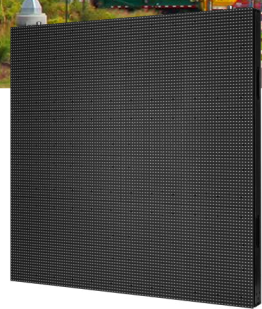





* All images in this datasheet are for illustrative purposes only.





Outdoor LED GSEG

Ultra High Brightness Series

 High Brightness for Outdoor

 Available for Curved Screen

 Easy Installation and Maintenance

 Compatibility with LG Software Solutions

GSEG

Pixel Pitch 5.95 / 8.33 / 10.42 mm

Brightness 7,000 / 6,000 / 10,000 nit

Weight per Cabinet 25.0 kg/Cabinet

Service Access Front and Rear

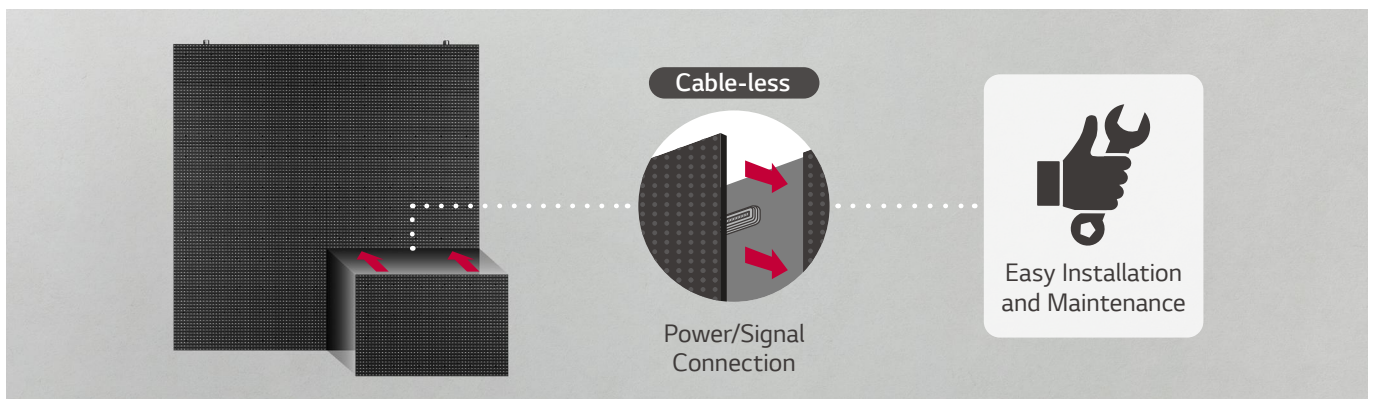
IP Rating IP66



High Brightness for Outdoor

Optionally, users can choose among the three models : GSEG-GN(6,000 nits), GSEG-GR(7,000 nits) and GSEG-GS(10,000 nits). It also can be optimized for screen time, region, regulations, and power consumption etc. depending on different environmental conditions.

* Brightness options are set before shipment from the factory, and cannot be changed after installation.



Easy Installation and Maintenance

It comes with a guide pin to make easy adjustment for the upper and lower side of cabinet. With optimum cable-less design, it connects the LED module and the system part of the cabinet with no cables, allowing simple power/signal connection to be automatically completed when LED module is installed. Fully enclosed connection improves its hardware reliability as well.



Compatibility with LG Software Solutions

When connected with LG's CVEA system controller, the GSEG 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

		GSEG060-GR	GSEG083-GR	GSEG100-GR
Pitch Name		P5.95	P8.33	P10.42
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	5.95	8.33	10.42
	Module Resolution (W × H)	84 × 56	60 × 40	48 × 32
	Module Dimensions (W × H, mm)	500 × 333.33	500 × 333.33	500 × 333.33
	Weight per Module (kg)	2.05	2.05	2.05
	No. of Modules per Cabinet (W × H)	2 × 3	2 × 3	2 × 3
	Cabinet Resolution (W × H)	168 × 168	120 × 120	96 × 96
	Cabinet Dimensions (W × H × D, mm)	1,000 × 1,000 × 105	1,000 × 1,000 × 105	1,000 × 1,000 × 105
	Cabinet Surface Area (m ²)	1.000	1.000	1.000
	Weight per Cabinet (kg/Cabinet)	25.0	25.0	25.0
	Weight per Square Meter (kg/m ²)	25.0	25.0	25.0
	Physical Pixel Density (pixels/m ²)	28,224	14,400	9,216
	Flatness of Cabinet (mm)	±1.0	±1.0	±1.0
	Cabinet Material	Al	Al	Al
Service Access	Front and Rear	Front and Rear	Front and Rear	
Optical Specifications	Max Brightness (After Calibration, nit)	7,000	7,000	7,000
	Color Temperature (K)	3,200-9,300	3,200-9,300	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 115	160 × 120	160 × 130
	Brightness Uniformity	97%	97%	97%
	Color Uniformity	±0.05 Cx, Cy	±0.05 Cx, Cy	±0.05 Cx, Cy
	Contrast Ratio	5,000 : 1	7,000 : 1	9,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	650	650	650
	Power Consumption (W/Cabinet, Avg.)	260	260	260
	Power Consumption (W/m ² , Max.)	650	650	650
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,218	2,218	2,218
	Heat Dissipation (BTU/h/Cabinet, Avg.)	887	887	887
	Heat Dissipation (BTU/h/m ² , Max.)	2,218	2,218	2,218
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	5,040	7,680	7,680
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-30 to +50	-30 to +50	-30 to +50
	Operating Humidity	0-90% RH	0-90% RH	0-90% RH
	IP Rating Front / Rear	IP66 / IP66	IP66 / IP66	IP66 / IP66
Certification	CE / FCC / ETL	CE / FCC / ETL	CE / FCC / ETL	
Environment	RoHS, REACH	RoHS, REACH	RoHS, REACH	
Controller	CVEA	CVEA	CVEA	
90 Degree Corner Cut	Yes	Yes	Yes	

SPECIFICATIONS

		GSEG060-GN	GSEG083-GN	GSEG100-GN
	Pitch Name	P5.95	P8.33	P10.42
Physical Parameters	Pixel Configuration	Single SMD	Single SMD	Single SMD
	Pixel Pitch (mm)	5.95	8.33	10.42
	Module Resolution (W × H)	84 × 56	60 × 40	48 × 32
	Module Dimensions (W × H, mm)	500 × 333.33	500 × 333.33	500 × 333.33
	Weight per Module (kg)	2.05	2.05	2.05
	No. of Modules per Cabinet (W × H)	2 × 3	2 × 3	2 × 3
	Cabinet Resolution (W × H)	168 × 168	120 × 120	96 × 96
	Cabinet Dimensions (W × H × D, mm)	1,000 × 1,000 × 105	1,000 × 1,000 × 105	1,000 × 1,000 × 105
	Cabinet Surface Area (m ²)	1.000	1.000	1.000
	Weight per Cabinet (kg/Cabinet)	25.0	25.0	25.0
	Weight per Square Meter (kg/m ²)	25.0	25.0	25.0
	Physical Pixel Density (pixels/m ²)	28,224	14,400	9,216
	Flatness of Cabinet (mm)	±1.0	±1.0	±1.0
	Cabinet Material	Al	Al	Al
Service Access	Front and Rear	Front and Rear	Front and Rear	
Optical Specifications	Max Brightness (After Calibration, nit)	6,000	6,000	6,000
	Color Temperature (K)	3,200-9,300	3,200-9,300	3,200-9,300
	Visual Viewing Angle (H × V)	160 × 115	160 × 120	160 × 130
	Brightness Uniformity	97%	97%	97%
	Color Uniformity	±0.05 Cx, Cy	±0.05 Cx, Cy	±0.05 Cx, Cy
	Contrast Ratio	4,000 : 1	6,000 : 1	8,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	680	680	680
	Power Consumption (W/Cabinet, Avg.)	272	272	272
	Power Consumption (W/m ² , Max.)	680	680	680
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,321	2,321	2,321
	Heat Dissipation (BTU/h/Cabinet, Avg.)	928	928	928
	Heat Dissipation (BTU/h/m ² , Max.)	2,321	2,321	2,321
	Power Supply (V)	100 to 240	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60	50 / 60
	Refresh Rate (Hz)	5,040	7,680	7,680
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000	100,000
	Operating Temperature (°C)	-30 to +50	-30 to +50	-30 to +50
	Operating Humidity	0-90% RH	0-90% RH	0-90% RH
	IP Rating Front / Rear	IP66 / IP66	IP66 / IP66	IP66 / IP66
Certification	CE / FCC / ETL	CE / FCC / ETL	CE / FCC / ETL	
Environment	RoHS, REACH	RoHS, REACH	RoHS, REACH	
Controller	CVEA	CVEA	CVEA	
90 Degree Corner Cut	Yes	Yes	Yes	

SPECIFICATIONS

GSEG100-GS

Pitch Name		P10.42
Physical Parameters	Pixel Configuration	Single SMD RS3535
	Pixel Pitch (mm)	10.42
	Module Resolution (W × H)	48 × 32
	Module Dimensions (W × H, mm)	500 × 333.33
	Weight per Module (kg)	2.05
	No. of Modules per Cabinet (W × H)	2 × 3
	Cabinet Resolution (W × H)	96 × 96
	Cabinet Dimensions (W × H × D, mm)	1,000 × 1,000 × 105
	Cabinet Surface Area (m ²)	1.000
	Weight per Cabinet (kg/Cabinet)	25.0
	Weight per Square Meter (kg/m ²)	25.0
	Physical Pixel Density (pixels/m ²)	9,216
	Flatness of Cabinet (mm)	±1.0
	Cabinet Material	Al
	Service Access	Front and Rear
Optical Specifications	Max Brightness (After Calibration, nit)	10,000
	Color Temperature (K)	3,500-8,500
	Visual Viewing Angle (H × V)	160 × 130
	Brightness Uniformity	97%
	Color Uniformity	±0.05 Cx, Cy
	Contrast Ratio	14,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	800
	Power Consumption (W/Cabinet, Avg.)	320
	Power Consumption (W/m ² , Max.)	800
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,730
	Heat Dissipation (BTU/h/Cabinet, Avg.)	1,092
	Heat Dissipation (BTU/h/m ² , Max.)	2,730
	Power Supply (V)	100 to 240
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	7,680
Operation Specifications	LED Lifetime (Half Brightness)	100,000
	Operating Temperature (°C)	-30 to +50
	Operating Humidity	0-90% RH
	IP Rating Front / Rear	IP66 / IP66
Certification		CE / FCC / ETL
Environment		RoHS, REACH
Controller		CVEA
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.



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