



* All images in this datasheet are for illustrative purposes only.



Indoor LED LFCM Series

Floor LED Display for Virtual Production



High Durability



Excellent Usability



Easy Installation and Maintenance



Power UI/UX with Megapixel VR HELIOS LED Processing Platform

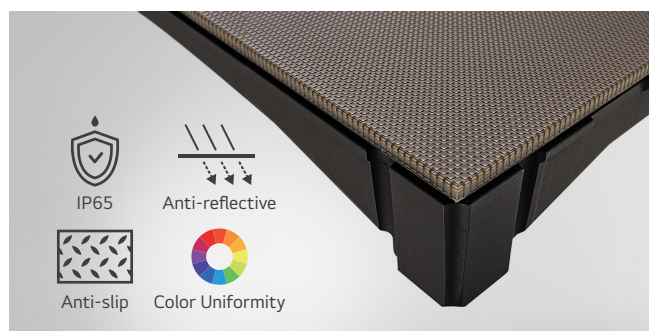
LFCM

Pixel Pitch	3.91 mm
Brightness	Up to 1,500 nits
Weight per Cabinet	26.5 lbs. / 12 kg
Service Access	Front and Rear
IP Rating Front / Rear	IP65 / IP65



High Durability

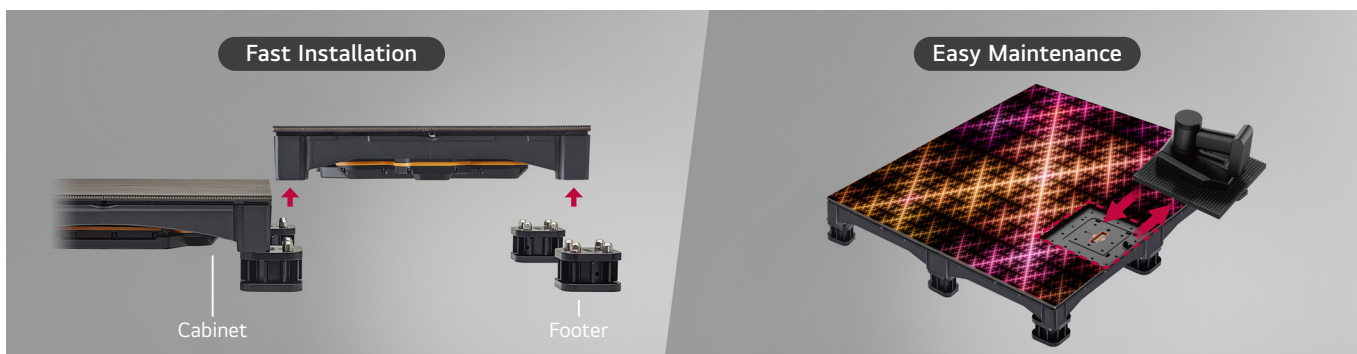
LFCM is a unique display installed on the floor with high durability designed to load up to 1,500 kg/sqm.



Excellent Usability

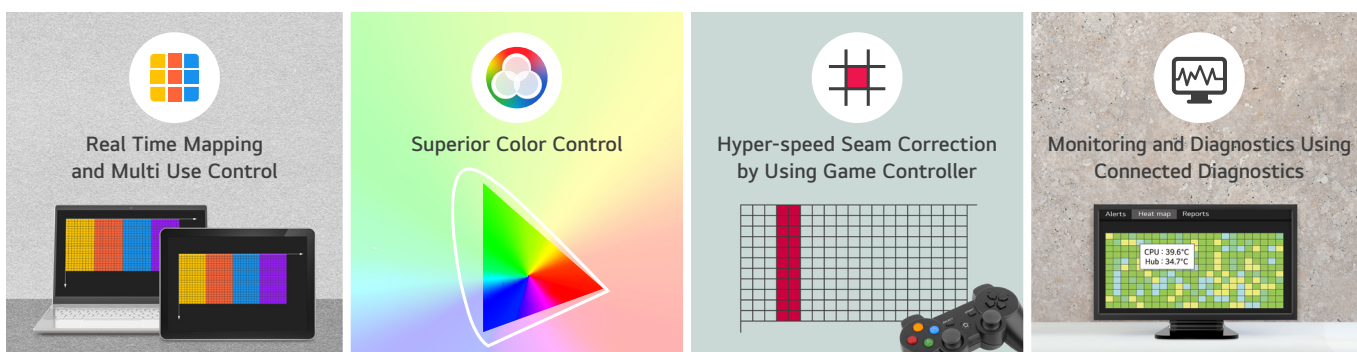
Considerations for surface* safety during floor installation include IP65 protective slip-resistant mats and reflection-reducing surfaces. High visual performance with high-contrast LEDs ensures uniform visual performance in black. New mask with diffusing powder has been applied for reducing the color shifting and refracting the light to various directions as considering its usage for XR Stage.

* As the surface is made of polycarbonate, it may be susceptible to scratches (especially against metal).



Easy Installation and Maintenance

The product features a simple structure that enables fast installation and easy maintenance. The cabinets can be easily deployed and connected using the foot support system. A straightforward flush control mechanism design helps to maintain consistent height levels on different types of floors. Additionally, the LED module is equipped with magnets for convenient maintenance, and hot swapping is possible even while the display is in operation.



Powerful UI/UX with Megapixel VR HELIOS LED Processing Platform

Thanks to the compatibility between LFCM and the Megapixel VR HELIOS LED* processing platform, you can now utilize the powerful UX and UI functionalities offered by HELIOS. HELIOS processing platform includes Real-Time Mapping and Multi-User Control, Superior Color Control, Hyper-Speed Seam Correction using a game controller, and Monitoring and Diagnostics through connected diagnostics.

* Please note that Megapixel VR HELIOS LED processing platform needs to be purchased separately, and depending on the actual usage environment, there may be limitations in the implementation of certain features offered by HELIOS. A game controller needs to be purchased separately.

SPECIFICATIONS

LFCM039-GN

Pitch Name		P3.91
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	3.91
	Module Resolution (W × H)	64 × 64
	Module Dimensions (W × H, in. / mm)	9.8 × 9.8 in. / 250 × 250 mm
	Weight per Module (lbs. / kg)	1.9 lbs. / 0.90 kg
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	128 × 128
	Cabinet Dimensions (W × H × D, in. / mm)	19.6 × 19.6 × 3.3 in. 500 × 500 × 84.5mm
	Cabinet Surface Area (ft ² / m ²)	2.7 ft ² / 0.25 m ²
	Weight per Cabinet (lbs. / kg)	26.5 lbs. / 12 kg
	Weight per Square Meter (kg/m ²)	48
	Physical Pixel Density (pixels/m ²)	65,536
	Flatness of Cabinet (mm)	±0.5
	Cabinet material	Die-casting Aluminum
Service Access	Front	
Optical Specifications	Max. Brightness (After Calibration, nits)	1,500
	Color Temperature (K)	3,500-9,000
	Visual Viewing Angle (H × V)	160° × 160°
	Brightness Uniformity	0.97
	Color Uniformity	±0.003 Cx, Cy
	Contrast Ratio	5,000 : 1
	Processing Depth (bit)	16
Electrical Specifications	Max Power Consumption per Cabinet (W)	180
	Avg. Power Consumption per Cabinet (W)	60
	Max Power Consumption (W/m ²)	720
	Max Heat Dissipation per Cabinet (BTU/h)	819
	Avg. Heat Dissipation per Cabinet (BTU/h)	273
	Max Heat Dissipation (BTU/h/m ²)	3,276
	Power Supply (Vac)	100 to 240
	Frame Rate (Hz)	50 / 60
Refresh Rate (Hz)	7,680	
Operation Specifications	Lifetime (Half Brightness)	100,000
	Operating Temperature (°F / °C)	14 to 113 / -10 to +45
	Operating Humidity	0-80% RH
	IP Rating Front / Rear	IP65 / IP65
Warranty & Other	Warranty	3 Year Limited
	Regulatory	CE, FCC, ETL
	Environmental	RoHS, REACH
	Controller	Megapixel VR HELIOS LED Processing Platform
	90 degree corner cut	No

Megapixel VR HELIOS LED Processing Platform (Controller)

Cabinet		LFCM
Max Output Range	Loading Capacity	8,192 × 4,320 @ 60 Hz
	Output Resolution	35.3 Million Pixels
Input	HDMI 2.0, HDCP 2.2, DP 1.4 (HBR3), SDI (4 × 12G-SDI), OPS (ST2110)	
Output	Optic (To LED Screen (8 × 10G))	
Control	LAN	Yes
	GenLock	Yes (In)
Video Processing	Brightness Adjustment, Chroma Adjustment, Improved Grayscale at Low Brightness, Scaling, HDR (PQ, HLG, Custom), EDID Custom	
Application	SuperSign CMS (Cross-platform Web Interface), webOS API, Configuration SW (Cross-platform Web Interface)	
Mechanical	Size (W × H × D, in. / mm)	18.9 × 1.7 × 15.5 in. 481.5 × 44.2 × 393mm
	Weight (lbs. / kg)	12.6 lbs. / 5.7kg

* Specifications are subject to change without notice. Please make sure to check the product manual for details about product usage.