



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

Indoor LED LMEA Series

Ultra Slim Micro LED



Ultra Slim Depth and Lightweight



Large Module Design



Accurate Color

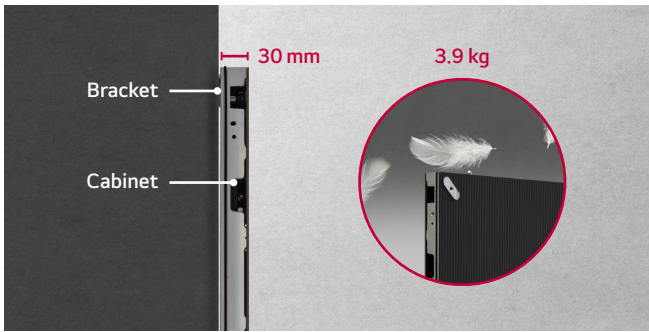


Energy Efficiency



LMEA Series

Pixel Pitch	1.25 mm
Brightness	600 nits
Weight per Cabinet	3.9 kg
Service Access	Front
IP Rating Front / Rear	IP50 / IP20



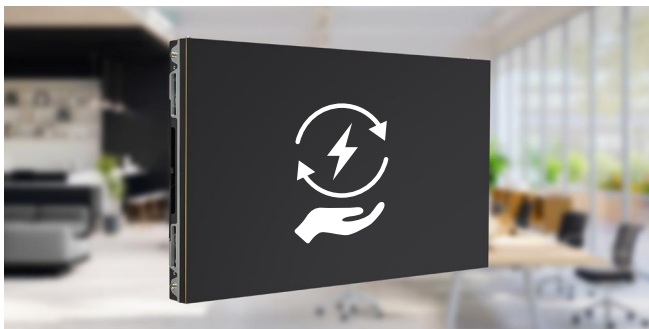
Slim & Lightweight Cabinet Design

The LMEA series features a slim cabinet design with a thickness of 30 mm and a weight of 3.9 kg. Its compact and lightweight structure supports flexible installation across various environments.



Accurate Colors as Intended

Leveraging COB LED technology, the LMEA series delivers precise color reproduction, enabling smooth motion and consistent image quality across diverse content.



Energy Efficiency with COB LED Technology

The LMEA series adopts COB-based LED technology, which consumes approximately 50% less power compared to the SMD-based model. In addition, the COB structure generates less heat, contributing to stable performance and lifespan.

* Based on internal measurements, LMEA012 consumes 272 watts/m², while LSCC012 consumes 553 watts/m²; actual performance may vary depending on settings, usage, and environment.



Optimized Installation with Large Module Configuration

Compared to products that require 6 to 8 modules per cabinet, LMEA series uses larger-sized modules, reducing the number to just four per cabinet. This design helps shorten installation time and enhances screen flatness by minimizing gaps between units.



Enhanced Visual Quality through HDR

The LMEA series supports HDR10 and HDR10 Pro* content and features a contrast ratio of 20,000:1, enabling detailed expression in both dark and bright areas.

* HDR10 Pro is LG's own HDR solution to process HDR signal by using enhanced dynamic tone mapping.



Compatibility with LG Software Solutions

When connected with LG's CVHA system controller, the LMEA series is compatible with LG software solutions including LG SuperSign CMS, LG LED Assistant, and LG ConnectedCare, which help customers operate their own business deftly.

* The availability of the LG ConnectedCare and LG SuperSign CMS differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.

* The items that can be monitored by LG ConnectedCare : LG webOS System Controller (Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp., LED Power)

SPECIFICATIONS

LMEA012BANH

Application Type		Indoor
Pitch Name		P1.25
Physical Parameters	Pixel Configuration	Micro
	Pixel Pitch (mm)	1.25
	Module Resolution (W × H)	240 × 135
	Module Dimensions (W × H, mm)	300 × 168.75
	Weight per Module (kg)	0.27
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	480 × 270
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 30 (35, Including rear wall-mount pin)
	Cabinet Surface Area (m ²)	0.2
	Weight per Cabinet (kg/Cabinet)	3.9
	Weight per Square Meter (kg/m ²)	19.26
	Physical Pixel Density (pixels/m ²)	640,000
	Flatness of Cabinet (mm)	±0.2
	Cabinet Material	Die-Casting Aluminum
	Service Access	Front
Optical Specifications	Brightness (After Calibration, nit)	600 (Max.)
	Color Temperature (K)	3,200-9,300 / 6,500 (Default)
	Visual Viewing Angle (H × V)	160±10 × 160±10
	Brightness Uniformity	97%
	Color Uniformity	±0.003 Cx,Cy
	Contrast Ratio	20,000 : 1
	Processing Depth (bit)	22
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	≤ 55
	Power Consumption (W/Cabinet, Avg.)	≤ 18
	Power Consumption (W/m ² , Max.)	≤ 272
	Heat Dissipation (BTU/h/Cabinet, Max.)	188
	Heat Dissipation (BTU/h/Cabinet, Avg.)	62
	Heat Dissipation (BTU/h/m ² , Max.)	928
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	3,840
Operation Specifications	LED Lifetime (Half Brightness)	150,000
	Operating Temperature (°C)	-10 to +40
	Operating Humidity	10-80% RH
	IP Rating Front / Rear	IP50 / IP20
Standard	Certification	CE, FCC, UL, EMC Class-A
	Certification (Fire Protection)	BS476 Part 7 Class 1
Environment		RoHS, REACH
Controller		CVHA
Cabinet Color		Black
Receiving Card / Receiving Card Manufacturer		A8s pro
Remark		Novastar

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

SPECIFICATIONS (CONTROLLER)

CVHA

Cabinet		LMEA Series
Max Output Range	Loading Capacity	3,840 × 2,160 @ 60 Hz
	Output Resolution	8,2944 Million Pixels
Input	HDMI	HDMI 2.0 (1 Port)
	HDCP	HDCP 2.2
	DP	DP 1.2 (1 Port) / HDCP 1.3
	OPS	Yes
Output	Ethernet (To LED Screen)	Yes (16-channel)
Control	LAN	Yes
	USB	Yes
	RS-232C	Yes (LOOP)
	Remote Control	Yes
Sensor	Ambient Light (External Sensor)	No / Yes (Must use together with MFN300B)
	Temperature (Embedded Sensor)	Yes
Video Processing	Brightness Adjustment	Yes
	Chroma Adjustment	Yes
	Improved Grayscale at Low Brightness	Yes
	Scaling	Yes
	HDR	HDR10 Pro
Application	CMS	SuperSign CMS
	webOS API	Yes
	LG ConnectedCare ¹⁾	Yes
	Configuration SW	LED Assistant
Mechanical	Size (W × H × D, mm)	443 × 63 × 307.5
	Weight (kg)	4.9

¹⁾The availability can differ by region.

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



Download
LG Digital Connect
Mobile App
Google Play

www.lg.com/global/business/information-display
www.youtube.com/c/LGCommercialDisplay
www.facebook.com/LGInformationDisplay
www.linkedin.com/company/lginformationdisplay

LG may make changes to specifications and product descriptions without notice. Copyright © 2026 LG Electronics Inc. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. The names of products and brands mentioned here may be the trademarks of their respective owners.

