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

Indoor LED LFCM

Floor LED Display for Virtual Productrion

High Durability

Excellent Usability

Easy Installation and Maintenance

Power UI/UX with Megapixel VR HELIOS LED Processing Platform

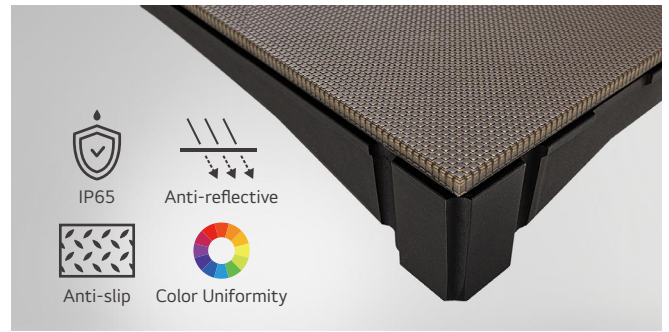| LFCM	
Pixel Pitch	3.91 mm
Brightness	1,500 nit
Weight per Cabinet	12 kg/Cabinet
Service Access	Front and Rear
IP Rating Front / Rear	IP65 / IP65

High Durability

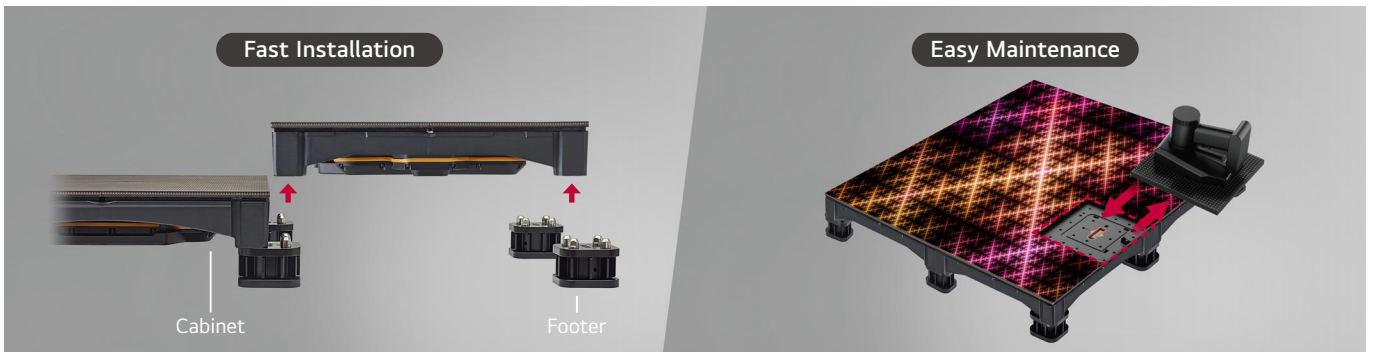LFCM is a unique display installed on the floor with high durability designed to load up to 1,500 kg/sqm.

* The LFCM LED display passed a TÜV Rheinland-approved compression test, where a vertical downward force was gradually applied until the display was broken (Test report No.: CN21Y9D3 001).

IP65

Anti-reflective

Anti-slip

Color Uniformity

Excellent Usability

Surface safety when installing the screen on the floor IP65 protective slip-resistant mat and reflection-reducing surfaces and high visual performance with high contrast LED for uniform visual performance in black are considered. 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.
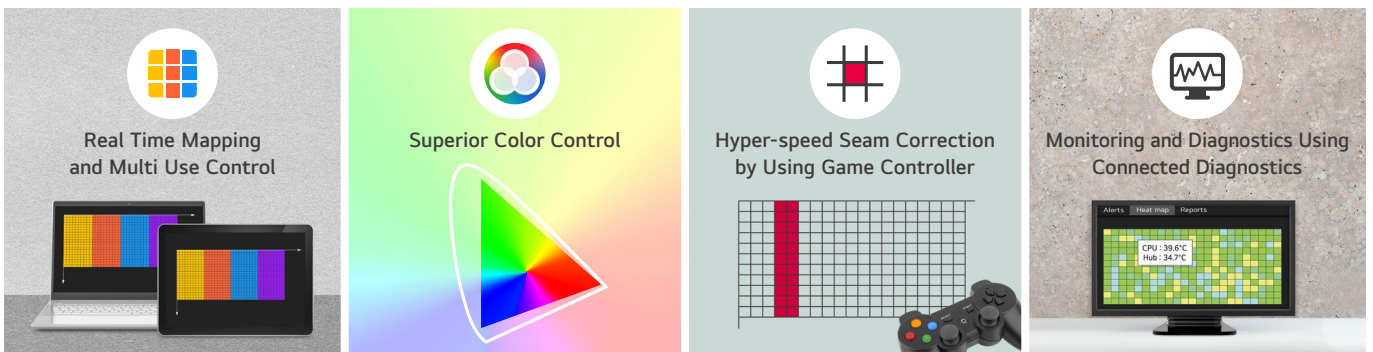
* As the surface is made of polycarbonate, it may be susceptible to scratches (especially against metal).

Fast Installation

Cabinet

Footer

Easy Maintenance

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.

* Hot Swapping : Swap module on-site during screen's on the operation.

Real Time Mapping and Multi Use Control

Superior Color Control

Hyper-speed Seam Correction by Using Game Controller

Monitoring and Diagnostics Using Connected Diagnostics

Alerts Heat map Reports

CPU : 39.6°C
Hub : 34.7°C

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, mm)	250 × 250
	Weight per Module (kg)	0.9
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	128 × 128
	Cabinet Dimensions (W × H × D, mm)	500 × 500 × 83.3
	Cabinet Surface Area (m²)	0.25
	Weight per Cabinet (kg/Cabinet)	12
	Weight per Square Meter (kg/m²)	48
	Physical Pixel Density (pixels/m²)	65,536
	Flatness of Cabinet (mm)	±0.5
	Cabinet material	Die-casting Aluminum
	Service Access	Front
Optical Specifications	Max. Brightness (After Calibration, nit)	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	Power Consumption (W/Cabinet, Max.)	180
	Power Consumption (W/Cabinet, Avg.)	60
	Power Consumption (W/m², Max.)	720
	Heat Dissipation (BTU/h/Cabinet, Max.)	819
	Heat Dissipation (BTU/h/Cabinet, Avg.)	273
	Heat Dissipation (BTU/h/m², Max.)	3,276
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	7,680
Operation Specifications	Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	-10 to +45
	Operating Humidity	0-80% RH
	IP Rating Front / Rear	IP65 / IP65
Standard	Certification	CE, FCC, ETL
Environment		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, mm)	481.5 × 44.2 × 393
	Weight (kg)	5.7

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

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