LG

Indoor LED LSCC Series

LSCC Ultra Slim Series

Ultra Slim Depth and Lightweight
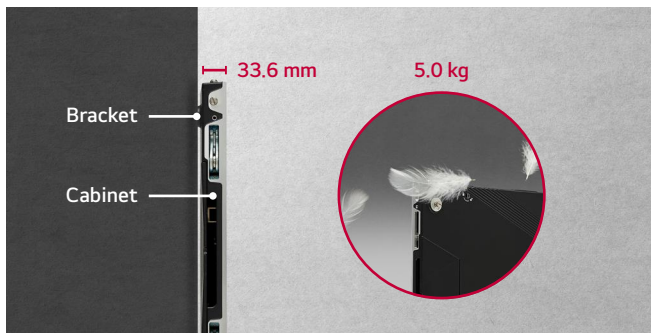
4K HDR

Energy Efficiency

Flexible Design
(90° Corner Design, Curve)

LSCC	
Pixel Pitch	1.25 / 1.56 / 1.88 / 2.5 mm
Brightness	800 nit (Max.)
Weight per Cabinet	5.0 / 2.8 / 3.5 (Weight changes for different curve) kg
Service Access	Front
IP Rating Front / Rear	IP30 / IP30

Ultra Slim Depth and Lightweight

The ultra slim design, with a cabinet thickness of just 33.6 mm and a weight of only 5.0 kg*, is the standout feature of this product. This sleek and lightweight design allows the LSCC series to be seamlessly installed in a variety of venues, harmonizing effortlessly with its surroundings.

* LSCC-GZ

Stunning Picture Quality with 4K HDR

All models of the LSCC series deliver 4K HDR while maintaining 800 nits of brightness. Not only do they offer a great contrast ratio and wide viewing angle, but the 4K HDR feature also ensures stunning picture quality.
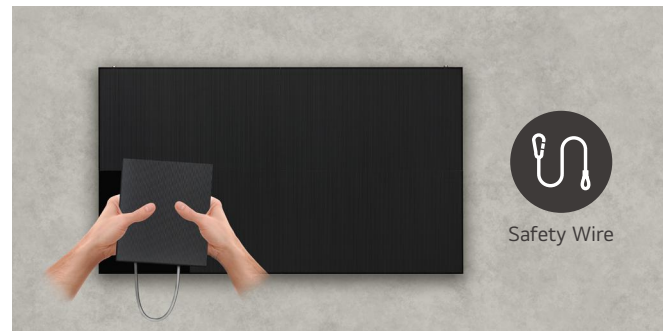
* This feature is only supported when using LG's controller, CVCA.

Superior Energy Efficiency

The LSCC series improves power consumption by 16% to 25%, depending on pitch models, delivering both energy efficiency and lower operating costs. Consequently, the LSCC series stands as the second most energy-efficient model in LG's indoor PKG lineup as of Aug 2024.

* Power consumption improvement is compared to the LG LSCB model.

Attachable Wire Hooks for Modules

All modules come with wire holders attached to the back, allowing wires to be secured for installation on ceilings, walls, or other surfaces as needed. Simply attach a safety wire to prevent the module from falling, providing safety.

* Wires can be ordered separately as accessories.

Conventional   90° Corner Option Applied

90° Corner Design Available

By adding the 90° corner option, the LSCC series seamlessly integrates into any space, delivering smooth content to customers. Additionally, elegantly curved LED screens can be implemented as an option.

Compatibility with LG Software Solutions

When connected with LG's CVCA system controller, the LSCC 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)

SPECIFICATIONS

		LSCC012-GZ	LSCC015-GZ	LSCC018-GZ	LSCC025-GZ
	Pitch Name	P1.25	P1.56	P1.88	P2.5
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.25	1.56	1.88	2.50
	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)	0.31	0.31	0.31	0.56
	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 × 33.6	600 × 337.5 × 33.6	600 × 337.5 × 33.6	600 × 337.5 × 33.6
	Cabinet Surface Area (m²)	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.0	5.0	5.0	5.0
	Weight per Square Meter (kg/m²)	24.69	24.69	24.69	24.69
	Physical Pixel Density (pixels/m²)	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	Max. 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	97%	97%	97%	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.)	112	112	96	84
	Power Consumption (W/Cabinet, Avg.)	37	37	32	28
	Power Consumption (W/m², Max.)	553	553	474	415
	Heat Dissipation (BTU/h/Cabinet, Max.)	382	382	328	287
	Heat Dissipation (BTU/h/Cabinet, Avg.)	127	127	109	96
	Heat Dissipation (BTU/h/m², Max.)	1,887	1,887	1,618	1,415
	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 Part7 Class1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA			
90 Degree Corner Cut		Yes			

CVCA (Controller)

Max Output Range	Cabinet	LSCC-GZ, LSCC-CZ, LSCC-CZF
	Loading Capacity	3,840 × 2,160 @ 60 Hz
	Output Resolution	8.2944 Million Pixels
Input		HDMI 2.0, HDCP 2.2, DP 1.2 / HDCP 1.3, OPS
Output		Ethernet (To LED Screen (16-channel))
Control		LAN, USB, RS-232C (LOOP)
Sensor		Temperature (Embedded Sensor)
Video Processing		Brightness Adjustment, Chroma Adjustment, Improved Grayscale at Low Brightness, Scaling, HDR10 Pro
Application		SuperSign CMS, webOS API, LG ConnectedCare[1], Configuration SW (LED Assistant)
Mechanical	Size (W × H × D, mm)	443 × 63 × 307.5
	Weight (kg)	4.9

[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.

SPECIFICATIONS

		LSCC012-CZ	LSCC015-CZ	LSCC018-CZ	LSCC025-CZ
	Pitch Name	P1.25	P1.56	P1.88	P2.5
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.25	1.56	1.88	2.50
	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)	0.31	0.31	0.31	0.56
	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 × 32.6	300 × 337.5 × 32.6	300 × 337.5 × 32.6	300 × 337.5 × 32.6
	Cabinet Surface Area (m²)	0.1	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	2.8	2.8	2.8	2.8
	Weight per Square Meter (kg/m²)	27.65	27.65	27.65	27.16
	Physical Pixel Density (pixels/m²)	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	Max. 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	97%	97%	97%	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.)	54	54	48	45
	Power Consumption (W/Cabinet, Avg.)	18	18	16	15
	Power Consumption (W/m², Max.)	533	533	474	444
	Heat Dissipation (BTU/h/Cabinet, Max.)	184	184	164	154
	Heat Dissipation (BTU/h/Cabinet, Avg.)	61	61	55	51
	Heat Dissipation (BTU/h/m², Max.)	1,820	1,820	1,618	1,517
	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 Part7 Class1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA			
90 Degree Corner Cut		Yes			

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SPECIFICATIONS

		LSCC012-CZF	LSCC015-CZF	LSCC018-CZF	LSCC025-CZF
	Pitch Name	P1.25	P1.56	P1.88	P2.5
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.25	1.56	1.88	2.50
	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)	0.60	0.60	0.60	1.10
	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)	300×337.5×61.8 (Max.) (Cabinet mounting depth changes for different curve)	300×337.5×61.8 (Max.) (Cabinet mounting depth changes for different curve)	300×337.5×61.8 (Max.) (Cabinet mounting depth changes for different curve)	300×337.5×61.8 (Max.) (Cabinet mounting depth changes for different curve)
	Cabinet Surface Area (m²)	0.1	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	3.5 (Weight changes for different curve)	3.5 (Weight changes for different curve)	3.5 (Weight changes for different curve)	3.4 (Weight changes for different curve)
	Weight per Square Meter (kg/m²)	33.98	33.98	33.98	33.58
	Physical Pixel Density (pixels/m²)	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	Max. 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	97%	97%	97%	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.)	54	54	48	45
	Power Consumption (W/Cabinet, Avg.)	18	18	16	15
	Power Consumption (W/m², Max.)	533	533	474	444
	Heat Dissipation (BTU/h/Cabinet, Max.)	184	184	164	154
	Heat Dissipation (BTU/h/Cabinet, Avg.)	61	61	55	51
	Heat Dissipation (BTU/h/m², Max.)	1,820	1,820	1,618	1,517
	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 Part7 Class1, EN13501-1			
Environment		RoHS, REACH			
Controller		CVCA			
90 Degree Corner Cut		No			

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