




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


Indoor Direct View LED


LSBE and LSBF Value Series



 High Brightness

 Durable Frame Design

 Easy Installation and Maintenance

 Compatibility with LG Software Solutions

LSBE and LSBF

Pixel Pitch	1.25 / 1.56 / 1.88 / 2.50 mm
Brightness	600 nits
Weight per Module	2.1 lbs. / 0.95 kg
Service Access	Front
IP Rating Front / Rear	IP50 / IP50



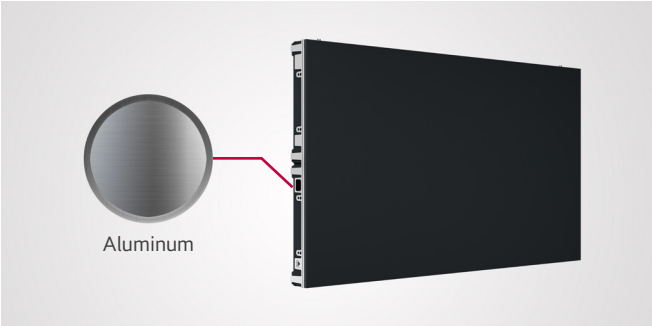
Brightness

With a brightness of 600 nits, it clearly delivers content and attracts public attention, making these ideal for achieving bright indoor visibility.



54" & 27" Combination Installation Available

The LSBF (54") and LSBE (27") Value Series models, sharing the same product platform, provide flexible matrix combinations for various spatial configurations. The compatibility between the 54" and 27" models enables versatile sizing options according to space requirements, allowing for installation.



Durable Frame Design

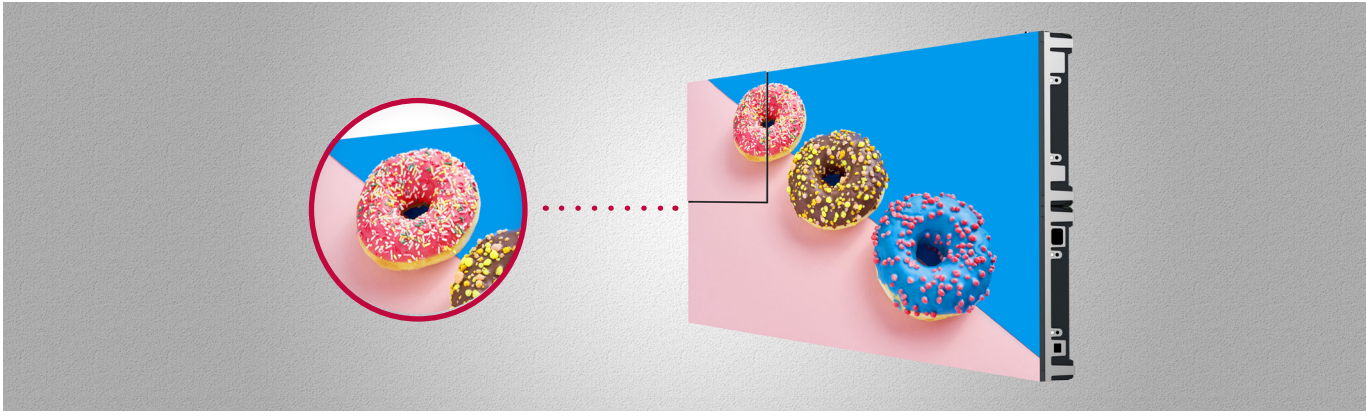
LSBE and LSBF incorporate an aluminum cabinet that enhances durability, and its high-strength frame, surpassing that of plastic, allows for stable operation.



Flame Spread Protection – BS476 Part 7 Class 1

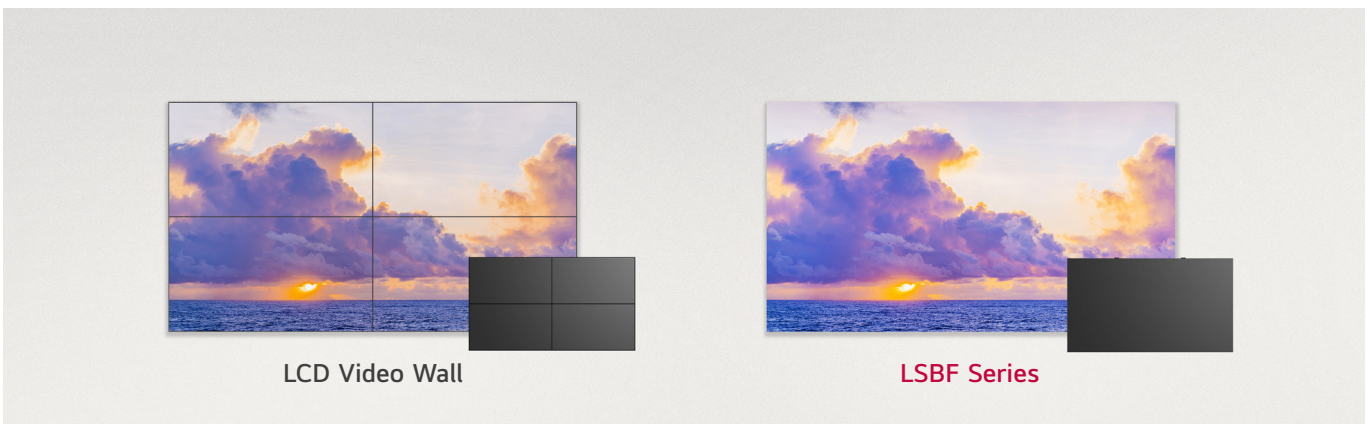
LSBE and SLBF are rated Class C for the EN 13501-1:2018 standard for assessing flame spread in case of fire.

* LSBF was evaluated for the test which was conducted in accordance with EN 13501-1:2018, Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests. (Certification number SZP23-014523)



Improved Flatness and Easy Maintenance

LSBF is composed of four LSBE modules that form one seamless cabinet that allows for a virtually perfectly-unified screen with easy front-access care and maintenance.



Easy Replacement and Undemanding Maintenance

Upgrade your existing LCD video wall* to the latest technology and LED display without having to secure additional space.

*Install the product using VESA wall-mount (600×400) and screws; VESA wall-mount and other wall-mounts are sold separately.



Compatibility with LG Software Solutions

When connected with LG's CVBA system controller, the LSBF series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare*, which help customers operate their businesses.

*LG ConnectedCare service availability varies by region and requires separate purchase; contact your regional LG sales representative for details. Monitored items include Main Board (Temp., Signal Status, FPGA Ver, Ethernet Connection Status) and Receiving Card (Temp., LED Power). Actual GUI may vary across different webOS versions, and LG Software solutions must be purchased separately.

SPECIFICATIONS

		LSBE012-GD LSBF012-GD	LSBE015-GD LSBF015-GD	LSBE018-GD LSBF018-GD	LSBE025-GD LSBF025-GD
Pitch Name		P1.25	P1.5	P1.8	P2.5
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.25	1.56	1.88	2.5
	Module Resolution (W × H)	240 × 270	192 × 216	160 × 180	120 × 135
	Module Dimensions (W × H)	11.8 × 13.3 × 0.5 in. 300 × 337.5 × 13 mm	11.8 × 13.3 × 0.5 in. 300 × 337.5 × 13 mm	11.8 × 13.3 × 0.5 in. 300 × 337.5 × 13 mm	11.8 × 13.3 × 0.5 in. 300 × 337.5 × 13 mm
	Weight per Module	2.1 lbs. / 0.95 kg	2.1 lbs. / 0.95 kg	2.1 lbs. / 0.95 kg	2.1 lbs. / 0.95 kg
	No. of Modules per Cabinet (W × H)	2x1 (LSBE) / 4x2 (LSBF)			
	Cabinet Resolution (W × H)	480x270 (LSBE) / 960x540 (LSBF)	384x216 (LSBE) / 768x432 (LSBF)	320x180 (LSBE) / 640x360 (LSBF)	240x135 (LSBE) / 480x270 (LSBF)
	Cabinet Dimensions (W × H × D)	23.6 × 13.3 × 2.8 in. / 600 × 337.5 × 72 mm (LSBE) 47.2 × 26.6 × 2.8 in. / 1,200 × 675 × 72 mm (LSBF)			
	Cabinet Surface Area (m ²)	0.2 (LSBE) / 0.81 (LSBF)			
	Weight per Cabinet (kg/Cabinet)	6.5 (LSBE) / 23 (LSBF)			
	Weight per Square Meter (kg/m ²)	32 (LSBE) / 28 (LSBF)			
	Physical Pixel Density (pixels/m ²)	640,000	409,600	284,089	160,000
	Flatness of Cabinet (mm)	±0.3			
	Cabinet Material	Die-cast Aluminum			
Service Access	Front				
Optical Specifications	Max. Brightness (After Calibration, nits)	600			
	Color Temperature (K)	3,200-9,300			
	Visual Viewing Angle (H × V)	160° × 150°			
	Brightness Uniformity	97%			
	Color Uniformity	±0.003 Cx, Cy			
	Contrast Ratio	5,000 : 1			
	Processing Depth (bit)	14			
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	117 (LSBE) / 445 (LSBF)	107 (LSBE) / 428 (LSBF)	103 (LSBE) / 413 (LSBF)	93 (LSBE) / 372 (LSBF)
	Power Consumption (W/Cabinet, Avg.)	51 (LSBE) / 206 (LSBF)	45 (LSBE) / 182 (LSBF)	41 (LSBE) / 166 (LSBF)	36 (LSBE) / 145 (LSBF)
	Power Consumption (W/m ² , Max.)	580	530	510	460
	Heat Dissipation (BTU/h/Cabinet, Max.)	400 (LSBE) / 1,518 (LSBF)	365 (LSBE) / 1,460 (LSBF)	351 (LSBE) / 1,410 (LSBF)	317 (LSBE) / 1,270 (LSBF)
	Heat Dissipation (BTU/h/Cabinet, Avg.)	174 (LSBE) / 703 (LSBF)	153 (LSBE) / 621 (LSBF)	140 (LSBE) / 566 (LSBF)	122 (LSBE) / 495 (LSBF)
	Heat Dissipation (BTU/h/m ² , Max.)	1,980	1,808	1,740	1,570
	Power Supply (Vac)	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60
Refresh Rate (Hz)	3,840	3,840	3,840	3,840	
Operation Specifications	Operating Temperature	-4°F to +104°F -20°C to +40°C	-4°F to +104°F -20°C to +40°C	-4°F to +104°F -20°C to +40°C	-4°F to +104°F -20°C to +40°C
	Operating Humidity	10-80% RH	10-80% RH	10-80% RH	10-80% RH
	IP Rating Front / Rear	IP50 / IP50	IP50 / IP50	IP50 / IP50	IP50 / IP50
Regulatory & Certifications	Regulatory	CE, FCC, cTUVus, CB, KC, CCC, Class C	CE, FCC, cTUVus, CB, KC, CCC, Class C	CE, FCC, cTUVus, CB, KC, CCC, Class C	CE, FCC, cTUVus, CB, KC, CCC, Class C
	Certification (Fire Protection)	EN 13501-1	EN 13501-1	EN 13501-1	EN 13501-1
Environment		RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH
Controller		CVBA	CVBA	CVBA	CVBA
90 Degree Corner Cut		Yes (LSBE) / No (LSBF)			
Warranty		3 Year Limited			

CVBA Controller

Cabinet		LSBE012-GD, LSBE015-GD, LSBE018-GD, LSBE025-GD LSBF012-GD, LSBF015-GD, LSBF018-GD, LSBF025-GD
Max Output Range	Loading Capacity	3,840 × 2,160 @ 60 Hz
	Output Resolution	8.2944 Million Pixels
Input	HDMI 2.0, HDCP 2.2, DP 1.2 / HDCP 1.3, OPS	
Output	Ethernet (To LED Screen (16-channel))	
Control	LAN	Yes
	RS-232C	Yes (LOOP)
	Remote Control	Yes
Sensor	Temperature (Embedded Sensor)	Yes
Video Processing	Brightness Adjustment, Chroma Adjustment, Improved Grayscale at Low Brightness, Scaling, HDR10 Pro	
Application	SuperSign CMS, webOS API, LG ConnectedCare ¹ , Configuration SW (LED Assistant)	
Mechanical	Size (W × H × D)	17.4 × 12.1 × 2.5 in. 443 × 307.5 × 63 mm
	Weight	10.8 lbs. / 4.9 kg

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.