PRYSM®

Prysm LPD 6K Visual Workplace Solution

Transform your working environment with the Prysm LPD 6K Visual Workplace Solution powered by the Prysm Application Suite and Prysm's patented laser phosphor display (LPD) technology.

The Prysm LPD 6K is an interactive large-format display that offers a panoramic image uninterrupted by seams or bezels. The single-panel display combines vivid colors presented in 6K with a rich, deep contrast to deliver stunning picture quality. The LPD 6K is the world's most energy-efficient interactive touch display, using less energy than a home coffee maker.

The Prysm LPD 6K comes with the Prysm Application Suite, a digital workplace platform that brings people, content, and ideas together to create a smart and efficient collaboration environment. The platform displays streaming video, web applications, documents, presentations, and images and input from laptops and mobile devices with a simple tap. You can size, position, and annotate any content on screen by use of the intuitive touch interface.

The LPD 6K evolves Prysm's LPD technology with longer-term reliability and integrated display health sensors. The display panel is durable enough to handle repeated touch interaction and can be viewed at a distance, up close, or at any angle without the eye fatigue typical of other display technologies. Should it ever be required, the LPD 6K is serviceable through the front panel, ensuring maximum uptime.

For more information, contact us at sales@prysm.com, 1.877.99.PRYSM or +1.408.586.1100.

Specifications

Target Applications

Room Types	Conference rooms Board rooms Briefing centers Training rooms Demo centers
Room Size	Large rooms, 10+ people
Ambient Light	Suitable for normal ambient lighting conditions (avoid direct sunlight)

Display Characteristics

Image resolution (W × H)	5616 × 1872 (Enhanced) 3744 × 1872 (Standard)
Total pixel count	10.5 million (Enhanced)
Display aspect ratio	3:1 (Enhanced Mode)
Image area, total	10,370 sq in 6.7 sq m
Display image dimensions (W × H × Diagonal)	177 in × 59 in × 186 in 4493 mm × 1490 mm × 4734 mm
Ideal Viewing Distance	2.5 – 60 ft 0.8 – 18.3 m
Viewing angle	178° (horizontal or vertical)
Pixel pitch	1.19 mm (horizontal) × 0.80 mm (vertical)
Phosphor fill factor	85%
Gamma	Adjustable from 1.8 – 2.6
Color processing	10 bits per RGB color (1.07 billion colors)
Color shift	No color shift at any angle
Color and luminance uniformity	Automatic uniformity maintenance over time
Color gamut	94% total area / 91% overlap of ITU Rec. BT709 (HDTV) Color Gamut in 1976 CIEu'v' Color Space
White point adjustment	2,400 – 10,000 Kelvin (adjustable)
Luminance	250 nits (candelas per square meter, uniformity corrected)
Scan field rate	360 Hz
Sequential contrast	50,000:1 (Typical)
Touch latency	7-16 ms
Touch accuracy	6 mm
Viewable area	100%
Image seams / bezels	None
Display lifetime	>60,000 hrs (to 50% initial brightness)
Touch type	High-resolution IR
Touch points	32 simultaneous touch points
Touch pressure	Zero force

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Physical Characteristics [1]

Overall dimensions (W × H × Depth)	190.3 in × 97.7 in × 31.3 in 4833 mm × 2480 mm × 795 mm
Weight	4,033 lbs 1,829 kg
Floor-loading weight	57.6 lbs per sq ft 281.2 kg/m²
Acoustic noise level	40 dBA (as measured in a 37 dBA environment)

Clearances

Minimum ceiling height	101.6 in, 2581 mm
Required clearances - Passive ventilation	Rear: 1.6 in, 40 mm Top: 4 in, 101 mm
Required clearances - Service	Front: 71.6 in, 1818 mm

Application Appliance (X40)

Video Output	NVIDIA® Quadro® M4000 4x DisplayPort 1.2
Processor	Intel® Xeon E5
Storage (RAID1)	2x (dual) 256 GB SSD
Dimensions (W × H × D)	17.5 in × 8.0 in × 20.7 in 446 mm × 203 mm × 526 mm

Environmental [1]

Power rating / Phase	200 – 240 VAC single-phase
Power consumption	1.5 kW typical 2.6 kW maximum

[1] Weight, power, and heat output specifications do not include speakers, cameras, or other peripheral devices.

[2] Degraded performance for ambient temperatures between 32° and 59°F (0° and 15°C) and between 95° and 104°F (35° and 40°C).

Environmental, continued

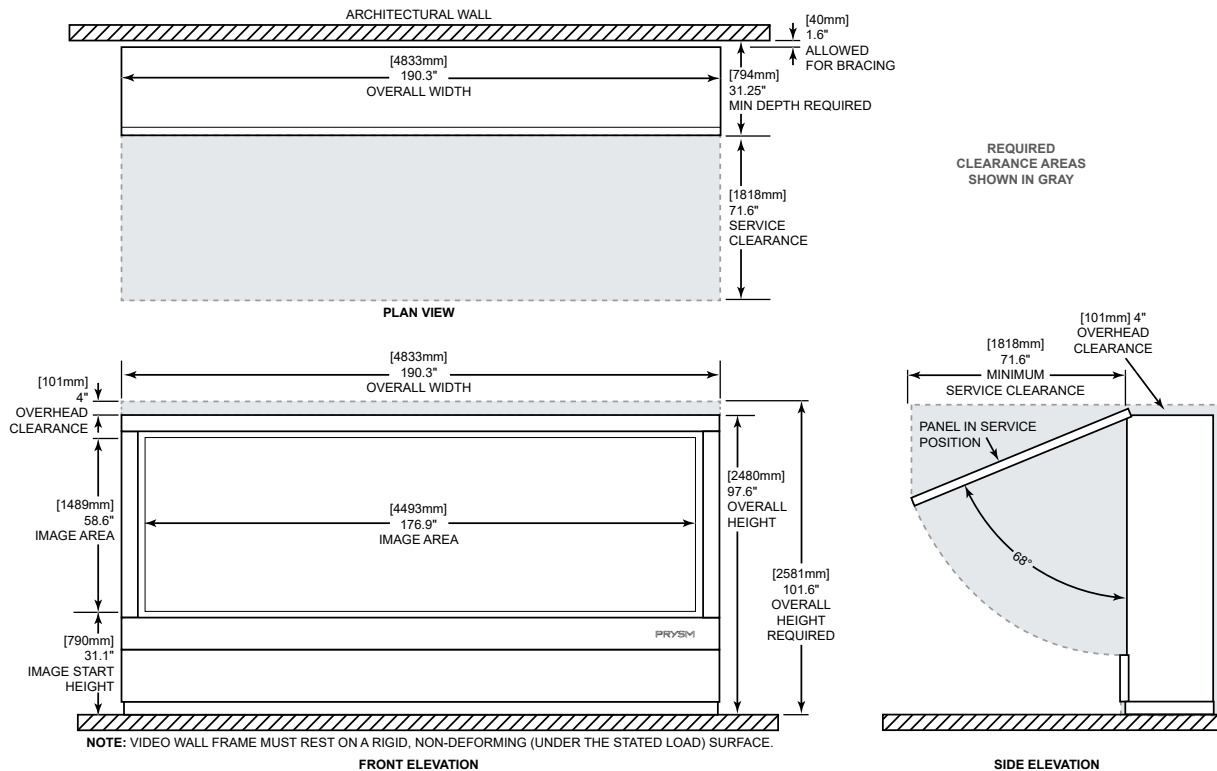|	
Heat output	Typical: 5,118 BTU/hr Maximum: 7,507 BTU/hr
Recommended operating temperature	59° – 95° F 15° – 35° C
Operating temperature for peak performance	59° – 77° F 15° – 25° C
Max operating temperature [2]	32° – 104° F 0° – 40° C
Room humidity	20 – 60% RH, non-condensing
Cooling	Self-contained airflow @ 2633 CFM
Tip prevention	Strong points provided on frame for anchoring to building architecture

Cosmetic Enclosure

Nominal Fabric Finish	Black
Optional Fabric Finishes	Other fabric colors and patterns available
Free-Standing: Built-In (Alcove):	Wide Side Panels Narrow Side Panels

Accessories (Ordered Separately)

QuadLynk	Kit for video input system
Interactive Input Controller	Kit for interactive touch capability

Compliance

Class	Class 1 Laser Product
Standards	RoHS, WEEE
	CE, NRTL (US & Canada), FCC Part 15 (Class A)
	CE EN55032 + EN55024, FCC Part 15B

ARCHITECTURAL WALL

[40mm] 1.6" ALLOWED FOR BRACING

[4833mm] 190.3" OVERALL WIDTH

[794mm] 31.25" MIN DEPTH REQUIRED

[1818mm] 71.6" SERVICE CLEARANCE

REQUIRED CLEARANCE AREAS SHOWN IN GRAY

PLAN VIEW

[4833mm] 190.3" OVERALL WIDTH

[101mm] 4" OVERHEAD CLEARANCE

[1489mm] 58.6" IMAGE AREA

[4493mm] 176.9" IMAGE AREA

[2480mm] 97.6" OVERALL HEIGHT

[2581mm] 101.6" OVERALL HEIGHT REQUIRED

[790mm] 31.1" IMAGE START HEIGHT

NOTE: VIDEO WALL FRAME MUST REST ON A RIGID, NON-DEFORMING (UNDER THE STATED LOAD) SURFACE.

FRONT ELEVATION

[101mm] 4" OVERHEAD CLEARANCE

[1818mm] 71.6" MINIMUM SERVICE CLEARANCE

PANEL IN SERVICE POSITION

68°

SIDE ELEVATION