



LED Display Solutions for Rental and Staging

Leyard® CarbonLight™ LED Displays are a comprehensive line of LED display solutions designed specifically for rental and staging applications. With a broad range of models, Leyard CarbonLight LED displays deliver a wide range of unique LED display solutions for eye-catching, creative public venue installations.

Comprised of five product lines aimed at a wide range of rental and staging applications, Leyard CarbonLight solutions share a patented carbon fiber construction that makes them uniquely lightweight, thin, strong and feature a refined mechanical construction for fast and flexible installation, as well as innovative features that deliver unique, eye-catching installations. Easily adapted to indoor, outdoor, hanging, floor-mounted, corner-beveled and even smoothly curved video walls, Leyard CarbonLight LED displays are unique in their thoughtful design and comprehensive range.

Lightweight, Flexible & Easy-To-Deploy LED Displays

Leyard CarbonLight includes five product lines with lightweight, flexible and easy-to-deploy LED Display solutions that meet the unique needs of rental and staging environments.



SIGNATURE DESIGN WITH A CARBON FIBER STRUCTURE

Through thoughtful engineering and craftsmanship, Leyard CarbonLight LED displays feature a thin, lightweight, high-strength carbon fiber casing in a modular design to fit a wide range of simple or complex applications. With this unique structural design, Leyard has pioneered, patented and perfected the use of carbon fiber in the construction of LED video wall displays.

FAST, FLEXIBLE INSTALLATION AND SERVICE

From start to finish, Leyard CarbonLight displays accommodate the fast-paced nature of rental and staging environments. With modular designs, free-standing or hanging applications can be quickly constructed using Leyard CarbonLight easy-to-use bracketry systems. The bracketry systems are designed to accommodate fast servicing, including removing and installing individual displays at any location in the design without disrupting the overall layout.

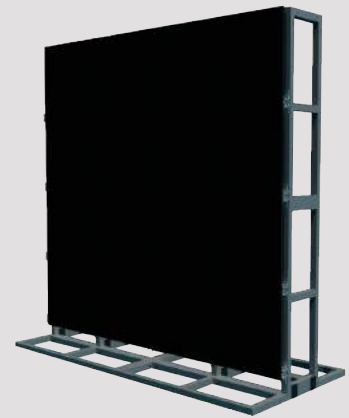
ADVANCED HARDWARE AND COMMON COMPONENTS

Leyard CarbonLight displays incorporate common components with fine-tuned, advanced hardware to deliver fast installation, servicing and disassembly. This innovative design makes interacting with the power, video and installation components of Leyard CarbonLight displays fast, easy and inexpensive.



RENTAL AND STAGING LED DISPLAY SOLUTIONS THAT EXCEED EXPECTATIONS

For rental and staging, timing is everything. Leyard CarbonLight LED displays feature five unique product lines designed to accommodate the fast-paced nature of rental and staging environments while delivering stunning visual performance to amaze any audience.



FEATURES AND BENEFITS

- **Light, Thin, Strong**
Ultra-lightweight, thin and strong design.
- **Convenient to Transport**
Lightweight, thin design reduces weight and size to minimizing shipping costs.
- **Quick Install and Teardown**
Products assemble quickly with easy-to-use hardware designed for fast set-up and teardown.
- **Easy Access for Swift Service**
Unique modular display design and easy-to-use bracketry hardware allows for simplified servicing.
- **Rigging-Friendly**
Easily hang displays with no supporting structure.
- **Eye-Catching**
Support a range of unique configurations including 90°, smooth arcs and even flooring installations.

LEYARD CARBONLIGHT LED DISPLAYS PRODUCT LINES



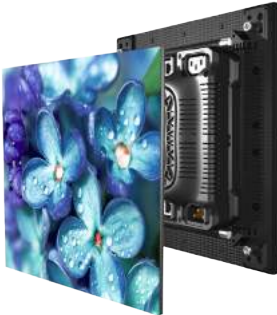
LEYARD CARBONLIGHT CLI SERIES

INDOOR LED VIDEO WALL

The Leyard® CarbonLight™ CLI Series is a line of lightweight, flexible LED video wall displays, ideal for indoor rental and staging applications. The Leyard CarbonLight CLI Series' adaptable design includes the ability to create precise 90° corners with the display's 45° edges and is suitable for hanging and free-standing installations. The Leyard CarbonLight CLI Series is available in 2.6, 3.9 and 5.2mm pixel pitches.

FEATURES AND BENEFITS

- Available in 2.6, 3.9 and 5.2mm pixel pitches
- Lightweight carbon fiber construction
- 45° display edges for 90° corners
- Compatible for hanging or free-standing installations
- Display size: 500 x 500 x 53mm



LEYARD CARBONLIGHT CLA SERIES

LED VIDEO WALL

The Leyard® CarbonLight™ CLA Series is a line of LED video wall displays using Leyard® PrecisionArc™ alignment technology to create stunningly seamless installations with concave, convex or wave formations. The Leyard CarbonLight CLA Series' carbon fiber construction provides lightweight displays in 1.5 and 1.9mm pixel pitches. Each display edge is positioned at a 45° angle, allowing installations to include precise 90° corners.

FEATURES AND BENEFITS

- Available in 1.5 and 1.9mm pixel pitches
- Leyard PrecisionArc alignment technology for seamless concave, convex and wave shapes
- Lightweight carbon fiber construction
- 45° display edges for 90° corners
- Compatible for hanging or free-standing installations
- Display size: 250 x 250 x 58mm



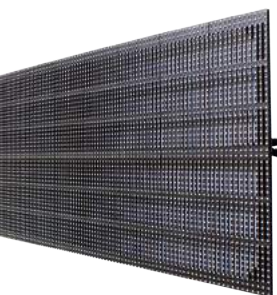
LEYARD CARBONLIGHT CLO SERIES

OUTDOOR LED VIDEO WALL

The Leyard® CarbonLight™ CLO Series is a line of LED video wall displays ideal for outdoor rental and staging applications. Each lightweight display is suitable for hanging and free-standing installations. The Leyard CarbonLight CLO Series' adaptable design enhances outdoor installation capabilities, including the ability to create precise 90° corners with the display's 45° edges. The Leyard CarbonLight CLO Series is available in 3.9, 5.2 and 7.8mm pixel pitches.

FEATURES AND BENEFITS

- Available in 3.9, 5.2 and 7.8mm pixel pitches
- Ideal for outdoor applications
- Lightweight carbon fiber construction
- 45° display edges for 90° corners
- IP65 Protection rating for outdoor applications
- Display size: 500 x 500 x 55mm



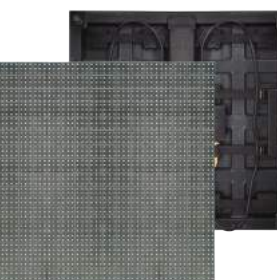
LEYARD CARBONLIGHT CLM SERIES

MESH LED SYSTEM

The Leyard® CarbonLight™ CLM Series is a line of see-through mesh LED video wall displays designed for rental and staging applications in indoor and outdoor environments. Available in 10.4 and 15.6mm pixel pitches, the Leyard CarbonLight CLM Series is lightweight with high transparency and low wind resistance.

FEATURES AND BENEFITS

- Available in 10.4 and 15.6mm pixel pitches
- See-through mesh design
- Lightweight carbon fiber construction
- IP65 Protection rating for outdoor applications
- 45° display edges for 90° corners
- Display size: 1000 x 500 x 45mm



LEYARD CARBONLIGHT CLF SERIES

LED FLOORING SYSTEM

The Leyard® CarbonLight™ CLF Series is an LED flooring system available in 5.2, 6.2 and 10.4mm pixel pitches. The Leyard CarbonLight CLF Series flooring system is constructed with a lightweight, carbon fiber frame, creating a high-strength structure built to withstand loads up to 500 kg per display. Additionally, this highly durable LED flooring system is layered with a high-strength, wear-proof mask to increase the lifespan of the displays.

FEATURES AND BENEFITS

- Available in 5.2, 6.2 and 10.4mm pixel pitches
- IP65 Protection rating for outdoor applications
- Loads up to 500kg per display
- High-strength, wear-proof mask
- Display size: 500 x 500 x 82mm

LEYARD CARBONLIGHT LED DISPLAYS

Series	CLI Series			CLA Series		CLO Series			CLM Series		CLF Series		
Model Name	CLI2.6	CLI3.9	CLI5.2	CLA1.5	CLA1.9	CLO3.9	CLO5.2	CLO7.8	CLM10.4	CLM15.6	CLF5.2	CLF6.2	CLF10.4
Pixel Pitch (mm)	2.6	3.9	5.2	1.5	1.9	3.9	5.2	7.8	10.4	15.6	5.2	6.2	10.4
Pixel Density (pixels / sq. meter) (pixels / sq. feet)	147,456 13,699	65,536 6,088	36,864 3,425	409,600 38,053	262,144 24,354	65,536 6,088	36,864 3,425	16,384 1,522	9,216 856	4,096 381	36,864 3,425	25,600 2,378	9,216 856
Display Resolution (per LED Display Module)	192 x 192	128 x 128	96 x 96	160 x 160	128 x 128	128 x 128	96 x 96	64 x 64	96 x 48	64 x 32	96 x 96	80 x 80	48 x 48
Brightness Max (cd/sq. m)	600	1,000	1,000	700	800	4,000	6,000	6,000	5,000	5,000	1,500	5,000	5,000
Grey Scale	14 bit			16 bit		14 bit			14 bit		14 bit		
LED Refresh Rate (Hz)	3,000	3,000	2,000	3,600	3,600	3,000	3,000	1,920	1,000	1,000	1,000	1,000	1,000
Frame Rate	30~70 Hz			30~70 Hz		30~70 Hz			30~70 Hz		30~70 Hz		
Contrast Ratio	4,000:1			2,000:1		2,000:1			2,000:1		2,000:1		
Color Temperature, Calibrated	6,500 k			6,500 k		6,500 k			6,500 k		6,500 k		
Viewing Angle, Horizontal	140°			140°		140°			140°		140°		
Viewing Angle, Vertical	140°			140°		140°			140°		140°		
Display Size (W x H x D)	500 x 500 x 53mm 19.69 x 19.69 x 2.09in			250 x 250 x 58mm 9.84 x 9.84 x 2.28in		500 x 500 x 56mm 19.69 x 19.69 x 2.20in			1000 x 500 x 45mm 39.37 x 19.69 x 1.77in		500 x 500 x 82mm 19.69 x 19.69 x 3.23in		
Display Weight	3.9 kg* 8.6 lb*			2.1 kg* 4.6 lb*	2.0 kg* 4.4 lb*	5.0 kg 11.0 lb*			4.8 kg 10.6 lb		8.00 kg 17.64 lb		
Display Material	Carbon Fiber			Carbon Fiber		Carbon Fiber			Carbon Fiber		Carbon Fiber		
Weight Bearing Capacity (per display)	1,000 kg** 2,204 lb**			300 kg** 660 lb**		1,000 kg** 2,204 lb**			1,000 kg** 2,204 lb**		500 kg** 1,102 lb**		
Installation	Hanging, Standing			Hanging, Standing		Hanging, Standing			Hanging, Standing		Floor		
Lifetime: Typical	100,000			100,000		100,000			100,000		100,000		
Regulatory Compliance	FCC Class A, CE, UL Recognized Component			FCC Class A, CE, UL Recognized Component		FCC Class A, CE, UL Recognized Component			FCC Class A, CE, UL Recognized Component		FCC Class A, CE, UL Recognized Component		

POWER SUPPLY

Power Supply	Single (Dual)	Single (Dual)	Dual	Dual	Dual
Line Voltage	100-240V AC, 50 / 60 Hz	100-240V AC, 50 / 60 Hz	100-240V AC, 50 / 60 Hz	100-240V AC, 50 / 60 Hz	100-240V AC, 50 / 60 Hz
Power Consumption, Maximum (watts)	600 / sq m 56 / sq ft	1,200 / sq m 111 / sq ft	1,200 / sq m 111 / sq ft	600 / sq m 56 / sq ft	1,200 / sq m 111 / sq ft
Power Consumption, Typical (watts)	300 / sq m 28 / sq ft	576 / sq m 54 / sq ft	600 / sq m 56 / sq ft	300 / sq m 28 / sq ft	600 / sq m 56 / sq ft

ENVIRONMENT

Environment	Indoor	Indoor	Outdoor	Indoor, Outdoor	Indoor, Outdoor
Operating Temperature/Humidity (degrees F/C, relative humidity)	-20° to 40° C -4° to 104° F	-20° to 40° C -4° to 104° F	-20° to 40° C -4° to 104° F	-20° to 40° C -4° to 104° F	-20° to 40° C -4° to 104° F
Storage Temperature/Humidity (degrees F/C, relative humidity)	-20° to 50° C -4° to 122° F	-20° to 50° C -4° to 122° F	-20° to 50° C -4° to 122° F	-20° to 50° C -4° to 122° F	-20° to 50° C -4° to 122° F
Protection Rating	IP40	IP40	IP65	IP65	IP65

INPUT / OUTPUT

Control Input Type	CAT6	CAT6	CAT6	CAT6	CAT6
Video Input Type (to VSP)	DVI, HDMI, HD-SDI	DVI, HDMI, HD-SDI	DVI, HDMI, HD-SDI	DVI, HDMI, HD-SDI	DVI, HDMI, HD-SDI

CONFIGURATIONS

45° Edges



Corner Assembly



**Leyard CarbonLight CLA Series
Curved Capabilities**



* Display weight includes single PSU
** Weight Bearing Capacity for hanging