LG | Business Solutions

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

Outdoor LED GREF

Outdoor Ribbon Board LED

Outstanding Visibility

6000 NIT

Detailed Expression of Color Depth

Smooth Playback in Dynamic Motion

Reliable Weatherproof Design

IP65

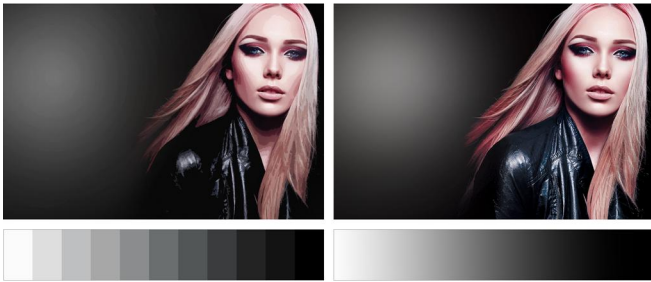| GREF	
Pixel Pitch	10 mm
Brightness	6,000 nit
Weight per Cabinet	22 kg/Cabinet
Service Access	Top
IP Rating	IP65

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

GREF 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.

Detailed Expression of Color Depth

16-bit color processing provides a higher greyscale level, which seamlessly displays different depths and densities of colors without distortion, thereby displaying more realistic and sophisticated content.

Reliable Weatherproof Design

The front and back of the unit case are both IP65 certified, allowing for stable operation unaffected by outdoor environmental factors such as wet weather and dust.

Compatibility with LG Software Solutions

When connected with LG's CVEA system controller, the GREF 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.
* SuperSign CMS service needs to be purchased separately.

SPECIFICATIONS

		GREF100-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)	2 × 3
	Cabinet Resolution (W × H)	80 × 90
	Cabinet Dimensions (W × H × D, mm)	800 × 900 × 130
	Cabinet Surface Area (m²)	0.72
	Weight per Cabinet (kg/Cabinet)	22.0
	Weight per Square Meter (kg/m²)	30.6
	Physical Pixel Density (pixels/m²)	10,000
	Flatness of Cabinet (mm)	±1.0
	Cabinet Material	Al
	Service Access	Top
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.)	500
	Power Consumption (W/Cabinet, Avg.)	200
	Power Consumption (W/m², Max.)	694
	Heat Dissipation (BTU/h/Cabinet, Max.)	1,706
	Heat Dissipation (BTU/h/Cabinet, Avg.)	683
	Heat Dissipation (BTU/h/m², 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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