Planar CarbonLight VX Series
Indoor LED Video Wall & Floor

Planar® CarbonLight™ VX Series is comprised of carbon fiber-framed indoor LED video wall and floor displays with exceptional on-camera visual properties and deployment versatility for a wide variety of installations, including virtual production and extended reality.

Planar® CarbonLight™ CLI VX Series video walls feature narrow 1.9mm or 2.6mm pixel pitch and Planar® CarbonLight™ CLF Series features 2.6mm pixel pitch, one of the finest in the industry for an LED floor.

- Lightweight, patented carbon fiber construction
- 1.9 & 2.6mm pixel pitch LED video wall
- 2.6mm pixel pitch LED floor
- High Dynamic Range content ready
- Wide color gamut with available DCI-P3
- Compatible with video controllers from Brompton & Colorlight
- Hanging, wall mounted or free-standing installations (video wall)

Lights, Camera, Action!

Planar CarbonLight VX Series' visual and mechanical properties are conducive to cinema and broadcasting as on-camera background scenes. The displays beautifully supplement green screens and integrate with XR stages.

Its wide color spectrum, narrow pixel pitches, fast frame and refresh rates deliver excellent in-person and in-frame visual performance. Average in-person viewers can feel comfortable viewing the video wall from as close as 10 ft. without seeing individual pixels, while those seeing it in media will feel enveloped in the scene as if they were on location.

Venue Versatility

Planar CarbonLight VX Series features thin, square (500x500mm), carbon fiber frames. Its light weight and Planar CarbonLight bracketry enable quick assembly and teardown for fast-paced applications. Individual cabinets can be removed and installed anywhere within the video wall or floor, without disrupting the overall layout. Front-side (top-side) installation and service make module extraction simple if maintenance is required.

The video wall displays have beveled edges to support 90° corners and can facet for curved walls, while the floor displays sit on ground rails, has layered wear-proof masking and can support up to 1,102lbs per display

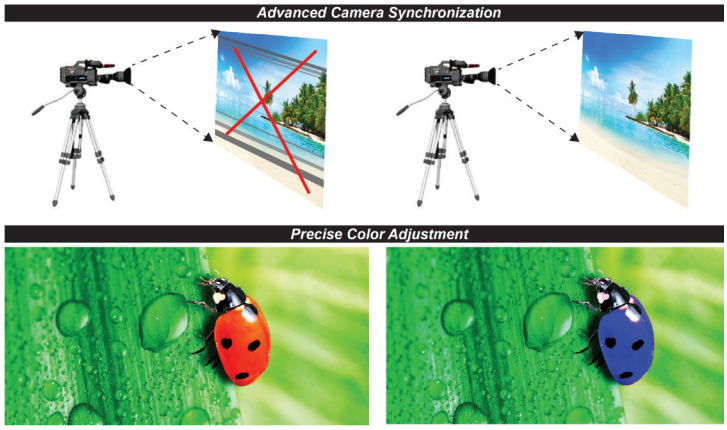
These attributes are particularly valuable for production studios that may need set change flexibility.

Camera & Color Compatibilty

Cameras and other technology used in filmaking, television production and broadcasting use various input timings. Planar CarbonLight CL VX Series has advanced Genlock capabilities to ensure it can synchronize with a variety of cameras. It is compatible with each of the typical frame rates between 24Hz and 144Hz, and frame multiplication, virtually eliminating common video recording challenges.

Similarly, the video wall displays facilitate precise color adjustment to fine tune colors, correct dark scenes and enhance imagery detail.

Planar CarbonLight CL VX Series displays offer wide color spectrum for on-camera video applications requiring wider color gamut, including Rec. 709 and DCI-P3. The displays are ready for High Dynamic Range content with support for both HDR10 and the less common HLG formats.



Processing Prowess

Planar CarbonLight CLI VX Series has the essential features broadcast and film production companies require for today's on-camera display needs. It is compatible with multiple video controller processing options from Brompton Technology® and Colorlight. Benefits and functions include:

- Exceptionally Accurate Color
- HDR Ready
- Smooth Motion with Low Latency
- Frame Remapping
- Grayscale Trimming

PLANAR CARBONLIGHT CLI VX SERIES SPECIFICATIONS

Model Name	CLI VX 1.9	CLI VX1.9 B	CLI VX2.6	CLI VX2.6 B
Pixel Pitch *(mm)*	1.95		2.6	
Cabinet Resolution	256 x 256		192 x 192	
Cabinet Size *(WxHxD)*	500 x 500 x 63mm | 19.69 x 19.69 x 2.48in			
Power Consumption, Maximum *(watts)*	225/Cabinet | 900/m²			
Power Consumption, Typical *(watts)*	150/Cabinet | 300/m²			
Line Voltage	100-240V AC, 50/60 Hz			
Cabinet Weight *(per display)*	4.1kg | 9.04lbs			
Brightness	500		1500	
LED Refresh Rate	3840Hz			
Frame Rate *(processor dependent)*	24 - 144Hz			
Color Temperature, Adjustable	3,000 - 9,000			
Viewing Angle, Horizontal	140°			
Viewing Angle, Vertical	140°			
Installation, Service Access	Front (modules), Rear			
Grey Scale Processing	16bit			
Power Supply	Single			
Operating Temperature/Humidity *(degrees F/C, relative humidity)*	-20° to 40° C | -4° to 104° F 10-80%			
Storage Temperature/Humidity *(degrees F/C, relative humidity)*	-35° to 60° C | -31° to 140° F 10-80%			
LED Lifetime: Typical	100,000			

PLANAR CARBONLIGHT CLF VX SERIES SPECIFICATIONS

Model Name	CLF VX2.6	CLF VX2.6 B
Pixel Pitch *(mm)*	2.6	
Cabinet Resolution	192 x 192	
Cabinet Size *(WxHxD)*	500 x 500 x 80mm | 19.69 x 19.69 x 3.15in	
Power Consumption, Maximum *(watts)*	150/Cabinet | 600/m^2	
Power Consumption, Typical *(watts)*	50/Cabinet | 200/m^2	
Line Voltage	100-240V AC, 50/60Hz	
Cabinet Weight *(per display)*	8kg | 17.6lbs	
Brightness	500	
LED Refresh Rate	3840Hz	
Frame Rate *(processor dependent)*	24 -144Hz	
Color Temperature, Adjustable *(k)*	3,000 - 9,000	
Viewing Angle, Horizontal	140°	
Viewing Angle, Vertical	140°	
Installation/Service Access	Front	
Grey Scale Processing	16bit	
Weight Bearing Capacity *(per panel)*	500kg | 1,102lbs	
Power Supply	Dual	
Operating Temperature/Humidity *(degrees F/C, relative humidity)*	-20° to 40° C | -4° to 104° F 10-80%	
Storage Temperature/Humidity *(degrees F/C, relative humidity)*	-35° to 60° C | -31° to 140° F 10-80%	
LED Lifetime: Typical *(hours)*	100,000	

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