




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





**Outdoor LED** GPEJ

# Outdoor LED for Stadium Perimeter


 Design for Various Situations in Field

 Protective Design for Players

 Outstanding Visibility

 Smooth Playback in Dynamic Motion

 Reliable Weatherproof Design

 Compatibility with LG Software Solutions

GPEJ	
Pixel Pitch	10 mm
Brightness	6,000 nit
Weight per Cabinet	55 kg/Cabinet
Service Access	Front and Rear
IP Rating	IP65





## Design for Various Situations in Field

There are several rollers and hinges put in multiple places to allow immediate access to the site from the outside in the case of an emergency, making it easy and convenient to create a safety gate and emergency exit.



## Protective Design for Players

Taking into consideration the safety of players and staff, GPEJ series has been specially designed with rubber louvers attached in front of the cabinet and EVA Top to prevent serious injury.

\* GPEJ is built to UEFA specifications.

\* EVA(Ethylene-vinyl acetate) is an elastomeric polymer that produces materials which are "rubber-like" in softness and flexibility.



## Outstanding Visibility

Offering a powerful 6,000 nits of brightness, this super-bright display excels outdoors even in direct sunlight, instantly capturing attention and effectively delivering content.



## Smooth Playback in Dynamic Motion

GPEJ series with a high refresh rate of 7,680 Hz gives viewers a clearer view by reducing the black bars, blurring, and flickering that commonly occur during video playback.

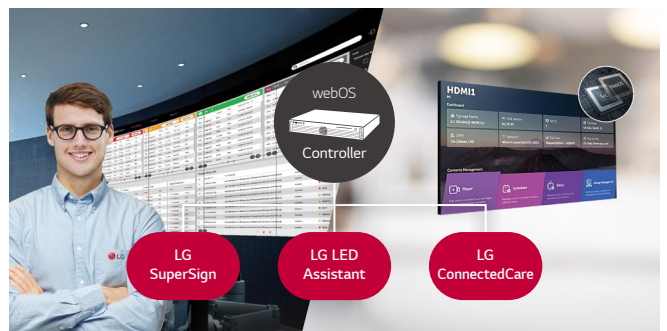
\* It shows a higher refresh rate than 4,000 Hz in the existing LBB series.



## Reliable Weatherproof Design

The front and back of the unit case are both IP65 certified, allowing for stable operation in rainy and dusty environment.

\* IP65 test was conducted by swashing water on the front and back of the product for 10 minutes.



## Compatibility with LG Software Solutions

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

## GPEJ100-GN

Pitch Name		P10.0
Physical Parameters	Pixel Configuration	Single SMD
	Pixel Pitch (mm)	10.00
	Module Resolution (W × H)	40 × 30
	Module Dimensions (W × H, mm)	400 × 300
	Weight per Module (kg)	1.65
	No. of Modules per Cabinet (W × H)	4 × 3
	Cabinet Resolution (W × H)	160 × 90
	Cabinet Dimensions (W × H × D, mm)	1,600 × 900 × 105
	Cabinet Surface Area (m <sup>2</sup> )	1.440
	Weight per Cabinet (kg/Cabinet)	55.0
	Weight per Square Meter (kg/m <sup>2</sup> )	38.2
	Physical Pixel Density (pixels/m <sup>2</sup> )	14,400
	Flatness of Cabinet (mm)	±1.0
	Cabinet Material	Al
	Service Access	Front and Rear
Optical Specifications	Max. Brightness (After Calibration, nit)	6,000
	Color Temperature (K)	3,500-8,500
	Visual Viewing Angle (H × V)	160 × 110
	Brightness Uniformity	97%
	Color Uniformity	±0.05 Cx, Cy
	Contrast Ratio	7,000 : 1
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	1,000
	Power Consumption (W/Cabinet, Avg.)	400
	Power Consumption (W/m <sup>2</sup> , Max.)	694
	Heat Dissipation (BTU/h/Cabinet, Max.)	3,413
	Heat Dissipation (BTU/h/Cabinet, Avg.)	1,365
	Heat Dissipation (BTU/h/m <sup>2</sup> , Max.)	2,368
	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	IP65 / IP65
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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