Indoor LED LSBB

LG LED Fine-pitch Essential Series

Status Indicator of Signal Detection

Front Serviceability

Signal / Power Redundancy

Easy Alignment in Z-direction

Easy-handling Lightweight Cabinet

Compatibility with LG Software Solutions

	LSBB
Pixel Pitch	0.94 / 1.25 / 1.56 / 1.88 mm
Brightness	600 nit
Weight per Cabinet	6.0 kg/Cabinet
Serviceability	Front
IP Rating	IP5X
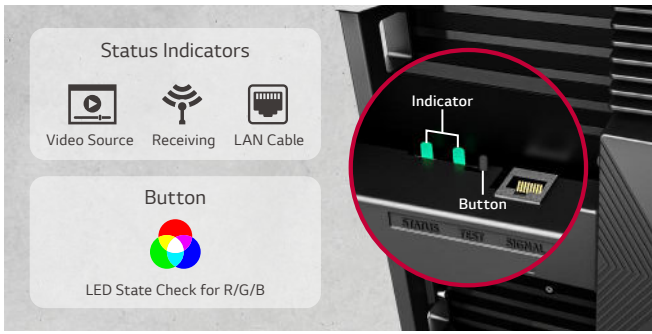
Status Indicator of Signal Detection

Status indicators and button are in the main frame of the cabinet structure, and can be accessed from both front and back.

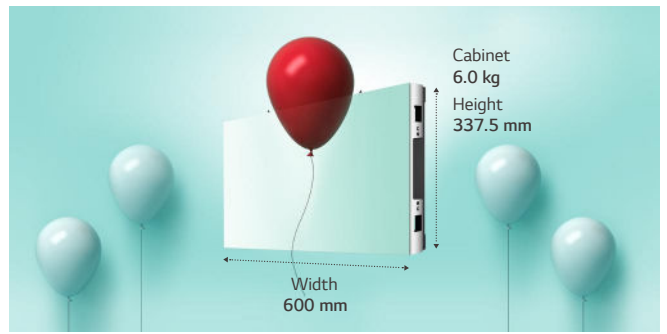* Visit LSBB user manual for more details of the status indicators and button.
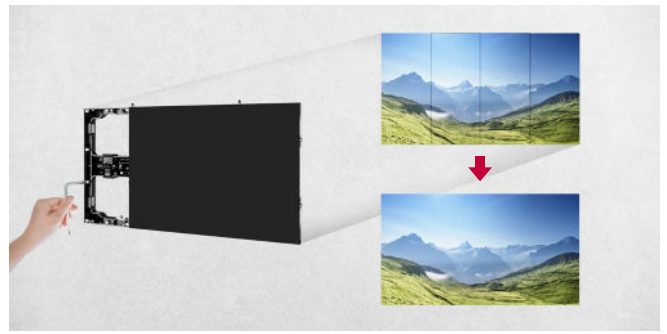
Easy Alignment in Z-direction

A uniform tool can be used for X/Y/Z 6-axis adjustment between panels. Module can be easily adjusted in Z-direction, and flatness can be optimized again.
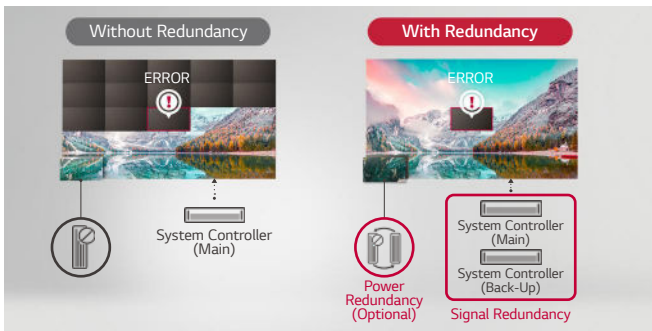

Front Serviceability

The product offers front access, freeing customers from needing rear access space.

Easy-handling Lightweight Cabinet

It's lightweight and easy to install, effectively reducing the risk of damage during installation. A full set of LED screens is still light, reducing strain on the structure holding the screens.

Signal / Power Redundancy

With an additional controller and power unit, a back-up controller activates if a signal transmission error occurs, preventing a screen blackout error (Signal Redundancy). The product also offers Power Redundancy as an option.* Two power units are provided in single LED cabinet one activates to provide power when the other fails.

* In the case of Power Redundancy, additional options are available as add-ons while ordering and will incur additional costs.

Compatibility with LG Software Solutions

Powered by LG's high performance system controller, the LSBB series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers operate their own business flawlessly.

* The availability of the 'LG ConnectedCare' service 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 : Main Board (Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp., LED Power)

SPECIFICATIONS

		LSBB009-GF	LSBB012-GD	LSBB015-GD	LSBB018-GD
Physical Parameters	Pixel Configuration	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	0.938	1.250	1.563	1.875
	Module Resolution (W × H)	160 × 360	120 × 270	96 × 216	80 × 180
	Module Dimensions (W × H, mm)	150 × 337.5	150 × 337.5	150 × 337.5	150 × 337.5
	Weight per Module (kg)	0.50	0.50	0.50	0.50
	No. of Modules per Cabinet (W × H)	4 × 1	4 × 1	4 × 1	4 × 1
	Cabinet Resolution (W × H)	640 × 360	480 × 270	384 × 216	320 × 180
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 56	600 × 337.5 × 56	600 × 337.5 × 56	600 × 337.5 × 56
	Cabinet Surface Area (m²)	0.203	0.203	0.203	0.203
	Weight per Cabinet (kg/Cabinet)	6.0	6.0	6.0	6.0
	Weight per Square Meter (kg/m²)	30.0	30.0	30.0	30.0
	Physical Pixel Density (pixels/m²)	1,137,777	640,000	409,600	284,444
	Flatness of Cabinet (mm)	0.5	0.5	0.5	0.5
	Cabinet Material	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum	Die Casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Max. Brightness (After Calibration)	600	600	600	600
	Color Temperature (K)	3,200-9,300	3,200-9,300	3,200-9,300	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 140	160 × 140	160 × 140	160 × 140
	Brightness Uniformity	97%	97%	97%	97%
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio (Typ.)	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	120	120	120	120
	Power Consumption (W/Cabinet, Avg.)	40	40	40	40
	Power Consumption (W/m², Max.)	600	600	600	600
	Power Consumption (BTU/Cabinet, Max.)	409	409	409	409
	Power Consumption (BTU/Cabinet, Avg.)	136	136	136	136
	Power Consumption (BTU/m², Max.)	2,047	2,047	2,047	2,047
	Power Supply (V)	AC 100-240 V (50-60 Hz)	AC 100-240 V (50-60 Hz)	AC 100-240 V (50-60 Hz)	AC 100-240 V (50-60 Hz)
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840	3,840
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-20 to +40	-20 to +40	-20 to +40	-20 to +40
	Operating Humidity	10-80% RH	10-80% RH	10-80% RH	10-80% RH
	IP Rating Front / Rear	IP5X / IP5X	IP5X / IP5X	IP5X / IP5X	IP5X / IP5X

* Specifications are subject to change without notice, so please contact LG sales team to verify before ordering.

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