



# Leyard CarbonLight

## CLI1.9-F

### Indoor LED Video Wall

The Leyard® CarbonLight™ CLI1.9-F is a lightweight, flexible LED video wall display, ideal for indoor rental, staging and flexible-fixed applications and features front servicability. The Leyard CarbonLight CLI Series' adaptable design is suitable for hanging and free-standing installations.



| SPECIFICATION                        | DETAIL                                    |
|--------------------------------------|---|
| Part Number                          | CLI1.9DHF                                 |
| Pixel Pitch                          | 1.9mm                                     |
| Cabinet Resolution                   | 256x256                                   |
| Pixel Density                        | 262,144 / sq m   24,353 / sq ft           |
| LED Cabinet Size (W x H x D)         | 500 x 500 x 53mm   19.69 x 19.69 x 2.09in |
| Cabinet Diagonal                     | 707mm   27.8in                            |
| Cabinet Area                         | 0.25 sq m   2.69 sq ft                    |
| Modules/Cabinet (W x H)              | 2 x 4                                     |
| Module Size                          | 250 x 125mm   9.84 x 4.92in               |
| Power Consumption, Maximum (watts)   | 300 / Cabinet   1200 / sq m   111 / sq ft |
| Power Consumption, Typical (watts)   | 150 / Cabinet   600 / sq m   56 / sq ft   |
| Line Voltage                         | 100-240V AC, 50/60Hz                      |
| Cabinet Weight (per display)         | 4.1kg   9.04lbs                           |
| Cabinet Weight (per m <sup>2</sup> ) | 16.4kg   36.2lb                           |
| Brightness                           | 800                                       |
| Contrast Ratio                       | 4000:1                                    |
| LED Refresh Rate                     | 3840Hz                                    |

|  |  |
|--|--|
| <b>Color Temperature, Adjustable (k)</b>                               | 6500                                     |
| <b>Grey Scale</b>  | 14bit                                    |
| <b>Viewing Angle, Horizontal</b>                                       | 140°                                     |
| <b>Viewing Angle, Vertical</b>   | 140°                                     |
| <b>Video Input Type</b>  | DVI, HDMI, HD-SDI (to VSP)               |
| <b>Video Input Resolution Maximum</b>                                  | 1920 x 1080 @ 60 Hz (per VSP)            |
| <b>Frame Rate</b>  | 30Hz~70Hz                                |
| <b>Control Input Type</b>  | CAT6 Ethernet                            |
| <b>Service Access</b>  | Front                                    |
| <b>Lifetime: Typical</b>   | 75,000 hrs                               |
| <b>Environmental</b>   | Indoor                                   |
| <b>Power Supply</b>  | Dual                                     |
| <b>Protection</b>  | IP40                                     |
| <b>Acoustic Noise</b>  | Fanless Operation                        |
| <b>Operating Temperature/Humidity (degrees F/C, relative humidity)</b> | -20° to 40° C   -4° to 104° F            |
| <b>Storage Temperature/Humidity (degrees F/C, relative humidity)</b>   | -35° to 60° C   -31° to 140° F           |
| <b>Regulatory Compliance</b>   | FCC Class A, CE, UL recognized component |
| <b>Installation, Service</b>   | Hanging, Standing                        |
| <b>Weight Bearing Capacity (per panel)</b>                             | 1000kg   2204lb                          |
| <b>Cabinet Material</b>  | Carbon Fiber                             |



## Rugged and Optically-Optimized LED Video Walls

Leyard<sup>®</sup> ERO-LED<sup>™</sup> is a proprietary protective coating applied exclusively to best-in-class Leyard<sup>®</sup> LED display products to deliver protection and durability in high-traffic environments at a reasonable cost. Unlocking new applications for fine pitch LED displays, Leyard ERO-LED enhances the visual performance of an LED video wall with significantly increased contrast in ambient light and improved off-axis performance.

By adding Leyard ERO-LED's protective and optically enhancing coating, customers can deploy seamless LED video walls in more environments than ever before, including public spaces where casual contact with video walls may occur, as well as applications that encourage touch interaction with the video wall.

### Proprietary Formula & Process

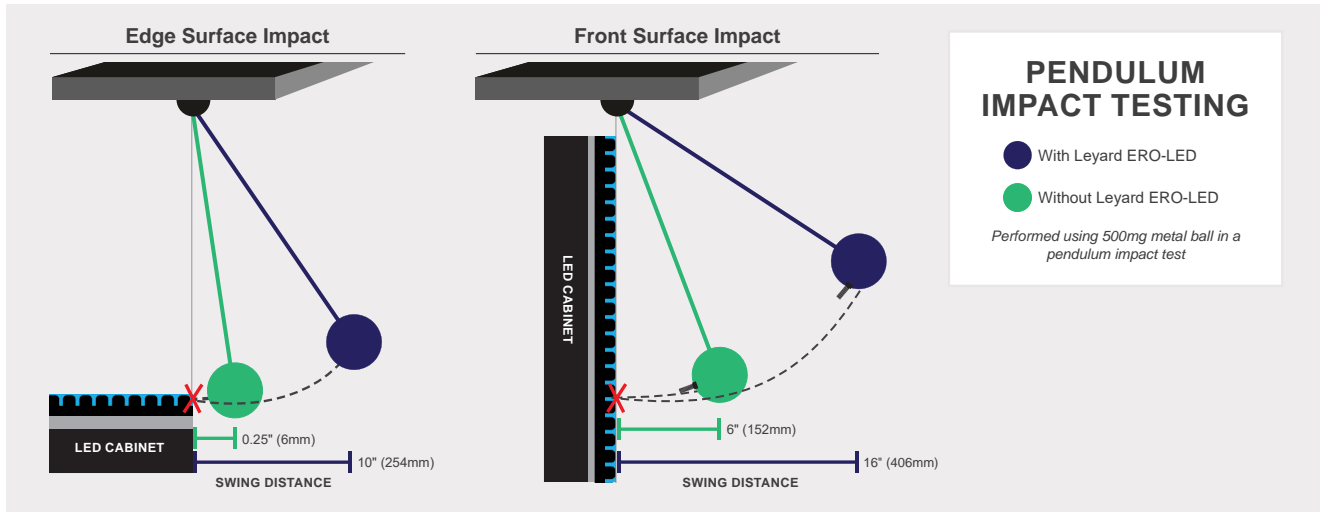
The Leyard ERO-LED proprietary coating material is applied at the LED module (printed circuit board) level. This precision coating application process is conducted at Leyard and Leyard manufacturing facilities by experienced LED technicians to ensure outstanding quality and consistency. Applying the protective surface at the module level allows for individual module removal and replacement, rather than having to remove an entire LED cabinet within a video wall.



Leyard ERO-LED is available in a variety of pixel pitches on many of the most popular front service and rear service Leyard LED display products to leverage the reliable, high performance and cost-effective SMD LED technology and provide the broadest set of choices at a reasonable price.

# Added Protection

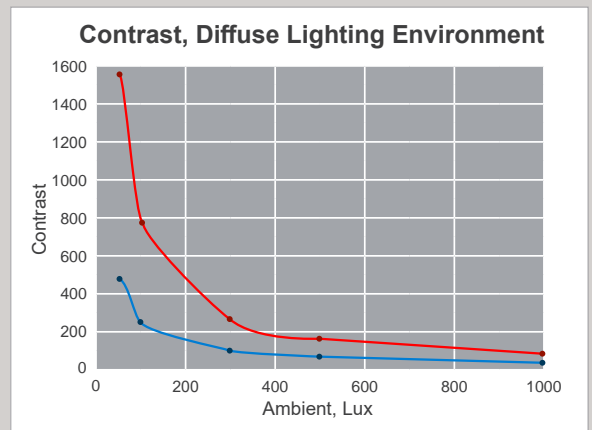
Adding Leyard ERO-LED to LED video walls provide ruggedness and protection from casual contact, front impact, edge impact, liquids, dust, electrostatic discharge (ESD) and humidity. Pendulum impact testing reveals significant improvements in edge and front surface resistance to impact.



Leyard LED-ERO dramatically improves impact-resistance to LED cabinet surface.

## Improved Optical Performance

Visual properties on an LED video wall are enhanced when using protective Leyard ERO-LED technology. At varying levels of ambient light, Leyard ERO-LED delivers three times the contrast ratio of LED video walls without Leyard ERO-LED.



● Leyard ERO-LED, 100% Brightness  
● Standard, 100% Brightness

## Leyard ERO-LED SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| Material                        | Proprietary Epoxy Resin   |
| Hardness                        | Between 2H and 3H on Mohs Scale   |
| Casual Contact Resistant        | Yes, Resistant to casual contact, finger nails or LED catching  |
| Front Impact Resistant          | Yes, Increased resistance to front impact damage (Pendulum test)  |
| Edge Impact Resistant           | Yes, Dramatically increased resistance to edge impact damage (Pendulum test)  |
| Liquid Protection               | Yes, Seals front from liquid and is cleanable   |
| Dust Protection                 | Yes, Seals front from dust and is cleanable   |
| Contrast Level in Ambient Light | 3x that of equivalent non-ERO LED display   |
| ESD Resistant                   | Yes, Significant protection against ESD event   |
| Humidity Resistant              | Yes, Sealed LED and PCB connection provides protection  |
| Cleaner compatible              | Yes, Tested with multiple brands glass cleaner, all-purpose cleaner, anti-static cleaner, Isopropyl alcohol and lacquer thinner. Recommended: Glass cleaner |