

# Prysm Systems LPD 6K Series II, 135 (4K)

Transform your working environment with the Prysm Systems LPD 6K Series II, 135 solution, powered by the Prysm Application Suite and Prysm Systems' patented laser phosphor display (LPD) technology.

The Prysm Systems LPD 6K Series II 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 4K resolution (6K in 190 solution) with a rich, deep contrast to deliver stunning picture quality. Our LPD 6K Series II is an extremely energy-efficient interactive touch display, using less energy than a coffee maker. It advances Prysm Systems' LPD technology by offering 24x7 reliable operation and integrated display health monitoring and reporting. The flexible, impact-resistant top surface is specially formulated to offer smooth touch interaction and can be viewed at any distance, up close or far away, and at any angle without the eye fatigue typical of other display technologies. Should it ever be required, all components in the LPD 6K can be serviced from the front, ensuring maximum up-time.

This large-format display comes optionally bundled 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 as well as input from laptops and mobile devices with a simple tap.

For more information, contact us at [sales@prysmsystems.com](mailto:sales@prysmsystems.com), or +1.408.586.1100, [www.prysm.com](http://www.prysm.com)



## Specifications for Prysm Systems LPD 6K Series II, 135 (4K)

### Target Applications

Use Environments	<ul style="list-style-type: none"> <li>▶ Conference Rooms</li> <li>▶ Board Rooms</li> <li>▶ Briefing Centers</li> <li>▶ Training Rooms</li> <li>▶ Demo Centers</li> <li>▶ Multimedia Centers</li> </ul>	<ul style="list-style-type: none"> <li>▶ Customer Exp. Centers</li> <li>▶ Visitor Welcome Centers</li> <li>▶ Hybrid Retail</li> <li>▶ Transit Centers</li> <li>▶ Museums</li> </ul>
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Room Size	Larger rooms, 10+ people
Ambient Light	Suitable for normal ambient lighting conditions (avoid direct sunlight)

### Display Characteristics

Image resolution (W x H)	3744 x 1872
Total pixel count	7 million
Display aspect ratio	2:1
Image area, total	6912 sq in 4.45 sq m
Display image dimensions (W x H x Diagonal)	118 in x 59 in x 132 in 2995 mm x 1490 mm x 3345 mm
Ideal Viewing Distance	2.5 – 60 ft 0.8 – 18.3 m
Viewing angle	178° (horizontal or vertical)
Pixel pitch	1.20 mm (horizontal) x 0.80 mm (vertical)
Phosphor fill factor	90%
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	100% of ITU Rec. BT709 (HDTV) and >80% of DCI/P3 Color Gamut in 1976 CIEu'v' Color Space
White point adjustment	2,400 – 9,300 Kelvin (adjustable)
Luminance	500 cd/m <sup>2</sup> (Maximum) 300 cd/m <sup>2</sup> (Typical)
Scan field rate	360 Hz
Sequential contrast	1,000,000:1 (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

...continued on reverse

**Physical Characteristics <sup>1</sup>**

Overall dimensions (W x H x Depth)	131.4 in x 98.0 in x 30.8 in 3337 mm x 2488 mm x 782 mm
Weight	2,535 lbs 1,150 kg
Floor-loading weight	38.0 lbs per ft <sup>2</sup> 185.5 kg/m <sup>2</sup>
Acoustic noise level	38 dBA ±2 (as measured in a 37 dBA environment)

**Clearances**

Minimum ceiling height	102.0 in, 2,589.6 mm
Required clearances - Passive ventilation	Rear: 1.7 in, 42 mm Top: 4 in, 101.6 mm
Required clearances - Service	Front: 42 in, 1,066.8 mm

**Application Appliance (X30/X40 available upon request)**

Video Inputs	4x HDMI 1.4 (max 4K/30 Hz) inputs. <i>HDCP encryption NOT supported. Additional inputs optional.</i>
Processor	Intel® Xeon E31270 CPU
Storage	240GB SSD
Dimensions (W x H x D)	8.5 in x 2.28 in x 8.5 in 215.9 mm x 58 mm x 215.9 mm

**Environmental <sup>1</sup>**

Powerrating/Phase	200 – 240 VAC single-phase
Power Consumption	202 W/m <sup>2</sup> Typical 314 W/m <sup>2</sup> Maximum
Power Consumption, Absolute	0.9 kW Typical 1.4 kW Maximum

**Environmental, continued**

Heat output	Typical: 3,071 BTU/hr Maximum: 4,726 BTU/hr
Max operating temperature <sup>2</sup>	32° – 104°F 0° – 40° C
Recommended operating temperature	59° – 95° F 15° – 35° C
Room humidity	40 – 60% RH, non-condensing
Cooling	Self-contained airflow @ 1200CFM
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:	Wide side panels
Built-In (Alcove):	Narrow side panels

**Accessories (ordered separately)**

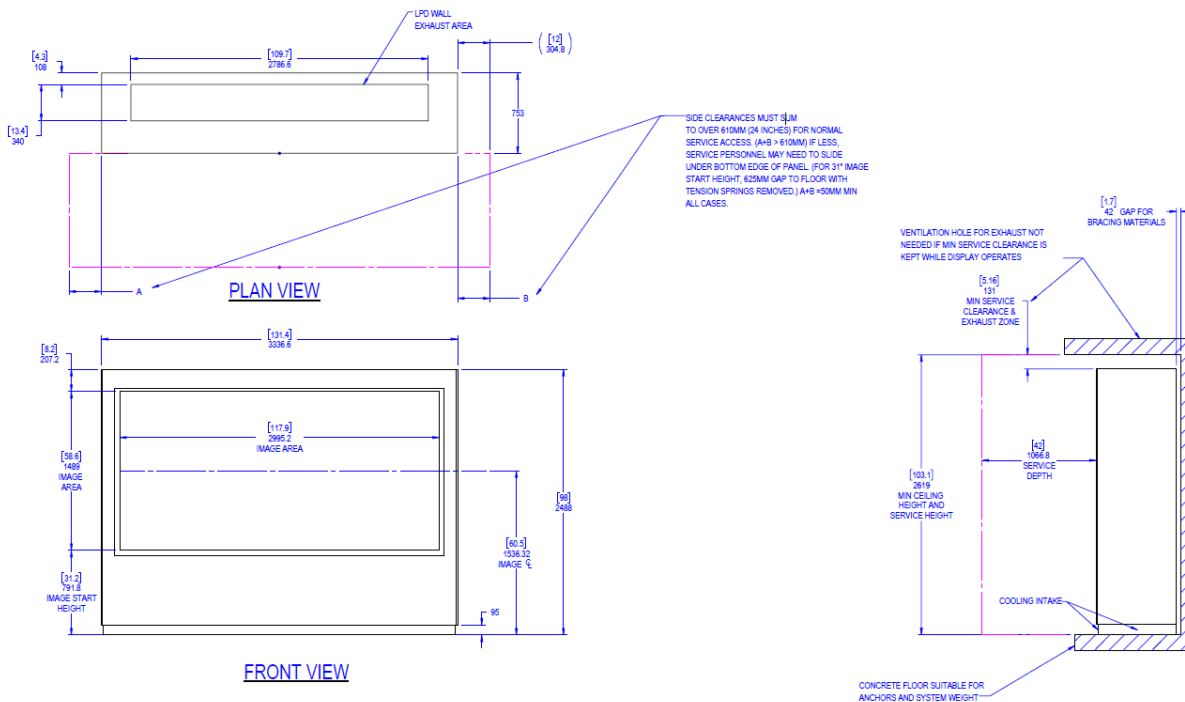
QuadLynk	Kit for video input system
Interactive Input Controller	Kit for interactive touch capability

**Compliance**

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

<sup>1</sup> Weight, power, and heat output specifications do not include speakers, cameras, or other peripheral devices.

<sup>2</sup> Degraded performance for ambient temperatures between 32° and 59°F (0° and 15°C) and between 95° and 104°F (35° and 40°C).



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