





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





**Indoor LED** LBAE

# LED Display for Virtual Production

 Easy Installation and Maintenance

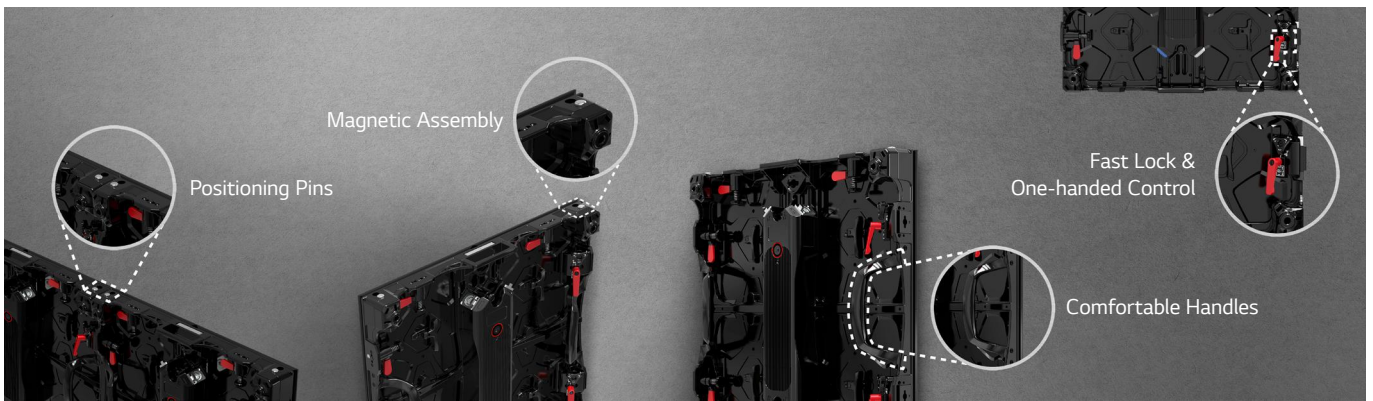
 Curve Effect Available

 Stacking & Hanging System Available

 Broadcast Quality Available

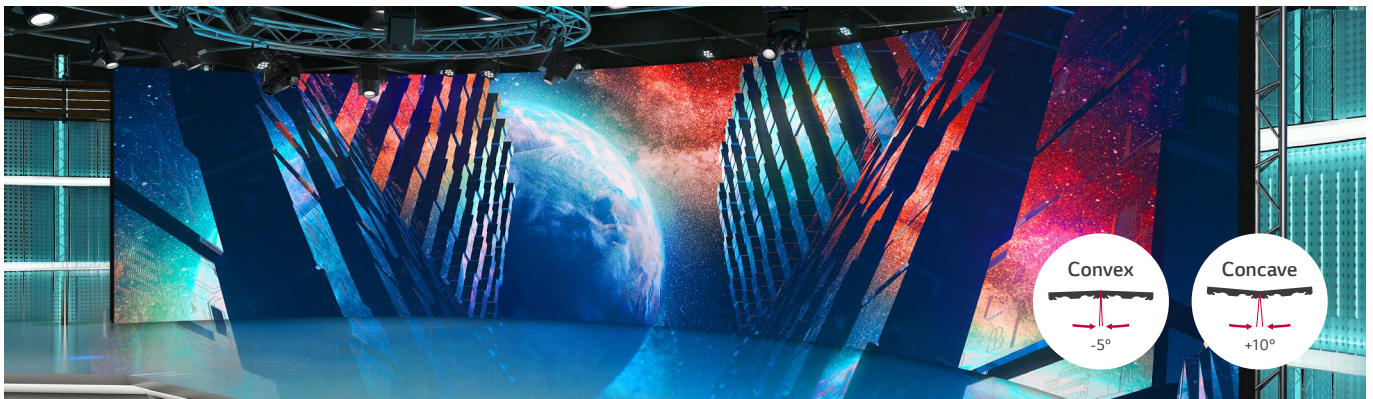
**LBAE**

Pixel Pitch	2.60 mm
Brightness	1,500 nit
Weight per Cabinet	6.0 kg/Cabinet
Service Access	Front or Rear (Select One Only)
IP Rating	IP30



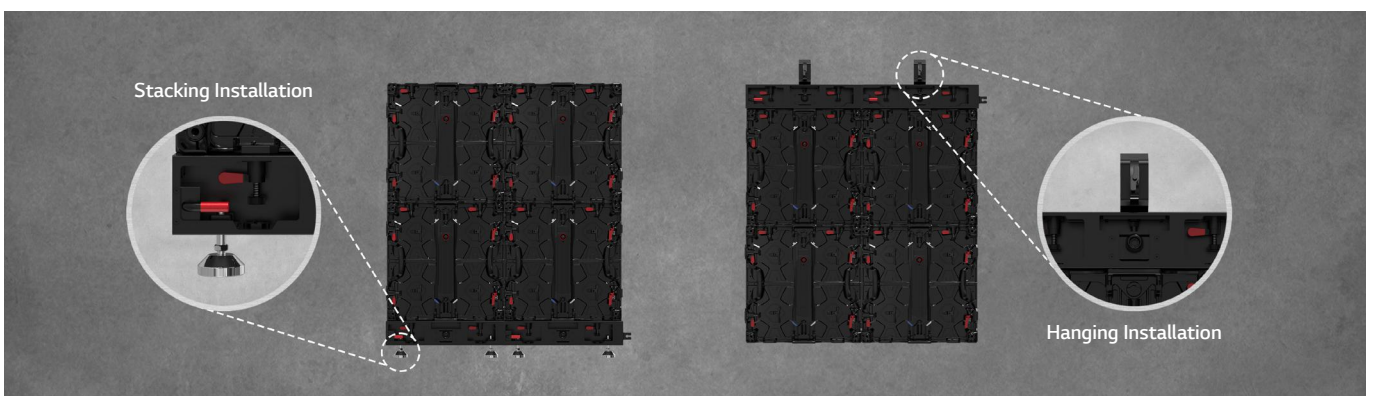
## Easy Installation & Maintenance

The module can be easily removed using the dedicated tool (with front or rear selective service access). The positioning pins and magnets help perform panel adjustments accurately and quickly, ensuring seamless screen assembly.



## Curve Effect Available

The mechanical connection between the two panels is secured by an angle adapter system and a fast lock, adjustable by 10 degrees in concave areas and 5 degrees in convex areas.



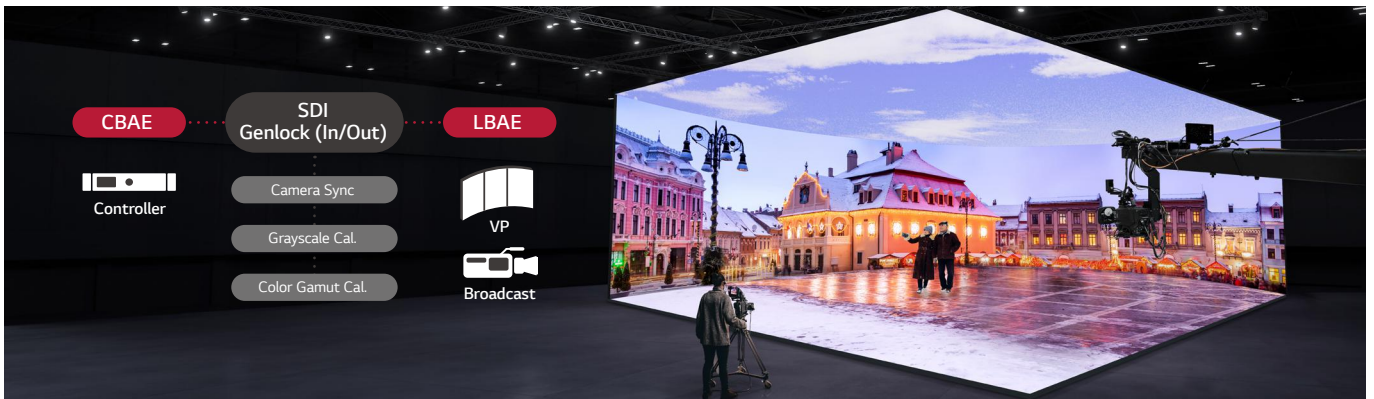
## Stacking & Hanging System Available

Installation can be performed by stacking or hanging, using the optional accessories (single, double, triple beams) for customization to the studio environment.



### Broadcast Quality Available

Accurate color reproduction, low latency of video processing, and HDR capability.



### Broadcast VP Controller

LBAE series is compatible with the CBAE controller, and the CBAE controller’s SDI and Genlock (in/out) interfaces support unique features of broadcast and virtual production.



### Compatibility with LG Software Solutions

Powered by LG’s high performance system controller, the LBAE 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)  
 \* Actual GUI may vary in different webOS versions.

## SPECIFICATIONS

## LBAE026-GM

Physical Parameters	Pixel Configuration	3 in 1 SMD
	Pixel Pitch (mm)	2.60
	Module Resolution (W × H)	96 × 96
	Module Dimensions (W × H, mm)	250 × 250
	Weight per Module (kg)	0.59
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	192 × 192
	Cabinet Dimensions (W × H × D, mm)	500 × 500 × 75.5
	Cabinet Surface Area (m <sup>2</sup> )	0.25
	Weight per Cabinet (kg/Cabinet)	6
	Weight per Square Meter (kg/m <sup>2</sup> )	24
	Physical Pixel Density (pixels/m <sup>2</sup> )	147,456
	Flatness of Cabinet (mm)	±0.15
	Cabinet material	Die Casting Magnesium Alloy
Service Access	Front or Rear (Select One Only)	
Optical Specifications	Max. Brightness (After Calibration)	1,500
	Color Temperature (K)	2,000-10,000 (Default 6,500)
	Visual Viewing Angle (H × V)	160 × 160
	Brightness Uniformity	97%
	Color Uniformity	±0.003 Cx, Cy
	Contrast Ratio	5,000
	Processing Depth (bit)	16
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	180
	Power Consumption (W/Cabinet, Avg.)	60
	Power Consumption (W/m <sup>2</sup> , Max.)	720
	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)	0 to 40
	Operating Humidity	0-80% RH
	IP Rating Front / Rear	IP30

## CBAE-026M (Controller)

	Cabinet	LBAE026-GM
Max Output Range	Loading Capacity	3,840 × 2,160@60 Hz
	Output Resolution	8.29 Million Pixels
Input	HDMI 2.0, HDCP 2.2, SDI (4 × 3G-SDI), Genlock In	
Output	Ethernet (20 × 1G (to LED)), Genlock Out	
Control	LAN	Yes
	USB	Yes (Service Only)
	RS-232C	Yes (LOOP)
	GenLock	Yes (In / Out)
Sensor	Brightness	Yes
	Temperature	Yes
Video Processing	Brightness Adjustment, Chroma Adjustment, Improved Grayscale at Low Brightness, Scaling, HDR10/HDR10 Pro/PQ/HLG, Low Latency (2 Frame)	
Application	SuperSign CMS, webOS API, LG ConnectedCare <sup>1)</sup> , Configuration SW (LED Assistant), LED Cal.	
Mechanical	Size (W × H × D, mm)	446 × 63 × 301
	Weight (kg)	5

<sup>1)</sup> 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.



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