



Planar Luminate Ultra W Series

Outdoor MicroLED Video Wall

- ▶ *Preconfigured 115", 145", 173" & 231" sizes*
- ▶ *Configurable with 1.3, 1.6 & 2mm pixel pitches*
- ▶ *3,000-nit brightness*
- ▶ *GOB protective coating*

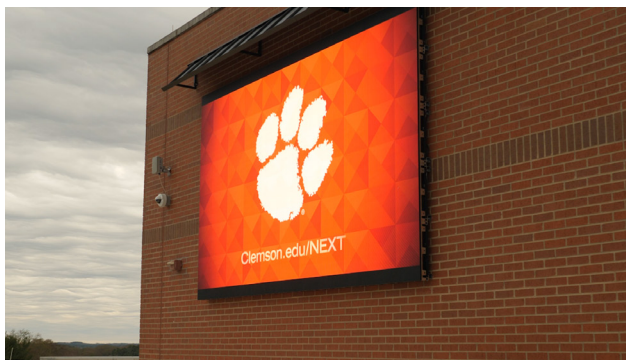


Planar® Luminate™ Ultra W Series MicroLED video wall displays are designed to bring high-detail imagery and video to outdoor environments with close viewing distances. Their 16:9 aspect ratio is ideal for Full HD and 4K cinema and sports media, while fine pixel pitch supports comfortable viewing from as close as 8 feet. High brightness ensures visibility even in direct sunlight, and waterproof Glue-On-Board (GOB) technology withstands harsh outdoor environments.

High Bright, Fine Details

Planar Luminate Ultra W Series is suitable for every sunny-day application with its 3,000-nit brightness and fine pixel pitch. They are excellent for outdoor cinema, sports stadium concourse signage, quick-serve restaurant kiosks and more. They thrive in high ambient light indoor spaces as well.





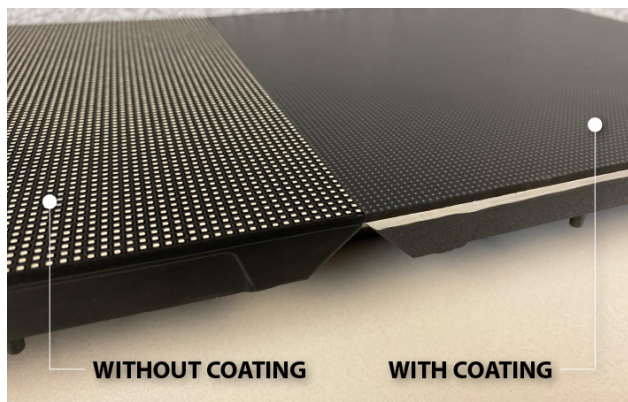
MicroLED Might

Planar Luminate Ultra W Series features advanced MicroLED technology that delivers more brightness, excellent color uniformity, better overall contrast and deeper blacks. MicroLEDs also use less power and produce less heat.



Weatherproof

Planar Luminate Ultra W Series features an IP65 Ingress Protection Rating which means displays are dust tight and protected against even powerful water jets, making them an exciting and viable option in any weather.



More Protection

The displays have a proprietary protective coating that fills the tiny gaps between LEDs adding ruggedness and weather resistance. The coating also increases visual contrast for darker black levels.



Easy Access

Front-side installation and service shrink the overall video wall footprint and virtually eliminates servicing space needed behind the wall.



Added Assurance

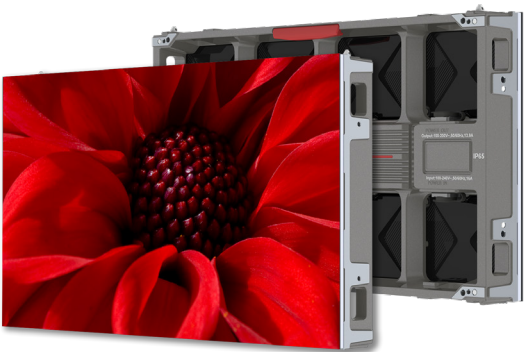
Planar Luminate Ultra W Series video walls feature a 3-year LED Standard Limited Warranty, offering additional peace-of-mind investment protection.



Off-the-Shelf or Design Your Own

Planar® Luminate Ultra W Complete™ video walls are available in Full HD 115", 145", 173" and 4K 231" sizes to reduce configuration time and complexity. Simply select a diagonal size and resolution and receive everything in one complete, no-hassle display solution.

If none of the preconfigured video walls is quite right, create custom sizes, shapes and resolutions using the 29" Planar Luminate Ultra W Series cabinets; available with 1.3, 1.6, & 2mm pixel pitches.



Specifications

Preconfigured Model	HD 115	HD 145	HD 173	UHD 231
Controller	Colorlight Z5			
Display Technology	MicroLED			
Display Diagonal	115"	145"	173"	231"
Display Size, with Mounts (W x H x D)	8.4' x 4.7' x 3.76"	10.5' x 5.9' x 3.76"	12.6' x 7.1' x 3.76"	16.8' x 9.4' x 3.76"
Display Resolution	1920x1080			3840x2160
Display Weight, with Mounts (lbs)	349	521	751	1,131
Power Consumption Max	3,360	5,250	7,650	13,440
Brightness Max, Calibration On (cd/sq)	3,000			
Supported Frame Rate	50 & 60Hz			
Color Temperature (k)	3,000-10,000 adjustable			
Luminance Variation (Uniformity-White)	97%			
Contrast	10,000:1			
Viewing Angle (50% brightness)	>170° horizontal; >170° vertical			
Front Access Installation/Service	Yes			
Refresh Rate	3,840Hz			
Operating Temperature/Humidity	-4° to 122° F -20° to 50° C (10-80% RH, non-condensing)			
Storage Temperature/Humidity	-31° to 140° F -35° to 60° C (10-85% RH, non-condensing)			
Ingress Protection Rating	IP65 Front/Back			
Video Input Resolution	4096 x 2160			
Runtime Duty Cycle (Hours/Days)	24x7			
Package Includes	Display wall, Video Controller, Wall mounts, Signal cables, Power cables, Trim, Spare module (May vary by region)			

Model	LUW 1.3	LUW 1.6	LUW 2.0
Pixel Pitch (mm)	1.3	1.6	2.0
LED Package	MicroLED		
Cabinet Size (W x H x D)	25.19" x 14.17" x 2.76" (640 x 360 x 70 mm)		
Cabinet Diagonal	28.9" (734.06mm)		
Cabinet Area (m²)	0.2		
Cabinet Resolution	480x270	384x216	320x180
LEDs per Cabinet	129,600	82,944	57,600
Modules/Cabinet (W x H)	4 x 1		
Module Resolution	120x270	96x216	80x180
Module Size (W x H)	160x 360mm		
Power Consumption, Max (watts)	150		
Line Voltage	100~240v AC, 50/60Hz		
Cabinet Weight (per display)	≤17.64lbs		
Cabinet Weight (per m²)	≤ 70.55lbs		
Mounting Orientation	Wall, Faceted		
Installation/Service Access	Front & Rear		
LED Lifetime (50% brightness)	100,000 hrs		



For more information, visit: www.planar.com/luminate-ultra-w

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