



## LED Display Solutions for Flexible-Fixed Installations

Leyard® CarbonLight™ LED Displays are a comprehensive line of LED display solutions designed specifically for flexible-fixed installations. With a broad range of models, Leyard CarbonLight LED displays delivers 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 flexible-fixed 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, the 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 unique needs of flexible-fixed installations.



## SIGNATURE DESIGN WITH CARBON FIBER STRUCTURE

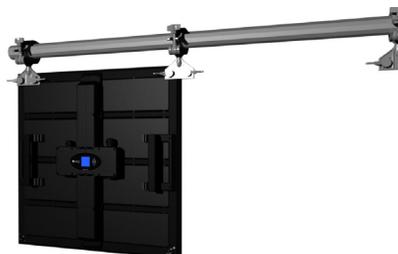
Through thoughtful engineering and craftsmanship, Leyard CarbonLight LED displays feature a thin, lightweight, high-strength carbon fiber cabinet in a modular design to fit a wide range of simple or complex applications. With this unique structural design, Leyard has pioneered, patented and perfected 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 creative flexibility needed for flexible-fixed installation environments. With modular designs, free-standing or hanging applications using flat or curved displays are possible and 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

The Leyard CarbonLight LED 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.



## FLEXIBLE-FIXED LED DISPLAY SOLUTIONS TO EXCEED YOUR EXPECTATIONS

Flexible-fixed installations require a greater level of display flexibility, which is not easily found in traditional LED video wall displays. With Leyard CarbonLight LED displays, flexibility is at the forefront of product design. All five of Leyard CarbonLight product lines accommodate the creative flexibility required for flexible-fixed installations while delivering stunning visual performance.



## FEATURES AND BENEFITS

- **Light, Thin, Strong**  
Ultra-lightweight, thin and strong design ideal for environments with limited structural capacity.
- **Free-Hanging**  
Easily hang products with no supporting structure.
- **Convenient to Move**  
Easily and quickly set-up and reconfigure a design or move the display to another location.
- **Creative, Eye-Catching Design Possibilities**  
Swiftly construct video walls with smooth curves, arcs and 90° internal or external corners.
- **Easy Access for Swift Service**  
A unique modular display design and easy-to-use bracketry allows for simplified servicing.

# LEYARD CARBONLIGHT 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 flexible-fixed applications. The Leyard CarbonLight CLI Series' adaptable design includes the ability to create 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
- 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.

### 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
- Compatible for hanging or free-standing installations
- Display size: 250 x 250 x 58mm

## LEYARD CARBONLIGHT CLO SERIES



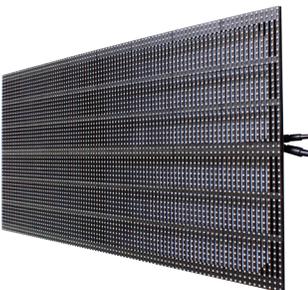
### OUTDOOR LED VIDEO WALL

The Leyard® CarbonLight™ CLO Series is a line of LED video wall displays ideal for outdoor flexible-fixed 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 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
- IP65 Protection rating for outdoor applications
- Display size: 500 x 500 x 55mm

## LEYARD CARBONLIGHT CLM SERIES



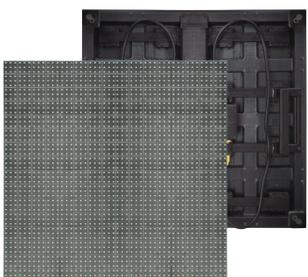
### MESH LED SYSTEM

The Leyard® CarbonLight™ CLM Series is a line of see-through mesh LED video wall displays designed for flexible-fixed installation applications in indoor and outdoor environments. Available in 6.9, 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 6.9, 10.4 and 15.6mm pixel pitches
- See-through mesh design
- Lightweight carbon fiber construction
- IP65 Protection rating for outdoor applications
- 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 (for 6.2 and 10.4mm pixel pitches)
- 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		
<b>Model Name</b>	CLI2.6	CLI3.9	CLI5.2	CLA1.5	CLA1.9	CLO3.9	CLO5.2	CLO7.8	CLM6.9	CLM10.4	CLM15.6	CLF5.2	CLF6.2	CLF10.4
<b>Pixel Pitch (mm)</b>	2.6	3.9	5.2	1.5	1.9	3.9	5.2	7.8	6.9	10.4	15.6	5.2	6.2	10.4
<b>Cabinet Resolution</b>	192 x 192	128 x 128	96 x 96	160 x 160	128 x 128	128 x 128	96 x 96	64 x 64	144 x 72	96 x 48	64 x 32	96 x 96	80 x 80	48 x 48
<b>Pixel Density</b> (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	20,736 1,926	9,216 856	4,096 381	36,864 3,425	25,600 2,378	9,216 856
<b>Cabinet Size</b> (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		
<b>Cabinet Weight</b>	2.6kg* 8.4lb*	3.9kg* 8.6lb*	3.9kg* 8.6lb*	2.1kg* 4.6lb*	2.0kg* 4.4lb*	5.0kg 11.0lb			4.8kg 10.6lb			8.0kg 17.64lb		
<b>Weight Bearing Capacity</b> (per cabinet)	1,000kg**   2,204lb**			300kg**   660lb**		1,000kg**   2,204lb**			1,000kg**   2,204lb**			500kg   1,102lb		
<b>Installation</b>	Hanging, Standing			Hanging, Standing		Hanging, Standing			Hanging, Standing			Floor		
<b>Brightness Max</b> (cd/sq. m)	600	1,000	1,000	700	1,000	6,000	6,000	6,000	5,000	5,000	5,000	1,500	5,000	5,000
<b>Contrast Ratio</b>	4,000:1			4,000:1		4,000:1			2,000:1			2,000:1		
<b>LED Refresh Rate</b> (Hz)	3,000			3,600		3,000	3,000	1,920	3,000	4,000	3,000	1,000		
<b>Grey Scale</b>	14 bit			16 bit		14 bit			14 bit			14 bit		
<b>Frame Rate</b>	30~70Hz													
<b>Color Temperature, Calibrated</b>	6,500k													
<b>Viewing Angle, Horizontal</b>	140°													
<b>Viewing Angle, Vertical</b>	140°													
<b>Cabinet Material</b>	Carbon Fiber													
<b>Lifetime: Typical</b>	75,000 hrs													
<b>Regulatory Compliance</b>	FCC Class A, CE, UL Recognized Component													

## POWER SUPPLY

<b>Power Consumption, Maximum</b> (watts)	150 / Cabinet 600 / sq m   56 / sq ft	75 / Cabinet 1,200 / sq m   111 / sq ft	300 / Cabinet 1,200 / sq m   111 / sq ft	300 / Cabinet 600 / sq m   56 / sq ft	300 / Cabinet 1,200 / sq m   111 / sq ft
<b>Power Consumption, Typical</b> (watts)	75 / Cabinet 300 / sq m   28 / sq ft	36 / Cabinet 576 / sq m   54 / sq ft	150 / Cabinet 600 / sq m   56 / sq ft	150 / Cabinet 300 / sq m   28 / sq ft	150 / Cabinet 600 / sq m   56 / sq ft
<b>Power Supply</b>	Single (Dual)	Single (Dual)	Dual	Dual	Dual
<b>Line Voltage</b>	100-240V AC, 50 / 60 Hz				

## ENVIRONMENT

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

## INPUT / OUTPUT

<b>Control Input Type</b>	CAT6 Ethernet
<b>Video Input Type</b> (to VSP)	DVI, HDMI, HD-SDI

## CONFIGURATIONS



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

# LEYARD

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