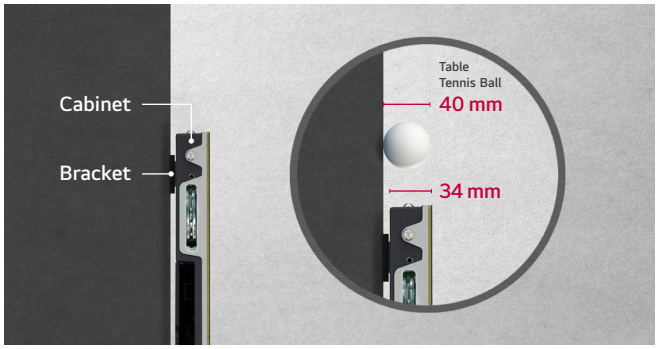
* All images in this datasheet are for illustrative purposes only.

Indoor LED LSCB Series

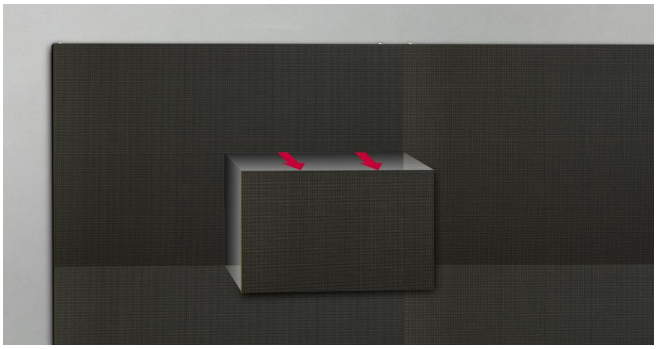
LSCB Ultra Slim Series

- Ultra Slim Depth
- Easy & Seamless Installation
- 16:9 FHD/UHD Configuration
- Versatile Installation Options
- User-Specific Customization
- EMC Class B Certified & Fire Resistant Design
- Compatibility with LG Software Solutions
- E-Bulb Option for Ceiling Installation (* EU only)



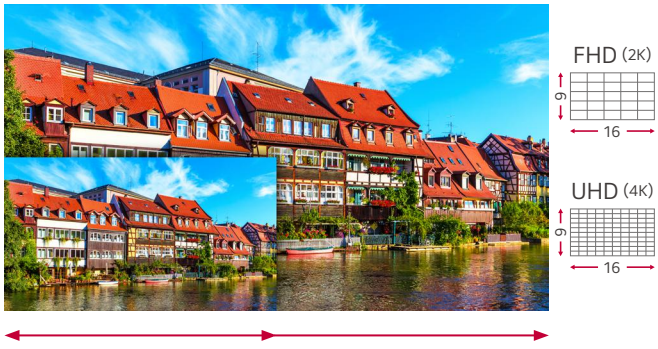
Ultra Slim Depth

Its ultra-slim design with 34 mm edge thickness is the biggest advantage of the product. This feature enables the LSCB series to be installed in a variety of venues, as its thinness helps it to harmonize with its surroundings.



Easy & Seamless Installation

The LSCB series can be easily installed and managed from the front side for easy operation. Thanks to this feature, no additional space for maintenance behind the product is required. Its LED modules can also be simply attached or detached with a suction tool.



16:9 FHD/UHD Configuration

Each cabinet uses a 16:9 aspect ratio, the same most commonly used in displays for FHD and UHD content. This allows you to keep using existing content without additional cost and time for editing.

Conventional | 90° Corner Option Applied

Versatile Installation Options

The LSCB series offers a range of cabinet configurations to accommodate diverse installation needs. For example, options include a 90° corner design for seamless integration into corners, as well as ceiling-mounted configurations for a truly immersive visual experience.

* The images above are for illustrative purposes only.

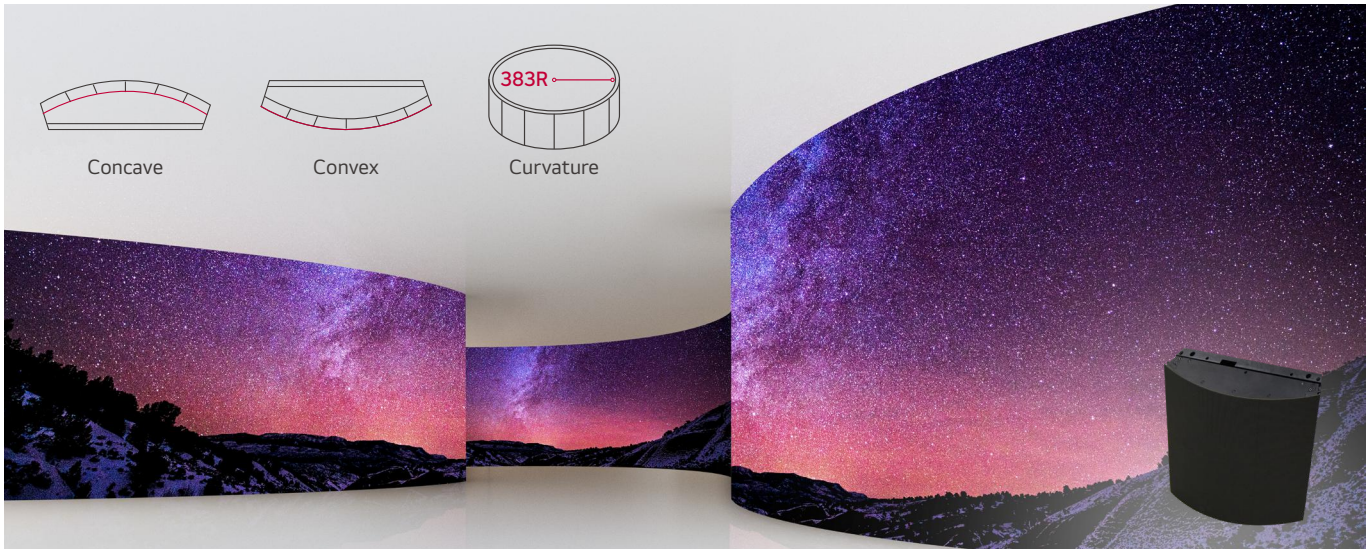
EMC Class B Certified & Fire Resistant Design

The LSCB series is safe from electromagnetic waves, which are harmful to the environment and human body, with EMC Class B certification and is designed with fire protection certification to prevent the fast spread of flames even if it catches on fire.

Compatibility with LG Software Solutions

When connected with LG's CVCA/CBCA system controller, the LSCB series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers operate their own business deftly.

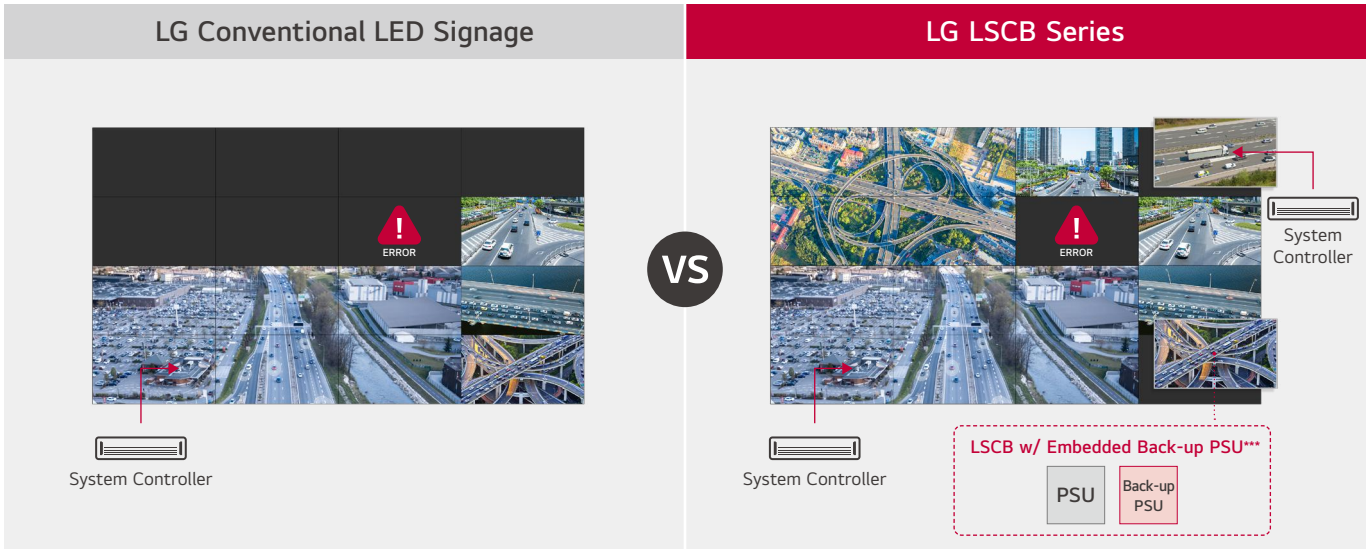
* The availability of the 'LG ConnectedCare' service differs by region, and it needs to be purchased separately. So please contact the LG sales representative in your region for more details.
** The items that can be monitored by LG ConnectedCare : LG webOS System Controller (Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp., LED Power)



Flexible Curve LED Display

The LSCB-CKF/CNF, a specially-designed flexible curved LED display, supports true concave and convex curvatures up to 383 mm*. This greatly enhances the design's flexibility, which allows users to freely create the curved screen as they want.

* Applied to the LSCB015-CKF/CNF, LSCB018-CKF/CNF, and LSCB025-CKF/CNF models only. The LSCB012-CKF supports curvatures of up to 1,720 mm.



Power / Signal Redundancy Support

The LSCB series is designed to support redundancy of signal and power, providing users with comfort. With an optional embedded backup power supply unit and signal redundancy, customers may experience the continuous operation of the screen without power failure, while the dual controllers can reduce screen failures with bi-directional signal input.

* The "Conventional" shown above refers to LED displays which do not support the power/signal redundancy mode.
** The power redundancy model is optional.
*** In the case of power redundancy, additional costs can be added.

PRODUCT INFORMATION

LSCB Series

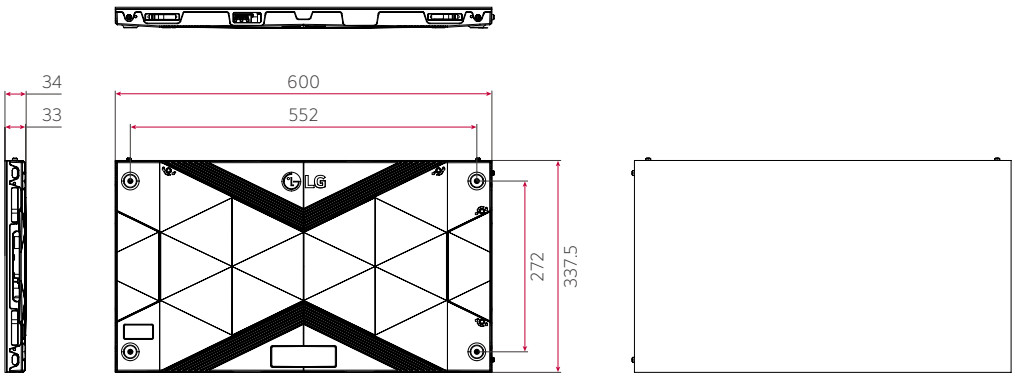
Pixel Pitch	1.25 / 1.56 / 1.88 / 2.50 mm
Brightness	800 / 1,000 / 1,200 / 1,500 nits (Max., After Calibration)
Service Access	Front
IP Rating Front / Rear	IP30 / IP30

Cabinet Option Examples

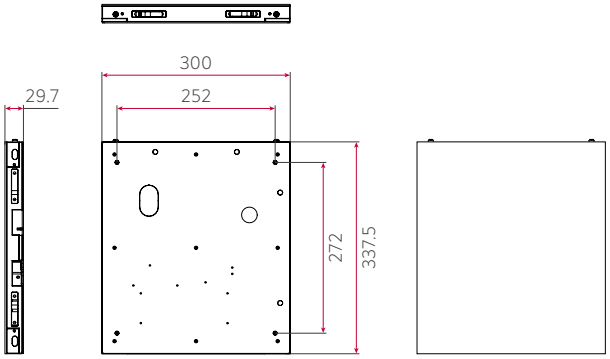
	Standard	Power Redun.	Mini	Curved
Pixel Pitch P1.2	LSCB012-RK/RN	LSCB012-PK/PN	LSCB012-CK	LSCB012-CKF
Pixel Pitch P1.5	LSCB015-RK/RN	LSCB015-PK/PN	LSCB015-CK/CN	LSCB015-CKF/CNF
Pixel Pitch P1.8	LSCB018-RK/RN	LSCB018-PK/PN	LSCB018-CK/CN	LSCB018-CKF/CNF
Pixel Pitch P2.5	LSCB025-RK/RN	LSCB025-PK/PN	LSCB025-CK/CN	LSCB025-CKF/CNF

DIMENSION (unit: mm)

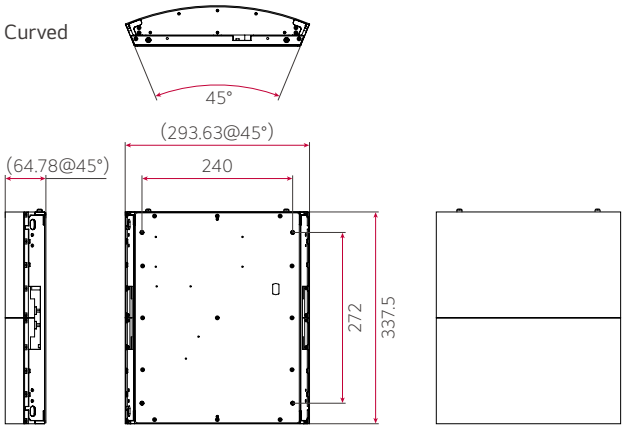
Standard



Mini



Curved



SPECIFICATIONS

		LSCB012-RK	LSCB015-RK	LSCB018-RK	LSCB025-RK
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2	2 × 1
	Cabinet Resolution (W × H)	480 × 270	384 × 216	320 × 180	240 × 135
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.3	5.3	5.3	5.3
	Weight per Square Meter (kg/m^2)	26.17	26.17	26.17	26.17
	Physical Pixel Density (pixels/m^2)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	800 (Max.)	800 (Max.)	800 (Max.)	800 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	150	150	150	100
	Power Consumption (W/Cabinet, Avg.)	50	50	50	34
	Power Consumption (W/m^2, Max.)	740	740	740	494
	Heat Dissipation (BTU/h/Cabinet, Max.)	512	512	512	341
	Heat Dissipation (BTU/h/Cabinet, Avg.)	171	171	171	116
	Heat Dissipation (BTU/h/m^2, Max.)	2,528	2,528	2,528	1,685
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
90-degree Corner Cut		Yes			

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

SPECIFICATIONS

		LSCB012-CK	LSCB015-CK	LSCB018-CK	LSCB025-CK
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	1 × 2	1 × 2	1 × 2	1 × 1
	Cabinet Resolution (W × H)	240 × 270	192 × 216	160 × 180	120 × 135
	Cabinet Dimensions (W × H × D, mm)	300 × 337.5 × 34	300 × 337.5 × 34	300 × 337.5 × 34	300 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.1	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	2.83	2.77	2.69	2.74
	Weight per Square Meter (kg/m^2)	27.95	27.36	26.57	27.06
	Physical Pixel Density (pixels/m^2)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	800 (Max.)	800 (Max.)	800 (Max.)	800 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	75	75	75	55
	Power Consumption (W/Cabinet, Avg.)	25	25	25	18
	Power Consumption (W/m^2, Max.)	740	740	740	543
	Heat Dissipation (BTU/h/Cabinet, Max.)	256	256	256	188
	Heat Dissipation (BTU/h/Cabinet, Avg.)	85	85	85	62
	Heat Dissipation (BTU/h/m^2, Max.)	2,528	2,528	2,528	1,854
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
90-degree Corner Cut		Yes			

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

SPECIFICATIONS

		LSCB012-CKF	LSCB015-CKF	LSCB018-CKF	LSCB025-CKF
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	1 × 2	1 × 2	1 × 2	1 × 1
	Cabinet Resolution (W × H)	240 × 270	192 × 216	160 × 180	120 × 135
	Cabinet Dimensions (W × H × D, mm)	300 × 337.5 × 58 (Cabinet mounting depth changs for different curve)	300 × 337.5 × 58 (Cabinet mounting depth changs for different curve)	300 × 337.5 × 58 (Cabinet mounting depth changs for different curve)	300 × 337.5 × 58 (Cabinet mounting depth changs for different curve)
	Cabinet Surface Area (m^2)	0.1	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	2.6 (Weight changs for different curve)	2.6 (Weight changs for different curve)	2.5 (Weight changs for different curve)	2.5 (Weight changs for different curve)
	Weight per Square Meter (kg/m^2)	25.78	25.19	24.79	24.79
	Physical Pixel Density ($pixels/m^2$)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	800 (Max.)	800 (Max.)	800 (Max.)	800 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	75	75	75	55
	Power Consumption (W/Cabinet, Avg.)	25	25	25	18
	Power Consumption (W/m^2, Max.)	740	740	740	543
	Heat Dissipation (BTU/h/Cabinet, Max.)	256	256	256	188
	Heat Dissipation (BTU/h/Cabinet, Avg.)	85	85	85	62
	Heat Dissipation ($BTU/h/m^2$, Max.)	2,528	2,528	2,528	1,854
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
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.

SPECIFICATIONS

		LSCB012-RN	LSCB015-RN	LSCB018-RN	LSCB025-RN
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2	2 × 1
	Cabinet Resolution (W × H)	480 × 270	384 × 216	320 × 180	240 × 135
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.33	5.21	5.05	5.15
	Weight per Square Meter (kg/m^2)	26.32	25.73	24.94	25.43
	Physical Pixel Density (pixels/m^2)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	1,000 (Max.)	1,000 (Max.)	1,200 (Max.)	1,500 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	150	150	150	150
	Power Consumption (W/Cabinet, Avg.)	50	50	50	50
	Power Consumption (W/m^2, Max.)	740	740	740	740
	Heat Dissipation (BTU/h/Cabinet, Max.)	512	512	512	512
	Heat Dissipation (BTU/h/Cabinet, Avg.)	171	171	171	171
	Heat Dissipation (BTU/h/m^2, Max.)	2,528	2,528	2,528	2,525
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
90-degree Corner Cut		Yes			

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

SPECIFICATIONS

		LSCB015-CN	LSCB018-CN	LSCB025-CN
Pitch Name		P1.56	P1.88	P2.50
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.56	1.88	2.5
	Module Resolution (W × H)	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	1 × 2	1 × 2	1 × 1
	Cabinet Resolution (W × H)	192 × 216	160 × 180	120 × 135
	Cabinet Dimensions (W × H × D, mm)	300 × 337.5 × 34	300 × 337.5 × 34	300 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	2.77	2.69	2.74
	Weight per Square Meter (kg/m^2)	27.36	26.57	27.06
	Physical Pixel Density (pixels/m^2)	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	1,000 (Max.)	1,200 (Max.)	1,500 (Max.)
	Color Temperature (K)	3,200-9,300	3,200-9,300	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	75	75	75
	Power Consumption (W/Cabinet, Avg.)	25	25	25
	Power Consumption (W/m^2, Max.)	740	740	740
	Heat Dissipation (BTU/h/Cabinet, Max.)	256	256	256
	Heat Dissipation (BTU/h/Cabinet, Avg.)	85	85	85
	Heat Dissipation (BTU/h/m^2, Max.)	2,528	2,528	2,528
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B		
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1		
Environment		RoHS, REACH		
Controller		CVCA, CBCA		
90-degree Corner Cut		Yes		

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

SPECIFICATIONS

		LSCB015-CNF	LSCB018-CNF	LSCB025-CNF
Pitch Name		P1.56	P1.88	P2.50
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.56	1.88	2.5
	Module Resolution (W × H)	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	1 × 2	1 × 2	1 × 1
	Cabinet Resolution (W × H)	192 × 216	160 × 180	120 × 135
	Cabinet Dimensions (W × H × D, mm)	300 × 337.5 × 58 (Cabinet mounting depth changs for different curve)	300 × 337.5 × 59 (Cabinet mounting depth changs for different curve)	300 × 337.5 × 60 (Cabinet mounting depth changs for different curve)
	Cabinet Surface Area (m^2)	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	2.6 (Weight changs for different curve)	2.5 (Weight changs for different curve)	2.5 (Weight changs for different curve)
	Weight per Square Meter (kg/m^2)	25.19	24.79	24.79
	Physical Pixel Density (pixels/m^2)	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	1,000 (Max.)	1,200 (Max.)	1,500 (Max.)
	Color Temperature (K)	3,200-9,300	3,200-9,300	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	75	75	75
	Power Consumption (W/Cabinet, Avg.)	25	25	25
	Power Consumption (W/m^2, Max.)	740	740	740
	Heat Dissipation (BTU/h/Cabinet, Max.)	256	256	256
	Heat Dissipation (BTU/h/Cabinet, Avg.)	85	85	85
	Heat Dissipation (BTU/h/m^2, Max.)	2,528	2,528	2,528
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-B		
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1		
Environment		RoHS, REACH		
Controller		CVCA, CBCA		
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.

SPECIFICATIONS

		LSCB012-PK	LSCB015-PK	LSCB018-PK	LSCB025-PK
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2	2 × 1
	Cabinet Resolution (W × H)	480 × 270	384 × 216	320 × 180	240 × 135
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.6	5.6	5.6	5.6
	Weight per Square Meter (kg/m^2)	27.7	27.7	27.7	27.7
	Physical Pixel Density (pixels/m^2)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	800 (Max.)	800 (Max.)	800 (Max.)	800 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	160	160	170	110
	Power Consumption (W/Cabinet, Avg.)	53	53	57	37
	Power Consumption (W/m^2, Max.)	790	790	840	543
	Heat Dissipation (BTU/h/Cabinet, Max.)	546	546	580	375
	Heat Dissipation (BTU/h/Cabinet, Avg.)	182	182	193	125
	Heat Dissipation (BTU/h/m^2, Max.)	2,696	2,696	2,865	1,854
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-A			
	Certification (Fire Protection)	BS476 Part 7 Class 2, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
90-degree Corner Cut		Yes			

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

SPECIFICATIONS

		LSCB012-PN	LSCB015-PN	LSCB018-PN	LSCB025-PN
Pitch Name		P1.25	P1.56	P1.88	P2.50
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 × 135	192 × 108	160 × 90	120 × 135
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 337.5
	Weight per Module (kg)	0.37	0.34	0.32	0.64
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	2 × 2	2 × 1
	Cabinet Resolution (W × H)	480 × 270	384 × 216	320 × 180	240 × 135
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34	600 × 337.5 × 34
	Cabinet Surface Area (m^2)	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.6	5.6	5.6	5.6
	Weight per Square Meter (kg/m^2)	27.7	27.7	27.7	27.7
	Physical Pixel Density (pixels/m^2)	640,000	409,600	284,444	160,000
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	1,000 (Max.)	1,000 (Max.)	1,200 (Max.)	1,500 (Max.)
	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 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	0.97	0.97	0.97	0.97
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy	±0.003 Cx,Cy
	Contrast Ratio	5,000 : 1	5,000 : 1	5,000 : 1	5,000 : 1
	Processing Depth (bit)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)	14 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	160	160	170	110
	Power Consumption (W/Cabinet, Avg.)	53	53	57	37
	Power Consumption (W/m^2, Max.)	790	790	840	543
	Heat Dissipation (BTU/h/Cabinet, Max.)	546	546	580	375
	Heat Dissipation (BTU/h/Cabinet, Avg.)	182	182	193	125
	Heat Dissipation (BTU/h/m^2, Max.)	2,696	2,696	2,865	1,854
	Power Supply (V)	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	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-10 to +45	-10 to +45
	Operating Humidity	0-80% RH	0-80% RH	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class-A			
	Certification (Fire Protection)	BS476 Part 7 Class 2, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA, CBCA			
90-degree Corner Cut		Yes			

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

SPECIFICATIONS (CONTROLLER)

		CVCA	CBCA
Cabinet		LSCB Series	LSCB Series
Max Output Range	Loading Capacity	3,840 × 2,160 @ 60 Hz	3,840 × 2,160 @ 60 Hz
	Output Resolution	8.2944 Million Pixels	8.2944 Million Pixels
Input	HDMI	HDMI 2.0 (1 port)	HDMI 2.0 (1 port)
	HDCP	HDCP 2.2	HDCP 2.2
	DP	DP 1.2 (1 port) / HDCP 1.3	DP 1.2a (1 port) / HDCP 1.4
	SDI / ST2110	No	Yes (4 × 3G-SDI)
	OPS	Yes	No
Output	Ethernet (To LED Screen)	Yes (16-channel)	Yes (16-channel)
Control	LAN	Yes	Yes
	USB	Yes	Yes
	RS-232C	Yes (LOOP)	Yes (LOOP)
	Remote Control	No	Yes
	GenLock	No	Yes (In / Out)
Sensor	Ambient Light (External Sensor)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)
	Temperature (Embedded Sensor)	Yes	Yes
Video Processing	Brightness Adjustment	Yes	Yes
	Chroma Adjustment	Yes	Yes
	Improved Grayscale at Low Brightness	Yes	Yes
	Scaling	Yes	Yes
	HDR	HDR10 Pro	HDR10 / HDR10 Pro / PQ / HLG
Application	CMS	SuperSign CMS	SuperSign CMS
	webOS API	Yes	Yes
	LG ConnectedCare[1)]	Yes	Yes
	Configuration SW	LED Assistant	LED Assistant
Mechanical	Size (W × H × D, mm)	443 × 63 × 307.5	443 × 63 × 314
	Weight (kg)	4.9	5.6

[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.

LG may make changes to specifications and product descriptions without notice. Copyright © 2025 LG Electronics Inc. All rights reserved. "LG Life's Good" is a registered trademark of LG Corp. The names of products and brands mentioned here may be the trademarks of their respective owners.