



Leyard Europe CarbonLight VX Series

LED Video Wall & Floor

- ▶ *1.9 & 2.6mm pixel pitches*
- ▶ *HDR ready*
- ▶ *Compatible with Brompton & Colorlight*
- ▶ *Hang, wall mount or free stand*

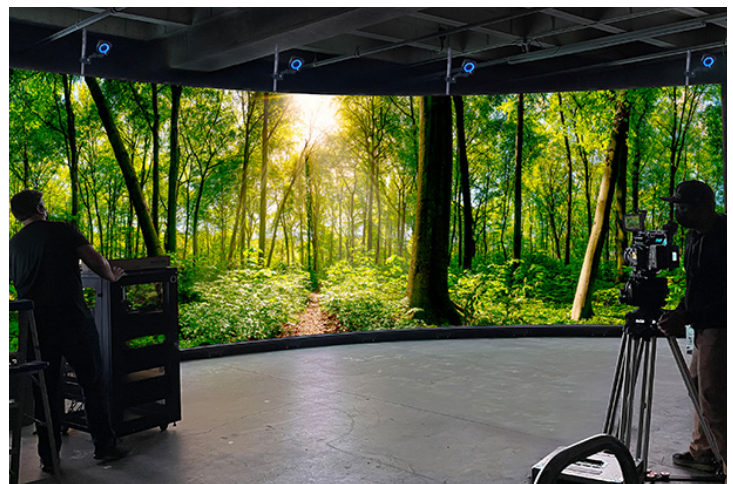


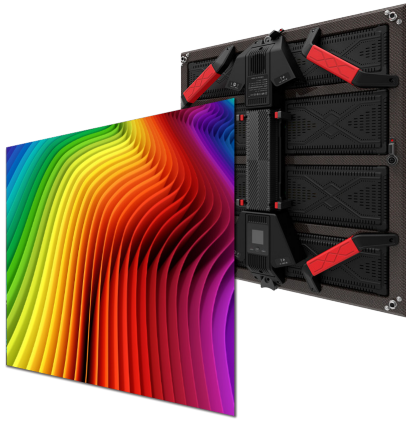
Leyard Europe VX Series is comprised of carbon fibre-framed indoor LED video wall and flooring displays with exceptional on-camera and in-camera visual properties and deployment versatility for a variety of installations, including virtual production and extended reality. Its wide colour spectrum, narrow pixel pitches and fast frame and refresh rates deliver excellent in-frame and in-person visual performance.

Lights, Camera, Action!

Leyard Europe CarbonLight VX Series' visual and mechanical properties are conducive to cinema and broadcasting as in-camera background scenes. The displays beautifully supplement green screens and integrate with VP/XR volumes.

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.





Wide Colour Gamut

The displays facilitate precise colour adjustment to fine tune colours, correct dark scenes and enhance imagery with a larger percentage of the visible colour spectrum. They support on-camera video applications requiring wider colour gamut, including Rec. 709 and DCI-P3.



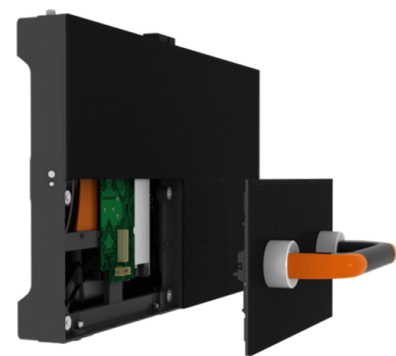
HDR Ready

Displays are ready for High Dynamic Range content with support for both HDR10 and the less common HLG formats. They maximize the image quality of each pixel for brighter whites, darker blacks and more true-to-life colours.



Camera Ready

Leyard Europe CarbonLight VX Series has advanced Genlock capabilities to ensure it can synchronize with a variety of cameras. Models are compatible with typical frame rates between 23.5Hz and 152Hz, and frame multiplication, virtually eliminating common video recording challenges.



Easy Access

Individual LED cabinets can be removed and installed anywhere within the video wall or floor without disrupting the overall layout, while front-side, or top-side, service makes module extraction simple for maintenance.

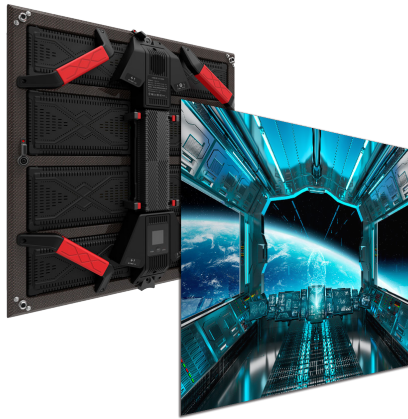
Processing Prowess

Leyard 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 Colour
- HDR Ready
- Smooth Motion with Low Latency
- Frame Remapping
- Greyscale Trimming





Leyard Europe CarbonLight CLI VX Series *Indoor LED Video Walls*

Leyard Europe CarbonLight™ CLI VX Series features narrow 1.9 or 2.6mm pixel pitch, shortening the distance a camera needs to avoid moiré effect and other artefacts. The thin, carbon fibre-framed 500x500mm displays can be hung, wall mounted or free stand. They have bevelled edges to support 90° corners and can facet for curved walls.

Leyard Europe CarbonLight bracketry enables quick assembly and teardown for fast-paced applications.



Leyard Europe CarbonLight CLF VX Series *Indoor LED Flooring*

Leyard Europe CarbonLight™ CLF VX Series features 2.6mm pixel pitch, one of the finest in the industry for an LED floor. The square (500x500mm), thin, flooring panels feature carbon fiber frames, making them lightweight. They sit on ground rails, and have layered wear-proof masking that can support up to 500 kg per display, facilitating heavy loads. This is particularly valuable for production studios that may need set change flexibility and heavy props.

Leyard Europe Studios

Leyard Europe CarbonLight VX Series LED video walls and floor are the cornerstones of the Leyard Europe Studios initiative, an effort to accelerate Virtual Production and Extended Reality (VP+XR) capabilities and make them more accessible, streamlined and repeatable. Leyard Europe Studios empowers visual storytellers to bring their creative visions to life with key technology partnerships, dedicated expert teams, and advanced on-camera display solutions.

Leyard Europe Studios is aligned with top creative and technical experts in VP+XR specialising in areas that include motion tracking, digital production and imaginative visual storytelling. These collaborative partnerships integrate the products, organizations and people that creative producers need to create realistic, on-screen content in today's VP+XR settings.

Applications:

- *Virtual Production*
- *XR Stages & Studios*
- *Live Events*
- *Broadcasting*
- *Corporate*
- *Education & Training*



Specifications CarbonLight VX LED Video Wall

CarbonLight CLI VX	CLI VX1.9	CLI VX1.9 B	CLI VX2.6	CLI VX2.6 B
Pixel Pitch	1.95mm		2.6mm	
Cabinet Resolution	256 x 256		192 x 192	
Cabinet Size (W x H x D)	500 x 500 x 63mm 19.69 x 19.69 x 2.48in			
Power Consumption, Max (watts)	225/Cabinet 900/m²			
Power Consumption, Typical (watts)	150/Cabinet 300/m²			
Line Voltage	100-240V AC, 50/60Hz			
Cabinet Weight (per display)	4.1kg 9.04lbs			
Brightness (cd/m²)	1,500			
LED Refresh Rate	3840Hz			
Scan Ratio	1:8		1:16	
Frame Rate (processor dependent)	23.5 - 152Hz		24 - 144Hz	
Colour Temperature, Adjustable (k)	3,000-10,000 adjustable			
Viewing Angles	140° Horizontal, 140° Vertical			
Installation and Service Access	Front (modules), Rear			
Gray 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 hours			

Specifications CarbonLight VX LED Flooring

CarbonLight CLF VX	CLF VX2.6	CLF VX2.6 B
Pixel Pitch	2.6mm	
Cabinet Resolution	192 x 192	
Cabinet Size (W x H x D)	500 x 500 x 80mm 19.69 x 19.69 x 3.15in	
Power Consumption, Max (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 (cd/m ²)	500	
LED Refresh Rate	3840Hz	
Frame Rate (processor dependent)	24 - 144Hz	
Colour Temperature, Adjustable (k)	3,000-9,000 adjustable	
Viewing Angles	140° Horizontal, 140° Vertical	
Installation and Service Access	Front (top)	
Gray 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	100,000 hours	