



# Planar Luminate Pro Series

Indoor & Outdoor  
LED Video Wall Displays

- ▶ *1.9, 2.5, 3.9mm pixel pitches (Indoor)*
- ▶ *2.9, 3.9, 5.9, 7.8, 10.4mm pixel pitches (Outdoor)*
- ▶ *Single-person handling*
- ▶ *Hang, stack or wall mount*



Planar® Luminate™ Pro Series indoor and outdoor high-brightness LED video wall displays are designed to meet the needs of temporary event applications, large venues and fixed installation. They offer easy front or rear-service access to electronics for deployment versatility, and magnetically-attachable cabinets with a quick-lock system for single-person handling.

## Bright in the Light

Planar Luminate Pro Series LED video wall displays are ideal for high ambient light applications, with indoor models offering very-high 3,000-nit brightness to suit transportation, retail and other environments with large windows or sky lights.

Outdoor models offer up to 5,500 nits, ideal for sports, daytime concerts and digital signage, even in direct sunlight.



# Product Highlights



## Solo Set-up & Front or Rear Service

Magnetic points can briefly hold a cabinet in place while a lone installer secures it using handles, locking pins and the embedded quick-lock system. The electronics compartment on the back is compact and easily accessible from both sides. Installation and service from the front or rear facilitates wall mounted, hanging or free-standing applications.

## Weatherproof

Outdoor models feature a protective treatment and a dust-tight enclosure guards the LED display against harsh conditions, including extreme temperatures, moisture and even jets of water. The outdoor displays earned an IP65 Ingress Protection Rating.

# Specifications

Model	LPI-1.9	LPI-2.5	LPI-3.9	LPO-2.9	LPO-3.9	LPO-5.9	LPO-7.8	LPO-10.4		
<b>Pixel Pitch (mm)</b>	1.9	2.5	3.9	2.9	3.9	5.9	7.8	10.4		
<b>Cabinet Size (W x H x D)</b>	19.69"x19.69"x2.7" 500x500x74mm	19.69"x19.69"x3.03" 500x500x77mm		19.69"x19.69"x2.95" 500x500x75 mm	19.69"x19.69"x2.99" 500x500x76mm		19.69"x19.69"x3.03" 500 x 500 x 77mm			
<b>Cabinet Diagonal</b>	27.83" (707.10mm)									
<b>Cabinet Area (m<sup>2</sup>)</b>	0.25									
<b>Cabinet Resolution</b>	256x256	200x200	128x128	168x168	128x128	84x84	64x64	48x48		
<b>LEDs per Cabinet</b>	65,536	40,000	16,384	28,224	16,384	7,056	4,096	2,304		
<b>Modules/Cabinet (W x H)</b>	2x2									
<b>Module Size (W x H)</b>	250x250mm									
<b>Power Consumption, Maximum (watts)</b>	160							180		
<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>Brightness Max, Calibration On (cd/sq)</b>	3,000		4,500		5,000		5,500			
<b>Supported Frame Rate</b>	50Hz/60Hz									
<b>Color Temperature (K)</b>	3,000-10,000 adjustable									
<b>Contrast</b>	5,000:1								3,000:1	
<b>Viewing Angle (50% of brightness)</b>	>160° horizontal; >140° vertical				>150° horizontal; >130° vertical					
<b>Mounting Orientation</b>	Wall mount, faceted, hanging, stacking									
<b>Installation/Service</b>	Front or Rear									
<b>Refresh Rate</b>	3,840Hz								1,920/3,000Hz	
<b>LED Lifetime (50% brightness)</b>	100,000hrs									
<b>Operating Temp/Humidity (degrees F/C)</b>	-20° to 40° C   -4° to 104° F (10-80% RH, non-condensing)				-40° to 50° C   -40° to 122° F (10-80% RH, non-condensing)					
<b>Storage Temp/Humidity (degrees F/C)</b>	-40° to 60° C   -40° to 140° F (10-85% RH, non-condensing)				-40° to 60° C   -40° to 140° F (10-85% RH, non-condensing)					
<b>IP Rating</b>	IP30								IP65 Front/Back	

For more information, click to visit: <https://www.planar.com/luminate-pro>

Planar is a trademark of Planar Systems, Inc. All other trademarks and service marks are property of their holders. Copyright © 2022 Planar Systems, Inc. All rights reserved. This document may not be copied in any form without permission from Planar. Information in this document is subject to change without notice. 3/2022