each column of cabinets.

Specifications

Complete Model	HD109	HD137	HD164	DHD198	UHD164	UHD219
Display Technology	Direct View LED					
Display Resolution		1920 x 1080		3840 x 1080	3840 x2160	
Display Size *(Diagonal)*	109in	137in	164in	198in	164in	219in
Display Size *(W x H)*	7.9ft x 4.5ft 2419 x 1361mm	9.9ft x 5.6ft | 3024 x 1701mm	11.9ft x 6.7ft | 3629 x 2041mm	15.9ft x 4.5ft | 4839 x 1361mm	11.9ft x 6.7ft | 3629 x 2041mm	15.9ft x 8.9ft | 4839 x 2722mm
Pixel Pitch	1.26mm	1.575mm	1.89mm	1.26mm	0.9mm	1.26mm
Brightness Max, Calibration On	1,000cd/sq					
Contrast Ratio	7,000:1					
Brightness Uniformity	≥97%					
Color Uniformity	≥97%					
LED Refresh Rate	3,000					
Color Temperature Range (k)	3,000 - 10,000					
Viewing Angle *(50% Brightness)*	>170° Horizontal; >140° Vertical					
Video Controller Size	1U rack-mounted controller, 19" rack					
Video Input Resolution, Max	3840 x 2160 @ 60hz					
Frame Rate	50, 60hz					
Video Inputs	4x HDMI 2.0 (w/ HDCP 2.2)					
HDR Support	Yes					
Control	IR Remote Control, RS-232, USB, Network, Planar WallDirector Software					
Installation & Service Access	Front, Planar tool supplied, Module Locking feature					
Runtime Duty Cycle *(Hours/Day)*	24 x 7					
LED Lifetime, Typical	100,000hrs					
Line Voltage	100-240V AC, 50/60hz					
Power Consumption, Maximum	2,230 watts	3,445 watts	4,930 watts	4,390 watts	4,930 watts	8,710 watts
Display Weight	112kg |247lbs	176kg | 388lbs	249kg | 547lbs	222kg | 489lbs	255kg | 561lbs	439kg | 965lbs
Storage Temperature/Humidity *(degrees F/C)*	-40° to 60° C | -40° to 140° F *10-85% relative humidity, non-condensing*					
Operating Temperature/Humidity *(degrees F/C)*	-20° to 40° C | -4° to 104° F *10-80% relative humidity, non-condensing*					
Warranty	Planar EverCare Lifetime Limited Warranty (North America)					
Package Includes	Display wall, Planar WallDirector Video Controller, Signal cables, Power cables, Wall mount, Trim, Remote Control, and Module Spares (May vary by region)					

Cabinet Model	DLP 0.9	DLP 1.2	DLP 1.5	DLP 1.8
Pixel Pitch	0.945mm	1.26mm	1.575mm	1.89mm
Cabinet Resolution	27" - 640 x 360 36" - 640 x 720	27" - 480 x 270 36" - 480 x 540	27" - 384 x 216 36" - 384 x 432	27" - 320 x 180 36" - 320 x 360
Pixel Density	1,119,789/sq m | 10,4032/sq ft	629,882/sq m | 58,518/sq ft	403,124/sq m | 37,451/sq ft	279,947/sq m | 26,008/sq ft
Brightness Max, Calibration On	1,000cd/sq			
Viewing Angle *(50% Brightness)*	>170° Horizontal; >140° Vertical			
Cabinet Size *(W x H x D)*	27" - 604.8 × 340.2 × 72.5mm | 23.81 x 13.39 x 2.85in 36" - 604.8 x 680.4 x 72.5mm | 23.81 x 26.78 x 2.85in			
Weight *(Cabinet)*	27" - 6.94kg | 15.3lbs 36" - 13.2kg | 29.1lbs			
Installation & Service Access	Front Access, module removal. All internal electronics accessible			
Supported Installation Types	Standard Flat Wall | Forward Tilt: up to 10° | 90° exterior corners | Concave faceted curve			
Controller Compatibility	Planar WallDirector Video Controller | Optional: Brompton & Colorlight			
Regulatory Compliance	NRTL UL 60950-1 TUV Rheinland, FCC Class A, CE EN60950-1, EN 55032 Class A and EN55024, WEEE, CISPR 32/2015			
Warranty	Planar EverCare Lifetime Limited Warranty (North America)			

Specifications may vary by model and selected video controller. This specification assumed Planar WallDirector Video Controller

For more information visit: www.planar.com/products/led-video-walls/planar-directlight-pro

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