



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

Outdoor DVLED GREF Series

Outdoor Ribbon Board DVLED



Outstanding Visibility



Smooth Playback in Dynamic Motion



Detailed Expression of Color Depth



Reliable Weather Resistant Design

GREF

Pixel Pitch	10 mm
Brightness	6,000 nits
Contrast Ratio	7,000:1
Service Access	Top
IP Rating	IP65



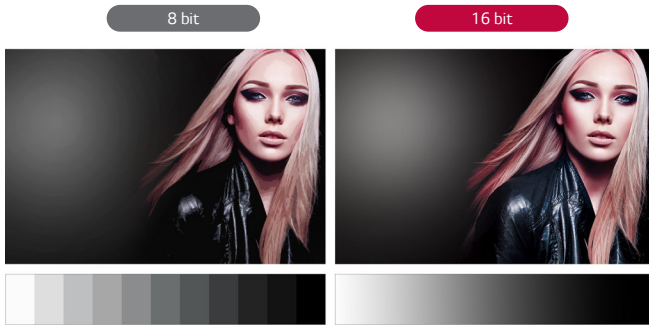
Outstanding Visibility

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

GRAF has a high refresh rate of 7,680 HZ giving viewers a clearer view by reducing the black bars, blurring, and flickering that commonly occurs during video playback.



Detailed Expression of Color Depth

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



Reliable Weather Resistant Design

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



Compatibility with LG Software Solutions

Powered by LG's high performance system controller, the LSAC series is compatible with LG software solutions including SuperSign CMS, LED Assistant, and ConnectedCare, which help customers have even more control over their systems.*

* LG ConnectedCare and LG SuperSign CMS are each sold separately. Actual user interface may vary in different webOS versions.

SPECIFICATIONS

		GRAF100-GN	GRAF100-GN2
Physical Parameters	Pitch Name	P10.0	P10.0
	Pixel Configuration	Single SMD	
	Pixel Pitch (mm)	10	
	Module Resolution (W x H)	40 x 30	
	Module Dimensions (W x H)	15.7 x 11.8 in. / 400 x 300 mm	
	Weight per Module (lbs. / kg)	3.6 / 1.65	
	No. of Modules per Cabinet (W x H)	2 x 3	2 x 4
	Cabinet Resolution (W x H)	80 x 90	80 x 120
	Cabinet Dimensions (W x H x D)	31.5 x 35.4 x 5.1 in. 800 x 900 x 130 mm	31.5 x 47.2 x 5.1 in. 800 x 1200 x 130 mm
	Cabinet Surface Area (m ²)	0.72	0.96
	Weight per Cabinet (kg/unit)	22	29.6
	Weight per Square Meter (kg/m ²)	30.56	30.83
	Physical Pixel Density (pixels/m ²)	10,000	
	Flatness of Cabinet (mm)	±1.0	
	Cabinet material	Aluminum	
Service access	Top		
Optical Specifications	Max Brightness (After Calibration, nit)	6,000	
	Color Temperature (K)	3,200 to 9,300	
	Visual Viewing Angle (Horizontal)	160°	
	Visual Viewing Angle (Vertical)	105°	
	Brightness Uniformity	0.97	
	Color Uniformity	±0.05Cx,Cy	
	Contrast Ratio	7,000:1	
	Processing Depth (bit)	16 (HDR10, HDR10 Pro)	
Electrical Specifications	Max Power Consumption per Cabinet (W)	500	667
	Avg. Power Consumption per Cabinet (W)	200	267
	Max Power Consumption (W/m ²)	694	695
	Max Heat Dissipation per Cabinet (BTU/h)	1,706	2,276
	Avg. Heat Dissipation per Cabinet (BTU/h)	683	911
	Max Heat Dissipation (BTU/h/m ²)	2,368	2,372
	Power Supply (Vac)	100 to 240	
	Frame Rate (Hz)	50 / 60	
	Refresh Rate (Hz)	7,680	
Operational Specifications	Operating Temperature (°F / °C)	-22 to 122 / -30 to 50	
	Operating Humidity	0 to 90% RH	
	IP rating Front	IP65	
	IP rating Rear	IP65	
Warranty & Other	Warranty	3 Year Limited	
	Regulatory	CE, FCC, ETL	
	Environmental	RoHS, REACH	
	Controller	CVEA	
	90 degree corner cut	Yes	