



## Planar Luminate Ultra W Series

Outdoor Micro LED 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.





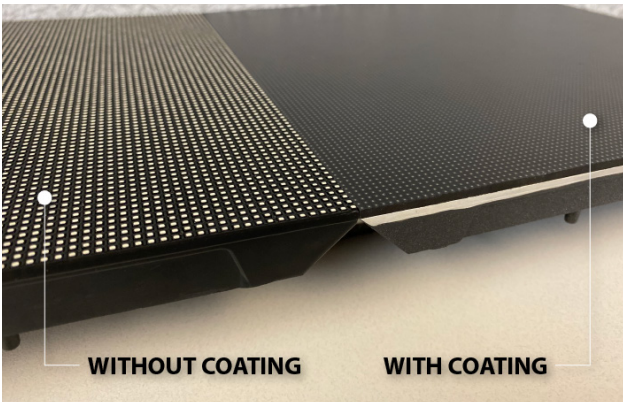
## MicroLED Might

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              |
|---|---|----------------------|----------------------|----------------------|
| <b>Controller</b>                             | Colorlight Z5   |                      |                      |                      |
| <b>Display Technology</b>                     | MicroLED  |                      |                      |                      |
| <b>Display Diagonal</b>                       | 115"  | 145"                 | 173"                 | 231"                 |
| <b>Display Size, with Mounts (W x H x D)</b>  | 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" |
| <b>Display Resolution</b>                     | 1920x1080   |                      | 3840x2160            |                      |
| <b>Display Weight, with Mounts (lbs)</b>      | 349   | 521                  | 751                  | 1,131                |
| <b>Power Consumption Max</b>                  | 3,360   | 5,250                | 7,560                | 13,440               |
| <b>Brightness Max, Calibration On (cd/sq)</b> | 3,000   |                      |                      |                      |
| <b>Supported Frame Rate</b>                   | 50 & 60Hz   |                      |                      |                      |
| <b>Color Temperature (k)</b>                  | 3,000-10,000 adjustable   |                      |                      |                      |
| <b>Luminance Variation (Uniformity-White)</b> | 97%   |                      |                      |                      |
| <b>Contrast</b>                               | 10,000:1  |                      |                      |                      |
| <b>Viewing Angle (50% brightness)</b>         | >170° horizontal; >170° vertical  |                      |                      |                      |
| <b>Front Access Installation/Service</b>      | Yes   |                      |                      |                      |
| <b>Refresh Rate</b>                           | 3,840Hz   |                      |                      |                      |
| <b>Operating Temperature/Humidity</b>         | -4° to 122° F   -20° to 50° C (10-80% RH, non-condensing)   |                      |                      |                      |
| <b>Storage Temperature/Humidity</b>           | -31° to 140° F   -35° to 60° C (10-85% RH, non-condensing)  |                      |                      |                      |
| <b>Ingress Protection Rating</b>              | IP65 Front/Back   |                      |                      |                      |
| <b>Video Input Resolution</b>                 | 4096 x 2160   |                      |                      |                      |
| <b>Runtime Duty Cycle (Hours/Days)</b>        | 24x7  |                      |                      |                      |
| <b>Package Includes</b>                       | 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 |
|---|---|---------|---------|
| <b>Pixel Pitch (mm)</b>                   | 1.3   | 1.6     | 2.0     |
| <b>LED Package</b>                        | MicroLED                                    |         |         |
| <b>Cabinet Size (W x H x D)</b>           | 25.19" x 14.17" x 2.76" (640 x 360 x 70 mm) |         |         |
| <b>Cabinet Diagonal</b>                   | 28.9" (734.06mm)                            |         |         |
| <b>Cabinet Area (m<sup>2</sup>)</b>       | 0.2   |         |         |
| <b>Cabinet Resolution</b>                 | 480x270                                     | 384x216 | 320x180 |
| <b>LEDs per Cabinet</b>                   | 129,600                                     | 82,944  | 57,600  |
| <b>Modules/Cabinet (W x H)</b>            | 4 x 1                                       |         |         |
| <b>Module Resolution</b>                  | 120x270                                     | 96x216  | 80x180  |
| <b>Module Size (W x H)</b>                | 160x 360mm                                  |         |         |
| <b>Power Consumption, Max (watts)</b>     | 210W/cabinet; 840W/m <sup>2</sup>           |         |         |
| <b>Line Voltage</b>                       | 100-240v AC, 50/60Hz                        |         |         |
| <b>Cabinet Weight (per display)</b>       | ≤17.64lbs                                   |         |         |
| <b>Cabinet Weight (per m<sup>2</sup>)</b> | ≤ 70.55lbs                                  |         |         |
| <b>Mounting Orientation</b>               | Wall, Faceted                               |         |         |
| <b>Installation/Service Access</b>        | Front & Rear                                |         |         |
| <b>LED Lifetime (50% brightness)</b>      | 100,000 hrs                                 |         |         |





For more information, visit: [www.planar.com/luminate-ultra-w](http://www.planar.com/luminate-ultra-w)

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