Ahead of the Curve

Planar® CarbonLight™ CLI Flex™ is a line of pliable LED video wall displays that combine to create immersive and eye-catching smooth, concave or convex curved video walls.
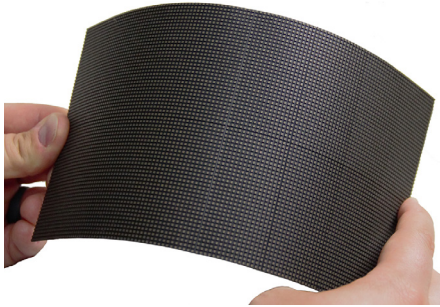
Planar CarbonLight CLI Flex displays are designed for indoor, fixed installations. They are bendable and do not cause color shift, offering a more visually-appealing alternative to faceting flat LED cabinets into segmented curves. The LED modules can also be combined with standard Planar® CarbonLight™ CLI Series cabinets to form unique walls with both flat and curved surfaces.

Planar CarbonLight CLI Flex is a front-service solution that attaches magnetically to a customized sheet metal mounting frame, facilitating wall-mounting, free-standing or hanging installations.
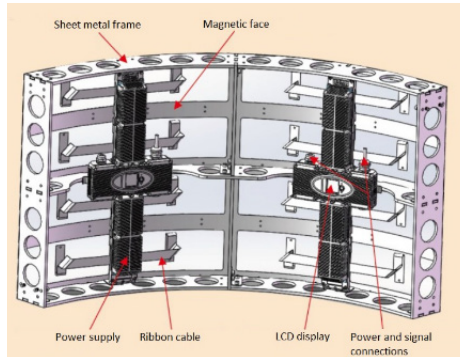
KEY FEATURES

- Concave and convex video walls with smooth curves
- Available in 1.3, 1.5, 1.9, 2.6 and 3.9 millimeter pixel pitches
- Front installation and service
- Supports a curve radius as small as 25" (637 mm)
- Custom sheet metal mounting frame
- Ideal for LED column wraps, halos, waves and broadcast studio sets

Planar CarbonLight CLI Flex LED Video Wall Components

Planar CarbonLight CLI Flex LED modules support a minimum diameter of 49" (1,247mm)

Each power and data distribution unit connects to eight LED modules

Planar CarbonLight CLI Flex modules attach magnetically to a custom sheet metal box frame

PLANAR CARBONLIGHT CLI FLEX SPECIFICATIONS

Model Name	1.3 mm	1.5 mm	1.9 mm	2.6 mm	3.9 mm
LED Module Resolution	192x96	160x80	128x64	96x48	64x32
Pixel Density	589824/m² | 63488/1sq ft	409600/m² | 38053/ft²	262144/m² | 24353/ft²	147456/m² | 13699/ft²	65536/m² | 6088/ft²
LED Module Size *(W x H)*	250 x 125 mm | 9.84" x 4.92"				
Brightness *(nits)*	600	600	800	800	1000
Power Consumption Maximum *(watts)*	900/m² | 83.6/ft²				600/ m² | 55.75/ft²
Power Consumption Typical *(watts)*	300/m² | 27.87/ft²				200/m² | 18.58/ft²
Minimum Curve Diameter	1274 mm				
LED Module Diagonal	279.5 mm | 11 in				
LED Module Area	.03125 m² | .33637 ft²				
Line Voltage	100~240V AC, 50/60 Hz				
LED Module Weight	0.12 Kg | 0.26 lbs.				
System Weight (Typical)	27.15 Kg/m² | 5.6 lbs/ft²				
Contrast Ratio	4000:1				
LED Refresh Rate	3840 Hz				
Color Temperature, Adjustable *(k)*	3,000-9,000				
Grey Scale	14-bit				
Viewing Angle	140 degrees horizontal, 140 degrees vertical				
Video Input Type	DVI, HDMI, HD-SDI				
Video Input Resolution Maximum	1920 x 1080 @ 60 Hz per S6F, 3840x2160 @ 60 Hz per Z6				
Frame Rate	50 Hz ~ 60 Hz				
Control Input Type	CAT6 Ethernet				
Service Access	Front				
Lifetime *(Typical)*	100,000 hrs				
Environment	Indoor				
Power Supply	Dual Power				Single Power
Protection	IP40				
Acoustic Noise	Fanless Operation				
Operating Temperature/Humidity *(degrees F/C, relative humidity)*	-20 to 40 C | -4 to 104 F				
Storage Temperature/Humidity *(degrees F/C, relative humidity)*	-35 to 60 C | -31 to 140 F				
Regulatory Compliance	FCC Class A, CE, UL recognized component				
Mounting Structure	Custom sheet metal box frame				
Display Controller	Colorlight S6F or Z6				
Power & Data Distribution Box	8 LED modules per box				

All Planar CarbonLight CLI Flex projects are managed by the Planar Custom Solutions Group. Design service fees may apply.