

# Standard Frame

The Standard Frame is Prysm's lowest cost framing system for LPD videowalls. It is a modular system that provides a scalable and flexible framework to support LPD tile arrays with the precision necessary to maintain the virtually seamless display surface of a Prysm videowall. The modular structure offers designers the flexibility to assemble Prysm tiles into displays of any desired width and heights of up to eight tiles (3.0 m, 10 ft). It also includes hidden rack-mounting options for Prysm Image Processors and additional electronics.

For more information, contact us at [sales@prysm.com](mailto:sales@prysm.com), 1.877.99.PRYSM or +1.408.586.1100.



## Applications

The Prysm Standard Frame is typically selected to support LPD tile arrays in corporate, collaboration, command and control, broadcast, entertainment and hospitality, and retail environments. Display applications include digital signage, advertising, public information, and events, as well as branding and interactive experience delivery.

## Features

- ▶ Prysm's lowest cost framing system
- ▶ Maintains precise alignment of LPD tile arrays
- ▶ Modular and scalable
- ▶ Column-based approach supports both straight and curved videowalls
- ▶ Minimal required clearances
- ▶ Exterior panels may be attached to the videowall to adapt its appearance to customer requirements
- ▶ Add-on brackets facilitate bracing to adjacent structures for stability
- ▶ Removable hoist facilitates safe and efficient tile installation and replacement
- ▶ Industry-standard rack mounting options for Prysm Image Processors and additional electronics
- ▶ Integral cable channels and ducts provide for orderly cable management

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Laser Phosphor Display

**Specifications**

Deployment Configurations	Floor mounted (free standing or anchored)
	Wall mounted
Depth <sup>1</sup>	57.7 cm (22.7 in)
	64.0 cm (25.2 in) with frame-mounted Prysm Image Processor
Height (maximum)	8 Tiles
	Additional support is required for displays over 6 Tiles tall. Tower displays (vertical Tile count > horizontal Tile count) may require additional support at lower heights.
Width (maximum)	Unlimited
Leveling Adjustment	38 mm (1.5 in) provided by adjustable feet on each base
Tile Seam Gap	< 0.5 mm (0.02 in)
Base Setback (from Display Panel)	38 mm (1.5 in)
Required Clearance – Passive Ventilation <sup>2</sup>	
Front	None
Rear and Sides	100 mm (3.9 in)
Top	300 mm (11.8 in)
Required Clearance – Tile Service <sup>3</sup>	
Front	559 mm (22.0 in)
Rear and Sides	None <sup>4</sup>
Top	216 mm (8.5 in) <sup>5</sup>
Grounding Stud	One per Tile
Tile Replacement	< 20 min (per Tile × number of Tiles controlling access)
Cooling	On-Tile Fans
Frame Finish	Powder Coated
Frame Color	Flat Black

RoHS Compliance	Yes
Horizontal Curvature	0 to 10 degrees (in 1-degree increments)
	Custom configurations available
Vertical Curvature	None
Tilt Angle	+/- 15 degrees (custom hardware required)
Cable Management	Integrated cable channels and ducts
Electronics Mounting	19" standard rack-mount hardware (1U) may be mounted in Equipment Base and on Prysm Image Processor Rack. Reduced-Height Base provides no equipment space.

<sup>1</sup> Depth is measured from display surface to rearmost frame component.

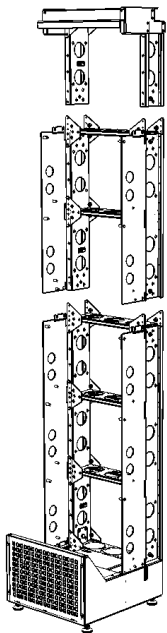
<sup>2</sup> ≤ 30 Tile videowall, ambient conditions: ≤ 30 degrees C, 20% – 80% RH, unobstructed airflow. Installations without minimum ventilation clearances require thermal analysis and might need forced air cooling.

<sup>3</sup> Videowall may be mounted on rail sliders to allow access where fixed clearance is not possible.

<sup>4</sup> 610 mm (24 in) rear clearance preferred. Installation with less or no rear clearance requires special procedures.

<sup>5</sup> Includes height of hoist plus clearance for mounting and dismantling.

Accessory	Description
Hoist	Attaches to the frame to facilitate installation and service of Tiles. (1 required per wall)
Tile Lifting Bar	Attaches to the Tile to facilitate transport and handling. (1 required per wall)
Prysm Image Processor Rack	Rack-mount bracket (19", 1U) allowing attachment of Prysm Image Processor to back of the frame. Adds 6.4 cm (2.5 in) to depth. (optional)
Stabilizing Bracket	Box insert that stiffens frame and provides sway brace attach points (required for displays over 6 Tiles tall)
Rail Slider	Floor-mounted structure that shifts the videowall sideways or fore/aft to allow service. (optional)
Cosmetic Skins and Enclosure	Exterior panels may be added to the videowall to adapt its appearance to customer requirements. (optional)

**Components**

Standard Frames are built from three modular components: Base Units, Frame Units, and Hoist Platforms. These components are joined to build columns which are assembled into walls to support LPD Tile arrays.

Component		Height <sup>1</sup> cm (in)	Width cm (in)	Depth cm (in)	Weight kg (lbs)
Hoist Platform		44.3 (17.4)	50.9 (20.0)	30.9 (12.2)	6.6 (14.5)
Hoist		15.4 (6.1)	26.5 (10.4)	100.4 (39.5) <sup>2</sup>	7.3 (16.0)
Frame Unit	1-High	38.2 (15.0)	50.6 (19.9)	29.8 (11.7)	7.4 (16.3)
	2-High	76.4 (30.1)	50.6 (19.9)	29.8 (11.7)	13.6 (30.0)
	3-High	114.7 (45.2)	50.6 (19.9)	29.8 (11.7)	20.0 (44.1)
Base Unit – Equipment	1-High	63.6 (25.0) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	35.5 (78.3)
	2-High	101.8 (40.1) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	41.7 (92.0)
	3-High	140.0 (55.1) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	48.1 (106.1)
Base Unit – Reduced Height	1-High	54.0 (21.3) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	26.5 (58.4)
	2-High	92.2 (36.3) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	32.7 (72.1)
	3-High	130.5 (51.4) <sup>3</sup>	50.6 (19.9)	53.8 (21.2)	39.1 (86.2)
Stabilizing Bracket	Nests within frame			4.8 (1.9) <sup>2</sup>	5.3 (11.8)

<sup>1</sup> Height is component's contribution to overall frame height. Actual component height may be greater.

<sup>2</sup> Depth is maximum protrusion of component from frame. Actual component depth may be greater.

<sup>3</sup> Measured with leveling feet at mid travel.

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