Planar Luminate Pro Series

Outdoor LED
Video Wall Displays

▶ *2.5, 2.9mm pixel pitches*

▶ *Angle blocks for concave & convex curves*

▶ *Single-person handling*

▶ *Hang, stack or wall mount*
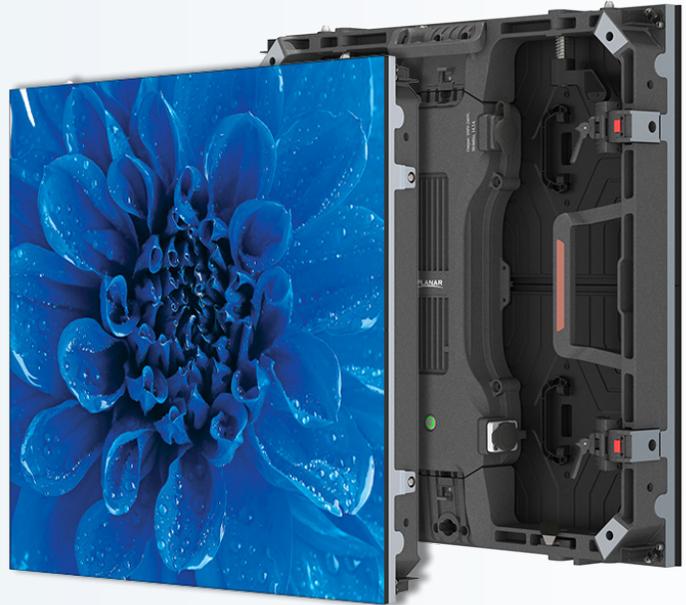
Planar® Luminate™ Pro Series outdoor high-brightness LED video wall displays shine in the daylight and are designed to meet the fast-paced needs of temporary event applications and fixed installation. They offer easy front or rear-service access to electronics for deployment versatility and cabinets with a quick-lock system support single-person handling.

Outdoor Infotainment

For outside daytime events and digital signage such as movies in the park, speeches, concerts and athletics, high-bright, quick-install Planar Luminate Pro Series LED video walls deliver comfortable, seamless viewing from as close as 14 feet.

Weatherproof

The displays feature a dust-tight enclosure to protect the LED display in harsh outdoor conditions, earning them an IP65 Ingress Protection Rating.

Bright in the Light

The displays are suitable for daylight applications offering up to 4,500-nit brightness, ideal for sports, concerts, cinema and digital signage even in direct sunlight.

Corner Protection

Built-in, 90-degree, retractable guards help avoid damage to LEDs near the corners during setup, teardown and transportation.
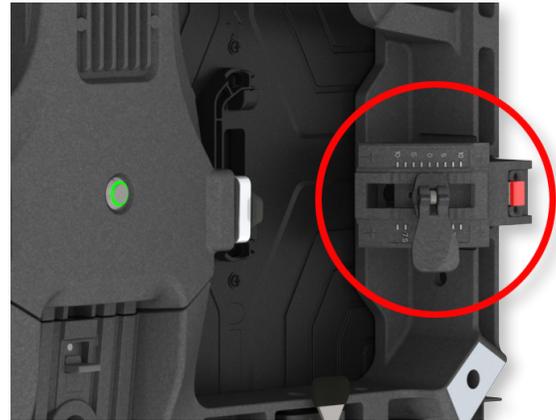
Curve Capable

On-board angle blocks enable connected cabinets to effortlessly, and securely, form convex or concave video walls with up to +/-10 degrees of curve.
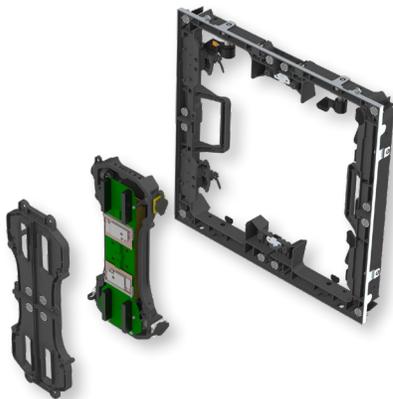

Compact Components

All electronics are contained in single compartment on the back of the cabinet. The electronics compartment can be accessed from the front or back and easily removed.

Front or Rear Service

When in use, the display's modular design offers full front or rear access to electronics, enabling more installation options and making any needed maintenance and service simpler.

Specifications

Model	LPO-2.5	LPO-2.9
Pixel Pitch *(mm)*	2.5	2.9
Cabinet Size *(W x H x D)*	19.69"x19.69"x2.48" | 500x500x63mm	
Cabinet Diagonal	27.83" (707.10mm)	
Cabinet Area *(m²)*	0.25	
Cabinet Resolution	200x200	168x168
LEDs per Cabinet	40,000	28,224
Modules/Cabinet *(W x H)*	2x2	
Module Size *(W x H)*	250x250mm	
Power Consumption, Maximum *(watts)*	140	135
Line Voltage	100~240v AC, 50/60Hz	
Cabinet Weight (per display)	≤ 17.64lbs	
Cabinet Weight *(per m²)*	≤ 70.55lbs	
Brightness Max, Calibration On *(cd/sq)*	4,000	4,500
Supported Frame Rate	50Hz/60Hz	
Color Temperature *(K)*	3,000-10,000 adjustable	
Contrast	5,000:1	
Viewing Angle (50% of brightness)	>160° horizontal; >160° vertical	
Mounting Orientation	Wall mount, faceted, hanging, stacking	
Installation/Service	Front or Rear	
Refresh Rate	3,840Hz	
LED Lifetime (50% brightness)	100,000hrs	
Operating Temp/Humidity *(degrees F/C)*	-22° to 50° C | -34° to 122° F (10-80% RH, non-condensing)	
Storage Temp/Humidity *(degrees F/C)*	-40° to 60° C | -40° to 140° F (10-85% RH, non-condensing)	
IP Rating	IP65 Front/Back	
Warranty	3 years	

For more information, click to visit: https://www.planar.com/luminate-pro