



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



## Indoor LED LSCC Series

# LSCC Ultra Slim Series



Ultra Slim Depth  
and Lightweight



4K HDR



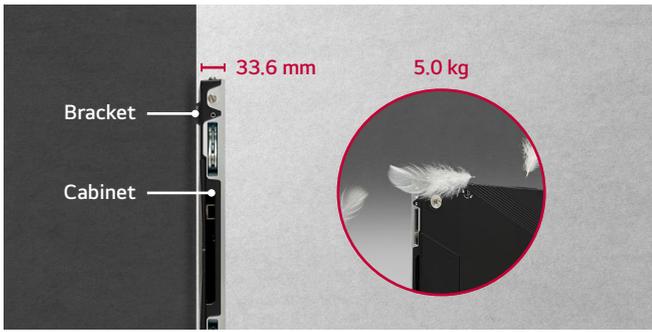
Energy Efficiency



Flexible Design  
(90° Corner Design, Curve)

### LSCC

Pixel Pitch	1.25 / 1.56 / 1.88 / 2.5 mm
Brightness	800 nits (Max.)
Weight per Cabinet	5.0 / 2.8 / 3.5 (Weight changes for different curve) / 5.1 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

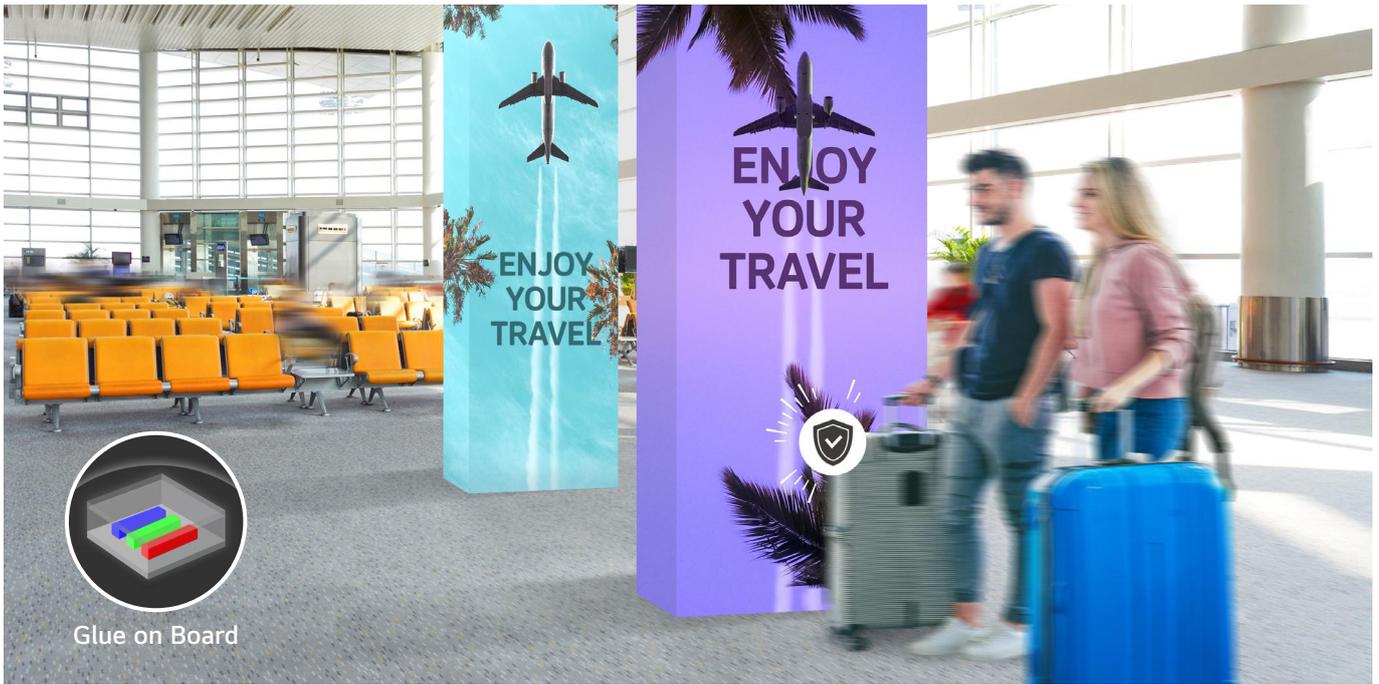


90° Corner Option Applied

## 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.

\* The images above are for illustrative purposes only.



## GOB (Glue on Board) Protection Option

It features a special polymer coating for anti-scratch and anti-static protection, helping to reduce the risk of pixel damage from accidental touches or impacts.

\* The GOB protection feature is optionally available for the following models: LSCC012-GZG, LSCC015-GZG, LSCC018-GZG, LSCC025-GZG.



## Compatibility with LG Software Solutions

When connected with LG's CVCA/CBCA 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
<b>Pitch Name</b>		P1.25	P1.56	P1.88	P2.5
<b>Physical Parameters</b>	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 (m <sup>2</sup> )	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/m <sup>2</sup> )	24.69	24.69	24.69	24.69
	Physical Pixel Density (pixels/m <sup>2</sup> )	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
<b>Optical Specifications</b>	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)
<b>Electrical Specifications</b>	Power Consumption (W/Cabinet, Max.)	112	112	96	84
	Power Consumption (W/Cabinet, Avg.)	37	37	32	28
	Power Consumption (W/m <sup>2</sup> , 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/m <sup>2</sup> , 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
<b>Operation Specifications</b>	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
<b>Standard</b>	Certification	CE, FCC, ETL, EMC Class-A			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
<b>Environment</b>		RoHS, REACH			
<b>Controller</b>		CVCA, CBCA			
<b>90-degree Corner Cut</b>		Yes			

\* 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
<b>Pitch Name</b>		P1.25	P1.56	P1.88	P2.5
<b>Physical Parameters</b>	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 (m <sup>2</sup> )	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/m <sup>2</sup> )	27.65	27.65	27.65	27.16
	Physical Pixel Density (pixels/m <sup>2</sup> )	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
<b>Optical Specifications</b>	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)
<b>Electrical Specifications</b>	Power Consumption (W/Cabinet, Max.)	54	54	48	45
	Power Consumption (W/Cabinet, Avg.)	18	18	16	15
	Power Consumption (W/m <sup>2</sup> , 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/m <sup>2</sup> , 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
<b>Operation Specifications</b>	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
<b>Standard</b>	Certification	CE, FCC, ETL, EMC Class-A			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
<b>Environment</b>		RoHS, REACH			
<b>Controller</b>		CVCA, CBCA			
<b>90-degree Corner Cut</b>		Yes			

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

## SPECIFICATIONS

		LSCC012-CZF	LSCC015-CZF	LSCC018-CZF	LSCC025-CZF
<b>Pitch Name</b>		P1.25	P1.56	P1.88	P2.5
<b>Physical Parameters</b>	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 (m <sup>2</sup> )	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/m <sup>2</sup> )	33.98	33.98	33.98	33.58
	Physical Pixel Density (pixels/m <sup>2</sup> )	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
<b>Optical Specifications</b>	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)			
<b>Electrical Specifications</b>	Power Consumption (W/Cabinet, Max.)	54	54	48	45
	Power Consumption (W/Cabinet, Avg.)	18	18	16	15
	Power Consumption (W/m <sup>2</sup> , 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/m <sup>2</sup> , 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
<b>Operation Specifications</b>	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
<b>Standard</b>	Certification	CE, FCC, ETL, EMC Class-A			
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1			
<b>Environment</b>		RoHS, REACH			
<b>Controller</b>		CVCA, CBCA			
<b>90-degree Corner Cut</b>		No			

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

## SPECIFICATIONS

		LSCC012-GZG	LSCC015-GZG	LSCC018-GZG	LSCC025-GZG
<b>Pitch Name</b>		P1.25	P1.56	P1.88	P2.5
<b>Physical Parameters</b>	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 (m <sup>2</sup> )	0.2	0.2	0.2	0.2
	Weight per Cabinet (kg/Cabinet)	5.1	5.1	5.1	5.1
	Weight per Square Meter (kg/m <sup>2</sup> )	24.94	24.94	24.94	24.94
	Physical Pixel Density (pixels/m <sup>2</sup> )	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
<b>Optical Specifications</b>	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)
<b>Electrical Specifications</b>	Power Consumption (W/Cabinet, Max.)	112	112	96	84
	Power Consumption (W/Cabinet, Avg.)	37	37	32	28
	Power Consumption (W/m <sup>2</sup> , Max.)	553	553	474	415
	Heat Dissipation (BTU/h/Cabinet, Max.)	306	306	262	229
	Heat Dissipation (BTU/h/Cabinet, Avg.)	102	102	87	76
	Heat Dissipation (BTU/h/m <sup>2</sup> , Max.)	1,510	1,510	1,294	1,132
	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
<b>Operation Specifications</b>	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
<b>Standard</b>	Certification	CE, FCC, ETL, EMC Class-A			
<b>Environment</b>		RoHS, REACH			
<b>Controller</b>		CVCA, CBCA			
<b>90-degree Corner Cut</b>		Yes			

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

## SPECIFICATIONS (CONTROLLER)

Cabinet		CVCA	CBCA
		LSCC Series	LSCC 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 <sup>1)</sup>	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

<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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