Innovation for a Better Life

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

OUTDOOR DVLED SIGNAGE

Stadium Series

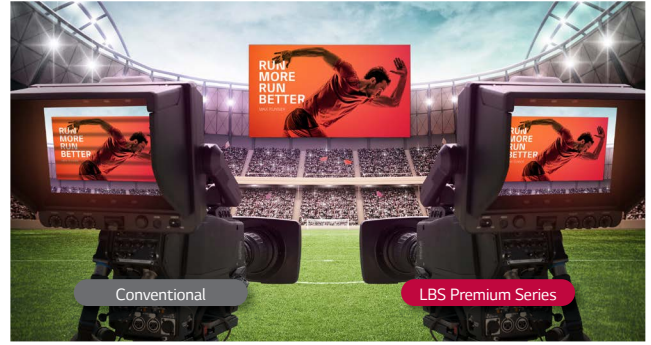**6000 NITS** — Outstanding Visibility

Smooth Playback in Dynamic Motion

16-bit Color Processing
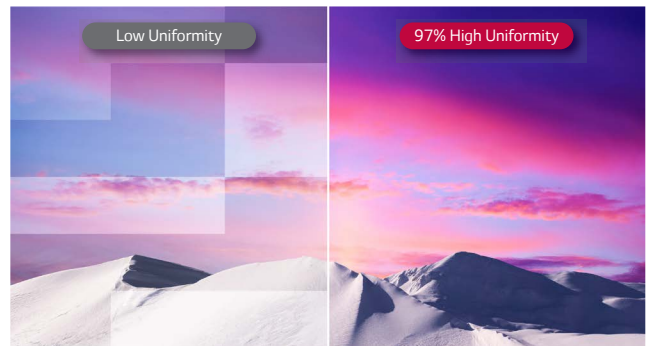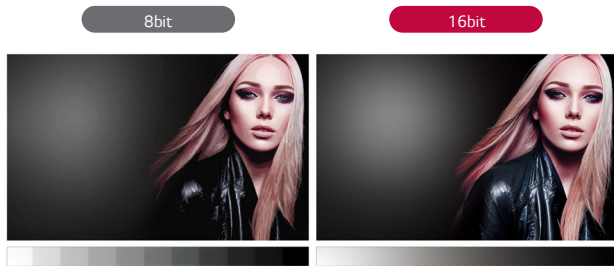
Uniform Picture Quality

Front and Rear Serviceability

Outstanding Visibility

Offering a powerful 6,000 nits (typ.) of brightness (customizable up to 8,500 nits), this super-bright display excels outdoors even in direct sunlight, instantly captivating attention and effectively delivering content.

Smooth Playback in Dynamic Motion

A high refresh rate of 4,000 Hz ensures smooth playback. Flicker-free images prevent the black bars that appear in video recordings and blurred vision.

Detailed Expression of Color Depth

16-bit color processing provides a high grayscale level, which seamlessly displays different depths and densities of colors without distortion, thereby giving a realistic and sophisticated content.

Uniform Picture Quality

Every step from production is strictly managed, while factory calibration ensures consistent quality between the LED units. The display provides seamless content with 97% brightness uniformity.

Front and Rear Serviceability

The LBB ribbon board offers both front and rear access allowing customers to choose according to their installation environment and minimizing limitations in installation and maintenance.
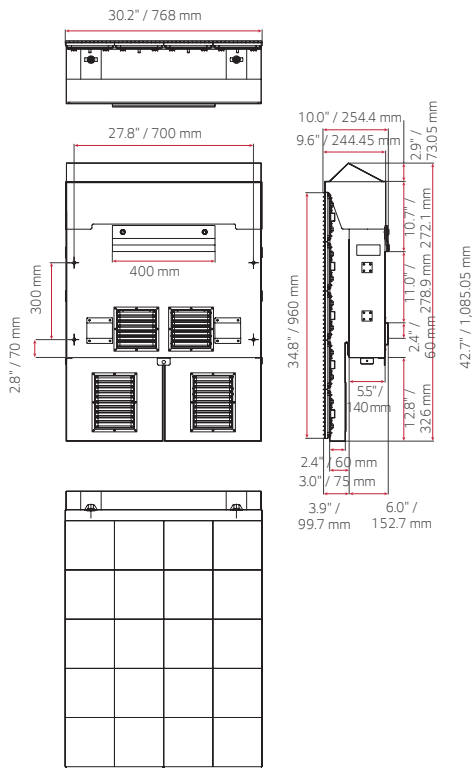
PRODUCT INFORMATION

Ribbon Board

Pixel Pitch	16.00 mm
Brightness	6,000 nits
Refresh Rate	4,000 Hz
Serviceability	Top
IP Rating (Front / Rear)	IP65 / IP54

Perimeter
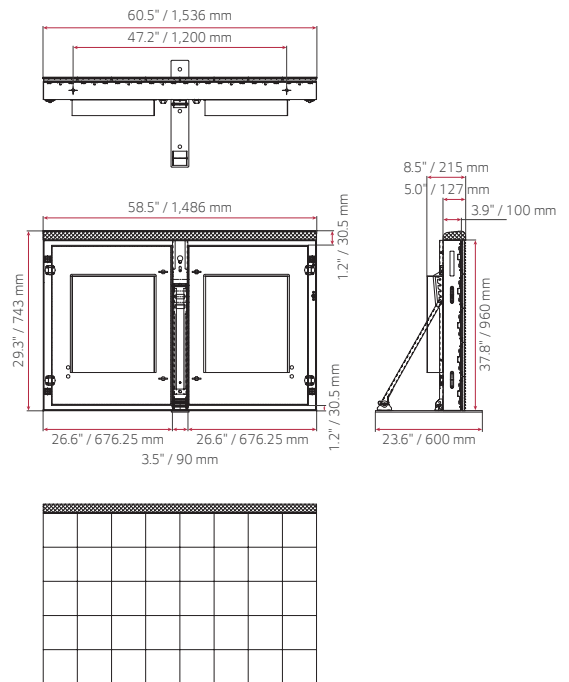
Pixel Pitch	16.00 mm
Brightness	6,000 nits
Refresh Rate	4,000 Hz
Serviceability	Front and Rear
IP Rating (Front / Rear)	IP65 / IP54

DIMENSIONS

Ribbon Board (LBF160DA4D)

Perimeter (LBB160DA4D2)

SPECIFICATIONS

MODEL NAME		LBB100DD3	LBB100DD4
PHYSICAL PARAMETERS	Pixel Configuration	Single SMD	Single SMD
	Pixel Pitch (mm)	10.00	10.00
	Module Resolution (WxH)	40 x 15	40x15
	Module Dimensions (W x H, in. / mm)	15.7 x 5.9 / 400 x 150	15.7 x 5.9 / 400 x 150
	Weight per Module (lbs. / kg)	2.2 / 1.0	2.2 / 1.0
	No. of Modules per Cabinet (WxH)	4 x 6	4x6
	Cabinet Resolution (W x H)	160 x 90	160x90
	Cabinet Dimensions (W x H x D, in. / mm)	63.0 x 35.4 x 4.9 / 1,600 x 900 x 124	63.0 x 35.4 x 4.9 / 1,600 x 900 x 124
	Cabinet Surface Area (ft^2 / m^2)	15.5 / 1.440	15.5 / 1.440
	Weight per Cabinet (lbs. / kg)	124 / 65.0	124 / 65.0
	Weight per Square Meter (lbs./ft^2 / kg/m^2)	45.1	45.1
	Physical Pixel Density (pixels/m^2)	9.24 / 45.1	9.24 / 45.1
	Flatness of Cabinet (mm)	±0.5	±0.5
	Cabinet material	Extrusion Aluminum	Extrusion Aluminum
	Service access	Module Front, Back,PDU Rear	Module Front, Back,PDU Rear
OPTICAL SPECIFICATIONS	Max Brightness (After Calibration, nits)	6,000	5,000
	Color Temperature (K)	3,500~9,000	3,500~9,000
	Visual Viewing Angle (Horizontal)	160°	160°
	Visual Viewing Angle (Vertical)	120°	120°
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003Cx,Cy	±0.003Cx,Cy
	Contrast Ratio	12,000:1	10,000:1
	Processing Depth (bit)	14	14
ELECTRICAL SPECIFICATIONS	Power Consumption (W/Cabinet, Max.)	750	750
	Power Consumption (W/Cabinet, Avg.)	250	250
	Power Consumption (W/m^2, Max.)	520	520
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,559	2,559
	Heat Dissipation (BTU/h/Cabinet, Avg.)	853	853
	Heat Dissipation (BTU/h/m^2, Max.)	1,774	1,774
	Power Supply (Vac)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840
OPERATION SPECIFICATIONS	LED Lifetime (Half brightness)	Up to 100,000 hours	Up to 100,000 hours
	Operating Temperature(°F / °C)	-22 to 113 / -30 to 45	-22 to 113 / -30 to 45
	Operating Humidity	10~99%RH	10~99%RH
	IP rating Front	IP65	IP65
	IP rating Rear	IP65	IP65
WARRANTY		3 Year Limited	3 Year Limited
CERTIFICATION		CE, FCC, ETL	CE, FCC, ETL
ENVIRONMENT		RoHS	RoHS
CONTROLLER		LCIN006	LCIN006

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