LG | Business Solutions

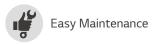* All images in this datasheet are for illustrative purposes only.

Flexible Outdoor LED GMBD

Flexible Mesh LED Display

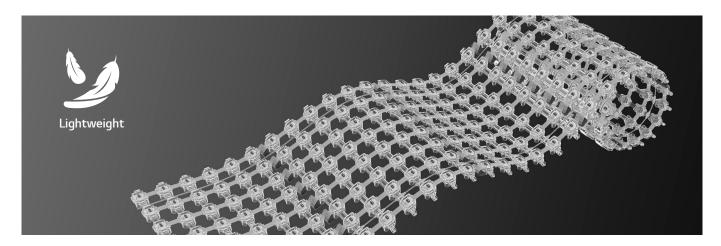Flexibility for Various Screen Shapes

Lightweight Mesh LED

Easy Maintenance

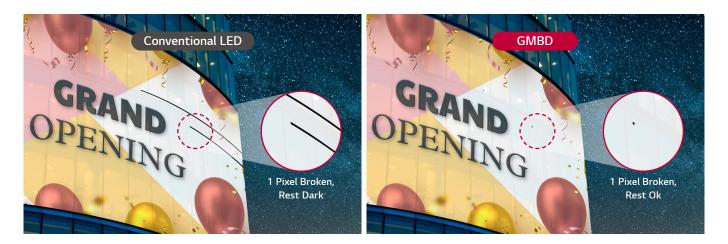| GMBD	
Pixel Pitch	35 / 40 mm
Brightness	7,500 / 3,000 nit
Weight per Cabinet	6.2 / 6.4 kg/Cabinet
IP Rating	IP66

Flexibility for Various Screen Shapes

With its ability to be curved, folded, or rolled, GMBD can be easily formed into a variety of shapes for artistic, ornamental, or creative work. Its features can be widely applied to building facades, outdoor commercial, large events, or other areas to provide daytime or night views.

Lightweight

Lightweight Mesh LED

Its small, lightweight design reduces weight strain even for large screens, reducing time and cost for installation.

Conventional LED

1 Pixel Broken, Rest Dark

GMBD

1 Pixel Broken, Rest Ok

Easy Maintenance

Its LED Data Line Bypass function keeps LED PKGs working even when a middle LED PKG is broken (or dead). A single dead pixel can be fixed or replaced separately, which allows the LED to be operated with reduced costs and time for maintenance.

SPECIFICATIONS

		GMBD035-GN4	GMBD040-GN2
	Pitch Name	P35	P40
Physical Parameters	Pixel Configuration	4 in 1 SMD	2 in 1 SMD
	Pixel Pitch (mm)	35.00	40.00
	Module Resolution (W × H)	1 × 80	1 × 80
	Module Dimensions (W × H, mm)	18 × 2,800	18 × 3,200
	Weight per Module (kg)	0.52	0.48
	No. of Modules per Cabinet (W × H)	8 × 1	8 × 1
	Cabinet Resolution (W × H)	8 × 80	8 × 80
	Cabinet Dimensions (W × H × D, mm)	280 × 2,800	320 × 3,200
	Cabinet Surface Area (m²)	0.784	1.024
	Weight per Cabinet (kg/Cabinet)	6.2	6.4
	Weight per Square Meter (kg/m²)	8.0	6.4
	Physical Pixel Density (pixels/m²)	816	625
	Cabinet Material	Plastic Body and Silicon Cable	Plastic Body and Silicon Cable
	Service Access	Front and Rear	Front and Rear
Optical Specifications	Max Brightness (After Calibration, nit)	7,500	3,000
	Color Temperature (K)	18,000-25,000	18,000-25,000
	Visual Viewing Angle (H × V)	120 × 120	120 × 120
	Brightness Uniformity	90%	90%
	Contrast Ratio	20,000 : 1	20,000 : 1
	Processing Depth (bit)	12 (HDR10, HDR10 Pro)	12 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	640	384
	Power Consumption (W/Cabinet, Avg.)	213	128
	Power Consumption (W/m², Max.)	816	375
	Heat Dissipation (BTU/h/Cabinet, Max.)	2,184	1,310
	Heat Dissipation (BTU/h/Cabinet, Avg.)	727	437
	Heat Dissipation (BTU/h/m², Max.)	2,784	1,280
	Power Supply (V)	15	9
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	20,000	20,000
Operation Specifications	LED Lifetime (Half Brightness)	100,000	100,000
	Operating Temperature (°C)	-40 to +60	-40 to +60
	Operating Humidity	10-90% RH	10-90% RH
	IP Rating Front / Rear	IP66 / IP66	IP66 / IP66
Certification		CE / FCC / cTUVus / CB	CE / FCC / cTUVus / CB
Environment		RoHS, REACH	RoHS, REACH
Controller		LCLY006	LCLY006
90 Degree Corner Cut		Yes	Yes

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