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

Studio Series LBCJ / LBCK / LFCL

DVLED for Virtual Production (Brompton Compatible)

Compatible with Brompton Controller
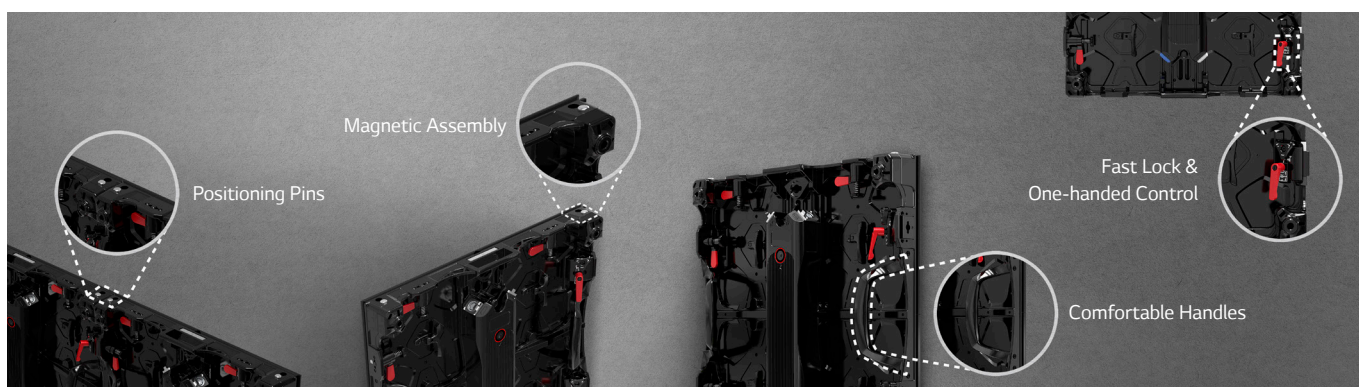
Curve Effect Available

Stacking & Hanging System Available

Broadcast Quality Available

|	LBCJ - Wall	LBCK - Ceiling	LFCL - Floor
Pixel Pitch	2.60 mm	3.91 mm	3.91 mm
Brightness	1,500 nits	5,000 nits	3,000 nits
Weight per Cabinet	13.0 lbs / 5.9 kg	27.6 lbs / 12.5 kg	23.1 lbs / 10.5 kg
Service Access	Either Front or Rear	Either Front or Rear	Front Only
IP Rating	IP30	IP65	IP65

Easy Installation & Maintenance

The module can be easily removed using the suction 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.
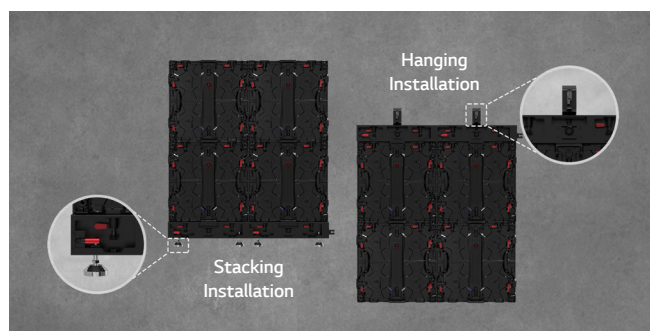
Stacking & Hanging System Available

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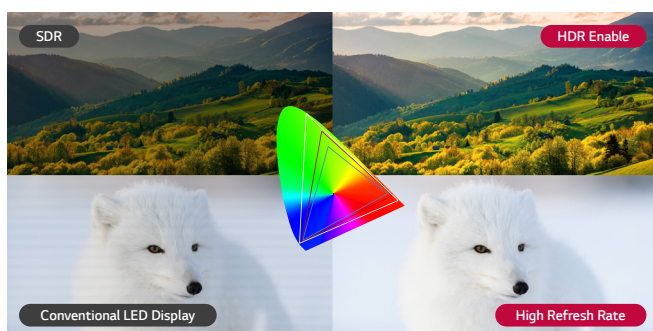
Broadcast Quality Available

Color reproduction as the content creators intended, low latency of video processing, and HDR capability.
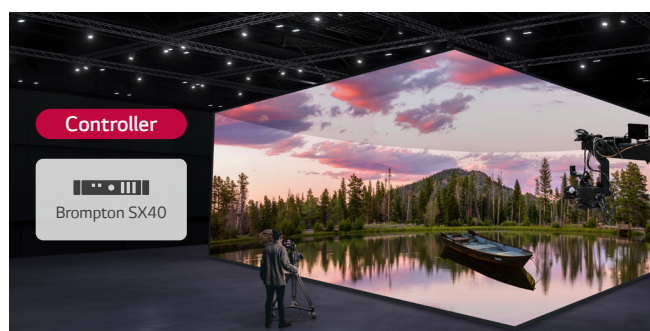
Brompton LED Processor & Data Distribution

As Brompton controllers are common in the broadcast and virtual production industry, these series offer support for them.

SPECIFICATIONS

		LBCJ026-GM	LBCK039-GN	LFCL039-GN
	Appplication	Wall	Ceiling	Floor
	Pitch Name	P2.60	P3.91	P3.91
Physical Parameters	Pixel Configuration	3 in 1	3 in 1	3 in 1 SMD
	Pixel Pitch (mm)	2.60	3.91	3.91
	Module Resolution (W × H)	96 × 96	64 × 128	64 × 64
	Module Dimensions (W × H, mm)	250 × 250	250 × 500	250 × 250
	Weight per Module (kg)	0.59	1.40	0.90
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2
	Cabinet Resolution (W × H)	192 × 192	128 × 256	128 × 128
	Cabinet Dimensions (W × H × D, mm)	500 × 500 × 75.5	500 × 1,000 × 66.05	500 × 500 × 84.5
	Cabinet Surface Area (m²)	0.250	0.500	0.250
	Weight per Cabinet (kg/Cabinet)	5.9	12.5	10.5
	Weight per Square Meter (kg/m²)	24.0	24.9	42.0
	Physical Pixel Density (pixels/m²)	147,456	65,536	65,536
	Flatness of Cabinet (mm)	±0.15	±0.3	±0.5
	Cabinet Material	Die Casting Magnesium Alloy	Die Casting Magnesium	Die Casting Aluminum
	Service Access	Front or Rear (Select One Only)	Front or Rear (Select One Only)	Front
Optical Specifications	Max. Brightness (After Calibration, nit)	1,500	5,000	3,000
	Color Temperature (K)	2,000-11,000	2,000-11,000	2,000-11,000
	Visual Viewing Angle (H × V)	160 × 160	160 × 155	120 × 120
	Brightness Uniformity	97%	97%	≥97%
	Color Uniformity	±0.003 Cx, Cy	±0.003 Cx, Cy	±0.003 Cx, Cy
	Contrast Ratio	5,000 : 1	6,000 : 1	5,000 : 1
	Processing Depth (bit)	16 (PQ, HLG)	14 (PQ, HLG)	14 (PQ, HLG)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	180	300	240
	Power Consumption (W/Cabinet, Avg.)	60	100	80
	Power Consumption (W/m², Max.)	720	600	960
	Heat Dissipation (BTU/h/Cabinet, Max.)	614	1,024	819
	Heat Dissipation (BTU/h/Cabinet, Avg.)	205	341	273
	Heat Dissipation (BTU/h/m², Max.)	2,457	2,047	3,276
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	7,680	3,840	3,840
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-30 to +45	-10 to +45
	Operating Humidity	0-80% RH	10-99% RH	0-80% RH Non-condensing
	IP Rating Front / Rear	IP30 / IP30	–	IP66 / IP66
	Certification	CE / FCC / ETL	CE / FCC / ETL	CE / FCC / ETL
	Environment	RoHS, REACH	RoHS	No
	Controller	Brompton SX40	Brompton SX40	Brompton SX40
	90 Degree Corner Cut	No	No	No

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

LG | Business Solutions