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

Indoor LED LBCK

Ceiling LED Display for Virtual Production

Easy Installation and Maintenance

Front or Rear Serviceability

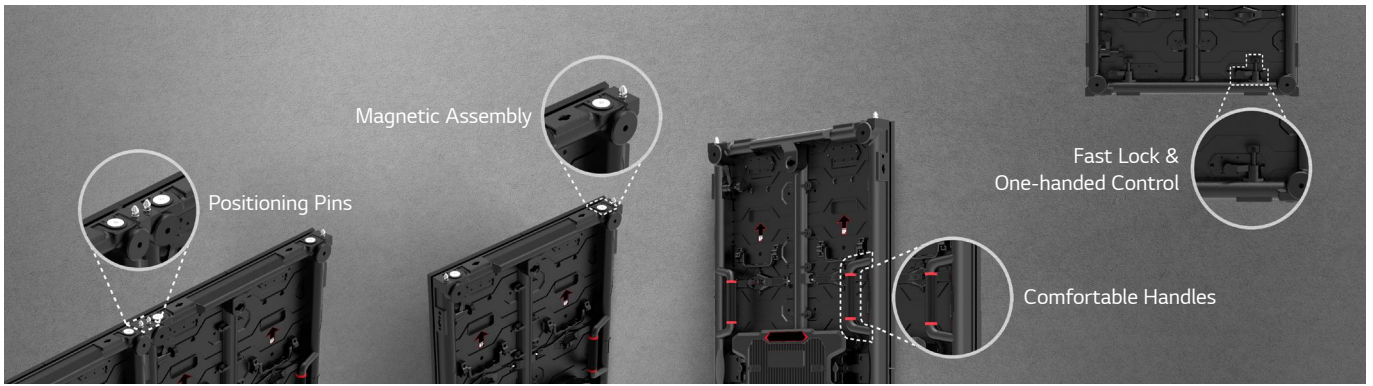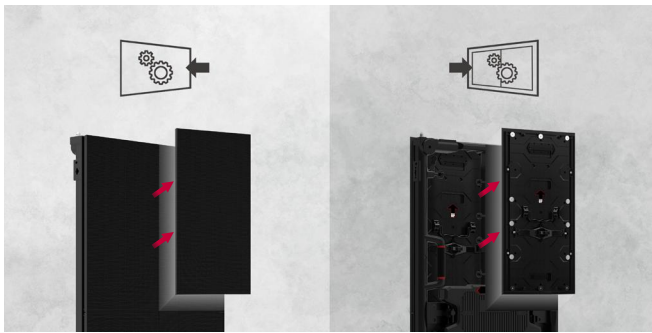**Brompton LED Processor & Data Distribution**

High Brightness

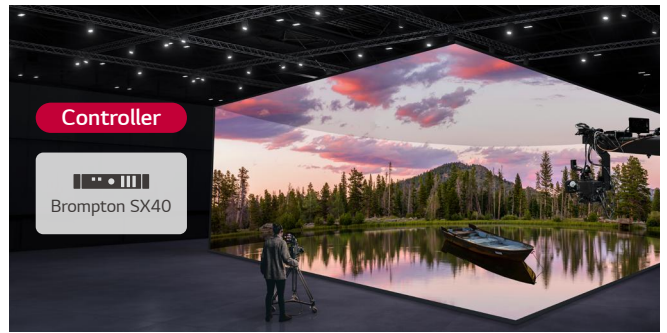| LBCK	
Pixel Pitch	3.91 mm
Brightness	5,000 nit
Weight per Cabinet	12.5 kg/Cabinet
Service Access	Front or Rear (Select One Only)

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.

Front or Rear Serviceability

The product offers either front access or rear access, allowing customers to choose installation options according to their need.
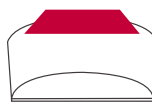

Brompton LED Processor & Data Distribution

As Brompton controllers are common in the broadcast and virtual production industry, LBCK series offers support for them.
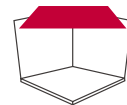
Approx. 400 SQM

Approx. 50 ~ 100 SQM

Approx. 20 ~ 50 SQM

High Brightness

The ceiling LED with 5,000 nits enables LBCK series to be used for alternative lightings in XR and virtual production.

SPECIFICATIONS

		LBCK039-GN
	Pitch Name	P3.91
Physical Parameters	Pixel Configuration	3 in 1
	Pixel Pitch (mm)	3.91
	Module Resolution (W × H)	64 × 128
	Module Dimensions (W × H, mm)	250 × 500
	Weight per Module (kg)	1.40
	No. of Modules per Cabinet (W × H)	2 × 2
	Cabinet Resolution (W × H)	128 × 256
	Cabinet Dimensions (W × H × D, mm)	500 × 1,000 × 66.05
	Cabinet Surface Area (m²)	0.500
	Weight per Cabinet (kg/Cabinet)	12.5
	Weight per Square Meter (kg/m²)	24.9
	Physical Pixel Density (pixels/m²)	65,536
	Flatness of Cabinet (mm)	±0.3
	Cabinet Material	Die Casting Magnesium
	Service Access	Front or Rear (Select One Only)
Optical Specifications	Max. Brightness (After Calibration, nit)	5,000
	Color Temperature (K)	2,000-11,000
	Visual Viewing Angle (H × V)	160 × 155
	Brightness Uniformity	97%
	Color Uniformity	±0.003 Cx, Cy
	Contrast Ratio	6,000 : 1
	Processing Depth (bit)	14 (PQ, HLG)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	300
	Power Consumption (W/Cabinet, Avg.)	100
	Power Consumption (W/m², Max.)	600
	Heat Dissipation (BTU/h/Cabinet, Max.)	1,024
	Heat Dissipation (BTU/h/Cabinet, Avg.)	341
	Heat Dissipation (BTU/h/m², Max.)	2,047
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	3,840
Operation Specifications	LED Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	-30 to +45
	Operating Humidity	10-99% RH
Certification		CE / FCC / ETL
Environment		RoHS
Controller		Brompton SX40
90 Degree Corner Cut		No

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

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