



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

Outdoor LED GSPB Series

Outdoor Signage for Medium-Range Attraction

Engage Passersby with Eye-Catching Displays.



A Variety of
Cabinet Sizes



90° Degree
Corner Cut Design



Easy Installation
and Maintenance



High Brightness
for Outdoor



Compatibility with
LG Software Solutions

GSPB

Pixel Pitch	3.91 mm
Brightness	8,000 nits (Max., After Calibration)
Service Access	Front and Rear
IP Rating Front / Rear	IP65 / IP65



Medium-Range Attraction

Designed for medium-range applications, the GSPB series model excels at drawing attention from a moderate distance. Perfect for shopping malls and low-rise building exteriors, it ensures your message is seen with just a glance upward.



Enhanced Energy Efficiency

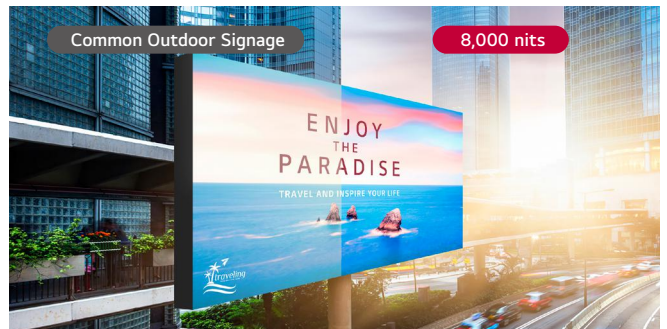
Compared to LG's previous standard model, the brightness has increased by 3,000 nits while maintaining slightly lower power consumption levels. This means that the display is both brighter and more energy-efficient, which can help save on operating costs.

* The comparison is with the GSCD39-KK model. GSCD039-KK : 660 W/sqm, GSPB039-CA : 630 W/sqm



Flexible Installation

The GSPB series offers two sizes of cabinets, allowing for a screen size configuration that perfectly meets customer demands. Both side-cut cabinets can also be used as described. The GSPB series integrates seamlessly into the space and delivers smooth content to customers.



High Brightness for Outdoor

With a great brightness of 8,000 nits, it clearly delivers content and attracts public attention, which is the suitable display for outdoor visibility.



Compatibility with LG Software Solutions

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

* 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 : Main Board (Temp., Signal Status, FPGA Ver, Ethernet Connection Status), Receiving Card (Temp., LED Power)

* Actual GUI may vary in different webOS versions. * LG Software solutions needs to be purchased separately.

SPECIFICATIONS

		GSPB039-CA	GSPB039-CAC	GSPB039-CB	GSPB039-CBC
Pitch Name		P3.9	P3.9	P3.9	P3.9
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	3.91	3.91	3.91	3.91
	Module Resolution (W × H)	128 × 64	128 × 64	128 × 64	128 × 64
	Module Dimensions (W × H, mm)	500 × 250	500 × 250	500 × 250	500 × 250
	Weight per Module (kg)	1.6	1.6	1.6	1.6
	No. of Modules per Cabinet (W × H)	2 × 4	2 × 4	1 × 2	1 × 2
	Cabinet Resolution (W × H)	256 × 256	256 × 256	128 × 128	128 × 128
	Cabinet Dimensions (W × H × D, mm)	1,000 × 1,000 × 87	1,000 × 1,000 × 87	500 × 500 × 83	500 × 500 × 83
	Cabinet Surface Area (m ²)	1	1	0.25	0.25
	Weight per Cabinet (kg/Cabinet)	23	23	8	8
	Weight per Square Meter (kg/m ²)	23	23	32	32
	Physical Pixel Density (pixels/m ²)	65,536	65,536	65,536	65,536
	Flatness of Cabinet (mm)	±0.5	±0.5	±0.5	±0.5
	Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum
	Service Access	Front and Rear	Front and Rear	Front and Rear	Front and Rear
Optical Specifications	Brightness (After Calibration, nit)	8,000 (Max.)	8,000 (Max.)	8,000 (Max.)	8,000 (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 × 155	160 × 155	160 × 155	160 × 155
	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	20,000 : 1	20,000 : 1	20,000 : 1	20,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	630	630	158	158
	Power Consumption (W/Cabinet, Avg.)	210	210	53	53
	Power Consumption (W/m ² , Max.)	630	630	630	630
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,150	2,150	539	539
	Heat Dissipation (BTU/h/Cabinet, Avg.)	717	717	181	181
	Heat Dissipation (BTU/h/m ² , Max.)	2,150	2,150	2,150	2,150
	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)	7,680	7,680	7,680	7,680
Operation Specifications	Lifetime (Half Brightness)	100,000	100,000	100,000	100,000
	Operating Temperature (°C)	-30 to +50	-30 to +50	-30 to +50	-30 to +50
	Operating Humidity	10-99% RH	10-99% RH	10-99% RH	10-99% RH
	IP Rating Front / Rear	IP65 / IP65	IP65 / IP65	IP65 / IP65	IP65 / IP65
Standard	Certification	CE, ETL, FCC, CB (TBD), BIS (TBD), KC (TBD), EMC Class A	CE, ETL, FCC, CB (TBD), BIS (TBD), KC (TBD), EMC Class A	CE, ETL, FCC, CB (TBD), BIS (TBD), KC (TBD), EMC Class A	CE, ETL, FCC, CB (TBD), BIS (TBD), KC (TBD), EMC Class A
	Certification (Fire Protection)	BS476 Part 7 Class 2, EN13501-1 Class B	BS476 Part 7 Class 2, EN13501-1 Class B	BS476 Part 7 Class 2, EN13501-1 Class B	BS476 Part 7 Class 2, EN13501-1 Class B
Environment		RoHS, REACH	RoHS, REACH	RoHS, REACH	RoHS, REACH
Controller		CVCA / CBCA / LCIN	CVCA / CBCA / LCIN	CVCA / CBCA / LCIN	CVCA / CBCA / LCIN
90 Degree Corner Cut		No	Both Cut	No	Both Cut

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

SPECIFICATIONS (CONTROLLER)

		CVCA	CBCA
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.

		LCIN006	LCIN007	LCIN008	LCIN009	LCIN010
Max Output Range	Loading Capacity	1,920 × 1,200 @ 60 Hz	1,920 × 1,200 @ 60 Hz	4,096 × 2,160 @ 60 Hz	1,920 × 1,200 @ 60 Hz	1,920 × 1,200 @ 60 Hz
	Max Output Range (Maximum Width / Height)	3,840 / 2,560 Pixels	3,840 / 2,560 Pixels	7,680 / 7,680 Pixels	3,840 / 2,560 Pixels	3,840 / 2,560 Pixels
	Output Resolution	2.304 Million Pixels	2.304 Million Pixels	8.8 Million Pixels	2.304 Million Pixels	2.304 Million Pixels
Input	HDMI	HDMI 1.3	HDMI 1.3	HDMI 2.0	HDMI 1.4	No
	HDCP	HDCP 1.4	HDCP 1.4	HDCP 1.4 / 2.2	HDCP 1.4	No
	DP	No	No	DP 1.2 / HDCP 1.3	No	No
	DVI	Yes	Yes	Yes (2-channel)	Yes	Yes
	SDI / ST2110	No	No	No	Yes (1-channel 3G-SDI)	No
Output	HDMI	No / Yes (LOOP)	No / Yes (LOOP)	No	Yes (LOOP)	No
	DVI	No / Yes (LOOP)	No / Yes (LOOP)	No	Yes (LOOP)	No / Yes (LOOP)
	Fiber Optic (To LED Screen)	No	No	Yes (4-channel)	Yes (2-channel)	No / Yes (Optional)
	Ethernet (To LED Screen)	Yes (4-channel)	Yes (4-channel)	Yes (16-channel)	Yes (6-channel)	Yes (4-channel)
Control	LAN	No	No	Yes	Yes	Yes
	USB	Yes	Yes	Yes (LOOP)	Yes	Yes
	RS-232C	No / Yes (LOOP)	No / Yes (LOOP)	No	No	Yes
	GenLock	No	No	Yes	Yes	No
Sensor	Ambient Light (External Sensor)	Yes	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)
	Temperature (External Sensor)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)	No / Yes (Must use together with MFN300B)
Video Processing	Brightness Adjustment	Yes	Yes	Yes	Yes	Yes
	Chroma Adjustment	Yes	Yes	Yes	Yes	Yes
	Improved Grayscale at Low Brightness	No	No	Yes	Yes	No
	HDR	No	No	HDR10 / HLG	No	No
	EDID Custom	Yes	Yes	Yes	Yes	Yes
Application	Configuration SW	NovaLCT	NovaLCT	NovaLCT	NovaLCT	NovaLCT
Mechanical	Size (W × H × D, mm)	482 × 44.4 × 250	483 × 55.3 × 258.1	482.6 × 96 × 372	482.6 × 50.1 × 356	428 × 44.4 × 250
	Weight (kg)	2.9 / 3.6	2.9 / 3.6	4.6	4.6	2.9 / 3.7

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