



## Video Walls that Unleash Architectural Inspiration

Planar® Mosaic® Architectural Video Walls redefine interior spaces, providing endless possibilities for creative expression and offering a dynamic way to deliver art and information. Planar Mosaic video walls can create desired emotions or build brand experiences in any space.

Planar Mosaic features three different sizes of LCD video wall tiles, including a truly square 22"-diagonal LCD video tile. Planar Mosaic video wall tiles can be mounted in any position relative to each other, and individually at almost any angle. With unencumbered position flexibility, off-board power supplies and sophisticated Planar Mosaic Project Designer™ software, Planar Mosaic sets the standard for architectural video walls.

# Redefining Video Walls

Planar Mosaic was developed by video wall industry experts to allow architects, interior designers, and A/V integrators to create unique video walls for their clients that are memorable, impactful and timeless.



## A Complete Solution

Planar Mosaic includes all the components necessary to create a one-of-a-kind architectural video wall.

### Planar Mosaic LCD Video Wall Tiles

Planar Mosaic makes it possible to mix and match three different sizes and shapes of LCD video tiles into unique arrays not possible with traditional video displays. Planar Mosaic tiles offer a thin installation profile of less than four inches, making Planar Mosaic compliant with the Americans with Disabilities Act (ADA).

- Planar® Salvador™ AD22 - square tile (22" diagonal)
- Planar® Pablo™ AD46 - rectangle tile (46" diagonal)
- Planar® Vincent™ AD55 - rectangle tile (55" diagonal)

### Mosaic Ensemble:

Planar Mosaic video tiles include Mosaic Ensemble - a set of components for a complete video wall solution.

#### Mosaic Mount™

Supports any tile rotation and offers easy front-servicing with push-in/push-out attachments

#### Mosaic Power Supply Modules

Rack-mountable power supplies can be located away from the video wall

#### Mosaic Project Designer™ Software

Design and preview a Planar Mosaic layout and program the tiles at installation

### Planar Extended Ruggedness and Optics (ERO)

Optional Planar® ERO™ (Extended Ruggedness and Optics™) bonds a protective layer of glass to the front of the display making it ideal for high-traffic environments.

- Added protection and durability
- Improved contrast, clarity and legibility
- Reduced glare and parallax error

# Cabling Made Simple



Cabling is easy with daisy-chained power and content. Each Planar Mosaic DisplayPort daisy-chain can accept up to 4K resolution (3840x2160). A tile group can also be programmed with a custom EDID if its shape represents a non-standard aspect ratio. This allows flexibility to optimize the video wall for the overall size of the video wall, the distance from which it is viewed and the resolution of the source content.

To address a variety of content and resolution requirements, a Planar Mosaic video wall can be cabled using three different approaches:

- 1 - One content source for all Planar Mosaic tiles (single daisy-chain)
- 2 - One content source for each Planar Mosaic tile (no daisy-chain)
- 3 - One content source for each group of Planar Mosaic tiles (multiple daisy-chains)



# Video Wall Design Made Easy

Planar provides a range of design tools to assist in each phase of your Planar Mosaic video wall project. Find out more about these design tools online at [www.planar.com/mosaic](http://www.planar.com/mosaic).

## Planar Mosaic Project Designer Software

Unleash your creative expression and design your own original video tile layout. Available as a mobile-friendly edition and as an installable Windows® edition.



## Designed for Flexibility

Planar Mosaic video walls offer unique design elements that simplify installation, service and content planning.

## Easy Installation

In addition to supporting any tile rotation or pitch, the Mosaic Mount features push-in/push-out snap catches and auto-alignment posts, eliminating the need for fine-tuning.

Mosaic Mount for Planar Salvador AD22-tile



## Easy to Service



Planar Mosaic video wall tiles can be placed into Service Mode allowing for easy front-servicing of the tiles. Off-board power supplies are rack-mounted in a remote location, which removes heat and points of failure from the video wall tiles.

Planar-Pablo tile in Service Mode

## Planar Mosaic Design Library

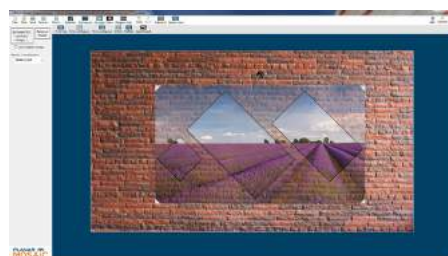
Get inspired - browse creative Planar Mosaic designs by price, physical wall size or by number of video tiles.



## Easy Content Planning

Many types of sources can be used to deliver content to a Planar Mosaic video wall including a media player, PC or MAC, video wall processor or digital signage system. Content can include stock images or video, or be purpose-built for a specific Planar Mosaic array. A transparent PNG mask file can be exported from the Planar Mosaic Project Designer software, allowing content developers to create content that plays off the unique shape of a Planar Mosaic video wall.

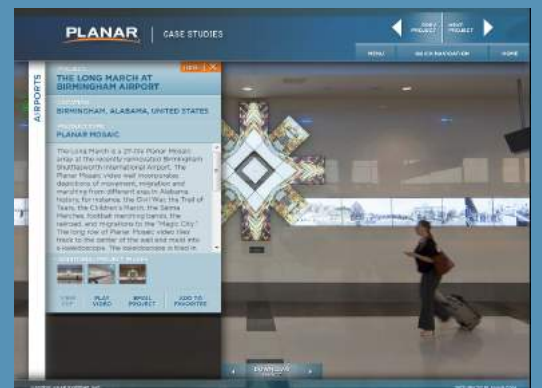
Many video wall users want a single video scaled across the entire Planar Mosaic array, and occasionally have individual sources appear on individual Planar Mosaic tiles. This can be achieved multiple ways. For details and recommendations, download the *Planar Mosaic Content Guide* on [www.planar.com/mosaic](http://www.planar.com/mosaic).

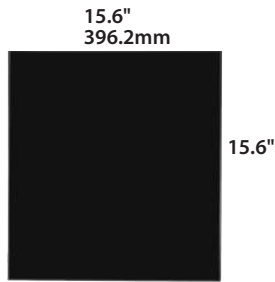


Planar Mosaic Project Designer software (Windows® edition)

## Planar Case Study Gallery

View some of the most innovative applications of Planar Mosaic from around the globe.



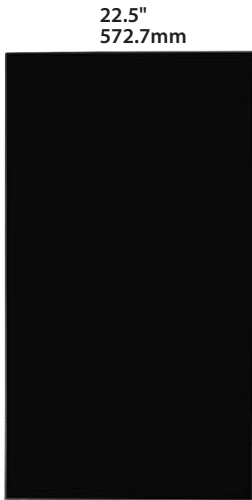


15.6"  
396.2mm

15.6"

**SALVADOR AD22**

3.6"  
93mm

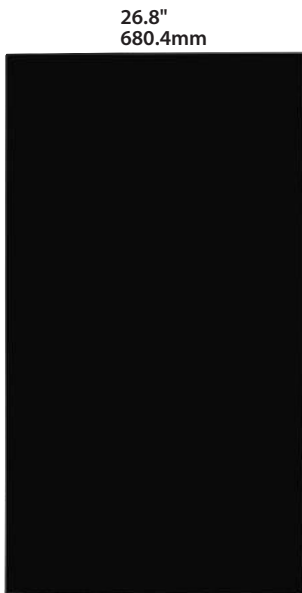


22.5"  
572.7mm

40.1"  
1018.1mm

**PABLO AD46**

3.6"  
93mm



26.8"  
680.4mm

47.6"  
1209.6mm

**VINCENT AD55**

3.6"  
93mm



## PLANAR MOSAIC SPECIFICATIONS

Model	Salvador AD22	Pablo AD46	Vincent AD55
Diagonal Size	549mm (21.6")	1168mm (46")	1397mm (55")
Display Technology	DID Commercial Grade direct view LCD with Direct LED Backlight	DID Commercial Grade direct view LCD with Direct LED Backlight	DID Commercial Grade direct view LCD with Direct LED Backlight
Screen Active Area Size	387.4mm x 387.4mm	1018.1mm x 572.7mm	1209.6mm x 680.4mm
Bezel width (image-to-image)	5.9mm (.23") nominal	5.7mm (.22") nominal	5.7mm (.22") nominal
Effective Mullion	7.8mm (.31")	7.6mm (.30")	7.6mm (.30")
Mounted Depth	93mm (3.6")	93mm (3.6")	93mm (3.6")
Orientation	Any	Any	Any
Aspect Ratio	1:1	16:9	16:9
Brightness (typical, display center)	450 nits	700 nits	700 nits
Brightness Uniformity	25% (5 point)	25% (9 point)	25% (9 point)
Backlight Type	Direct LED	Direct LED	Direct LED
Backlight Life	50,000 hours (half brightness)	50,000 hours (half brightness)	50,000 hours (half brightness)
Contrast Ratio (typical)	4000:1	3500:1	3500:1
Response Time (typical)	8ms	8ms	8ms
Internal Frame Rate	60 hz at 960x960	60 hz at 1920x1080	60 hz at 1920x1080
Viewing Angle (typical)	178°	178°	178°
Native Resolution	960x960	1920x1080	1920x1080
Maximum Input Resolution	3840 x 2160 @ 30 Hz or 1920 x 1080 @ 60 Hz	3840 x 2160 @ 30 Hz or 1920 x 1080 @ 60 Hz	3840 x 2160 @ 30 Hz or 1920 x 1080 @ 60 Hz
Display Colors	16.7M	16.7M	16.7M
Color Gamut	72% NTSC	72% NTSC	72% NTSC
Surface Treatment	Anti-glare	Anti-glare	Anti-glare
Line Voltage	DC in 48V	DC in 48V	DC in 48V
Power Supply Module Line Voltage	100-240Volts AC, 50/60Hz	100-240Volts AC, 50/60Hz	100-240Volts AC, 50/60Hz
Line Current (max)	1.6 amp @ 48V	3.3 amp @48V	4.62 amp @48V
Power Supply Module Line Current	25 amp	25 amp	25 amp
Power Consumption, Typical	76.6W per tile at 15 tiles per Power Supply module	158.5W per tile at 7 tiles per Power Supply module	221.3W per tile at 5 tiles per Power Supply module
Input Connections	DisplayPort, USB, Power, IR	DisplayPort, USB, Power, IR	DisplayPort, USB, Power, IR
Output Connections	DisplayPort, Power	DisplayPort, Power	DisplayPort, Power
Operating Temperature	10°C to 40°C	10°C to 40°C	10°C to 40°C
Storage Temperature	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
Operating Humidity Range	20-80% RH non-condensing	20-80% RH non-condensing	20-80% RH non-condensing
Dimensions, excluding mount	395mm x 395mm x 76mm	1026mm x 580mm x 84mm	1217mm x 688mm x 82mm
Weight, including mount	16.3 lbs	56.6 lbs	83.2 lbs
Recommended Usage	20 hours/day at 7 days/week	20 hours/day at 7 days/week	20 hours/day at 7 days/week
Options	Edge trim, overlap brackets, cables, DisplayPort extenders, installation service, Extended Ruggedness & Optics (ERO)	Edge trim, overlap brackets, cables, DisplayPort extenders, installation service, Extended Ruggedness & Optics (ERO)	Edge trim, overlap brackets, cables, DisplayPort extenders, installation service, Extended Ruggedness & Optics (ERO)
Warranty	3 years standard. Extendable to 5 years	3 years standard. Extendable to 5 years	3 years standard. Extendable to 5 years
Other Features	Includes Mosaic Ensemble package: Mosaic Mount, Mosaic Power Supply Module, Mosaic Project Designer™ software	Includes Mosaic Ensemble package: Mosaic Mount, Mosaic Power Supply Module, Mosaic Project Designer™ software	Includes Mosaic Ensemble package: Mosaic Mount, Mosaic Power Supply Module, Mosaic Project Designer™ software