

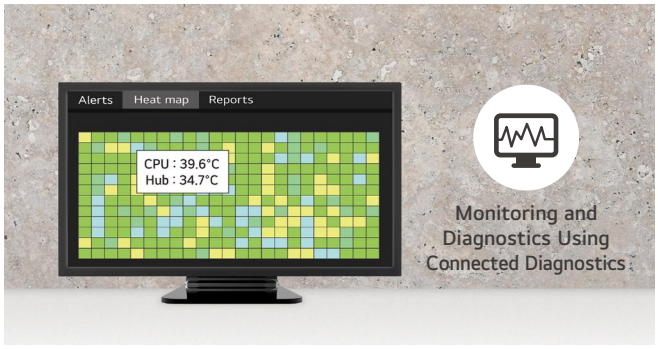
* All images in this datasheet are for illustrative purposes only.

Indoor LED LSCD Series

LG's Standard Indoor LED Display with Megapixel HELIOS LED Processing Platform

- Power UI/UX with Megapixel HELIOS LED Processing Platform
- Ultra Slim Depth and Lightweight
- Energy Efficiency
- Flexible Design (Optional)

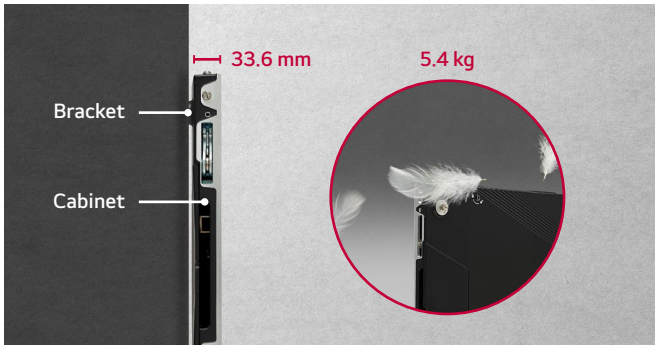
LSCD	
Pixel Pitch	1.25 / 1.56 mm
Brightness	800 nits (Max., After Calibration)
Weight per Cabinet	5.0 / 2.8 / 3.5 (Weight changes for different curve) kg
Service Access	Front
IP Rating Front / Rear	IP30 / IP30



Powerful UI/UX with Megapixel HELIOS LED Processing Platform

With the Megapixel HELIOS LED Processing Platform, the LSCD series now has the ability to leverage advanced UX and UI functionalities, including monitoring and diagnostics through connected systems.

* Megapixel HELIOS LED Processing Platform needs to be purchased separately.



Ultra Slim Depth and Lightweight

The ultra slim design, with a cabinet thickness of just 33.6 mm and a weight of only 5.4 kg*, is the standout feature of this product. This sleek and lightweight design allows the LSCD series to be seamlessly installed in a variety of venues, harmonizing effortlessly with its surroundings.

* LSCD012/015-GK



Superior Energy Efficiency

The LSCD series improves power consumption by 16% to 25%*, depending on pitch models, delivering both energy efficiency and lower operating costs.

* Based on internal testing conducted in accordance with internal test conditions, both the LSCB and LSCD models were tested in Full White output mode at maximum LED brightness.
* Power consumption improvement is compared to the LG LSCB model.
* Actual performance may vary depending on the usage environment.



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.



Various Design Available

The LSCD series seamlessly integrates into any space, delivering smooth content to customers. Additionally, elegantly curved LED screens can be implemented as an option.

SPECIFICATIONS

		LSCD012-GK	LSCD015-GK	LSCD012-CK	LSCD015-CK	LSCD012-CKF	LSCD015-CKF
Pitch Name		P1.25	P1.56	P1.25	P1.56	P1.25	P1.56
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	1.25	1.56	1.25	1.56	1.25	1.56
	Module Resolution (W × H)	240 × 135	192 × 108	240 × 135	192 × 108	240 × 135	192 × 108
	Module Dimensions (W × H, mm)	300 × 168.75	300 × 168.75	300 × 168.75	300 × 168.75	300 × 168.75	300 × 168.75
	Weight per Module (kg)	0.31	0.31	0.31	0.31	0.60	0.60
	No. of Modules per Cabinet (W × H)	2 × 2	2 × 2	1 × 2	1 × 2	1 × 2	1 × 2
	Cabinet Resolution (W × H)	480 × 270	384 × 216	240 × 270	192 × 216	240 × 270	192 × 216
	Cabinet Dimensions (W × H × D, mm)	600 × 337.5 × 33.6	600 × 337.5 × 33.6	300 × 337.5 × 32.6	300 × 337.5 × 32.6	300 × 337.5 × 61.8 (Cabinet mounting depth depends)	300 × 337.5 × 61.8 (Cabinet mounting depth depends)
	Cabinet Surface Area (m^2)	0.2	0.2	0.1	0.1	0.1	0.1
	Weight per Cabinet (kg/Cabinet)	5.0	5.0	2.8	2.8	3.5 (Weight changes for different curve)	3.5 (Weight changes for different curve)
	Weight per Square Meter (kg/m^2)	24.4	24.4	27.7	27.7	34	34
	Physical Pixel Density ($pixels/m^2$)	640,000	409,600	640,000	409,600	640,000	409,600
	Flatness of Cabinet (mm)	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
	Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
	Service Access	Front	Front	Front	Front	Front	Front
Optical Specifications	Brightness (After Calibration, nit)	Max. 800	Max. 800	Max. 800	Max. 800	Max. 800	Max. 800
	Color Temperature (K)	3,500-9,000 (Default : 6,500)	3,500-9,000 (Default : 6,500)	3,500-9,000 (Default : 6,500)	3,500-9,000 (Default : 6,500)	3,500-9,000 (Default : 6,500)	3,500-9,000 (Default : 6,500)
	Visual Viewing Angle (H × V)	160 × 160	160 × 160	160 × 160	160 × 160	160 × 160	160 × 160
	Brightness Uniformity	97%	97%	97%	97%	97%	97%
	Color Uniformity	±0.003 Cx,Cy	±0.003 Cx,Cy	±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	5,000 : 1	5,000 : 1
	Processing Depth (bit)	13 (HDR10, HDR10 Pro)	13 (HDR10, HDR10 Pro)	13 (HDR10, HDR10 Pro)	13 (HDR10, HDR10 Pro)	13 (HDR10, HDR10 Pro)	13 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	112	112	54	54	54	54
	Power Consumption (W/Cabinet, Avg.)	37	37	18	18	18	18
	Power Consumption (W/m^2, Max.)	553	553	533	533	533	533
	Heat Dissipation (BTU/h/Cabinet, Max.)	382	382	184	184	184	184
	Heat Dissipation (BTU/h/Cabinet, Avg.)	126	126	61	61	61	61
	Heat Dissipation ($BTU/h/m^2$, Max.)	1,886	1,886	1,816	1,816	1,816	1,816
	Power Supply (V)	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	3,840	3,840	3,840	3,840	3,840	3,840
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-10 to +45	-10 to +45	-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	0-80% RH	0-80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30	IP30 / IP30
Standard	Certification	CE, FCC, ETL, EMC Class A					
	Certification (Fire Protection)	BS476 Part 7 Class 1, EN13501-1					
Environment		RoHS, REACH					
Controller		Megapixel HELIOS					
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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