



\* All images are for illustrative purposes only.



LG LED Signage | **Indoor**

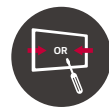
# LAE Standard Series

The LAE Standard series is available in various creative and user-friendly designs for convenient installation and maintenance.



### Fast Installation

Magnets, positioning pins, and easy locks enable users to set up and dismantle the screens easily.



### Front or Rear Serviceability

For easy installation and maintenance, we provide front or rear access.



### Lightweight and Slim Design

Its lightweight unit cases enable easy installation and prevent outer damage.



### Attachable Power and Control Modules

Power and control modules attached to the unit cases can be removed easily to fix potential problems.



### Signal Redundancy

The additional controller prevents a screen blackout. (Optional)



### 1,000 nits High Brightness

The product effectively delivers your message to audiences with high-brightness even in a large venue.



### Uniform Picture Quality with Accurate Colors

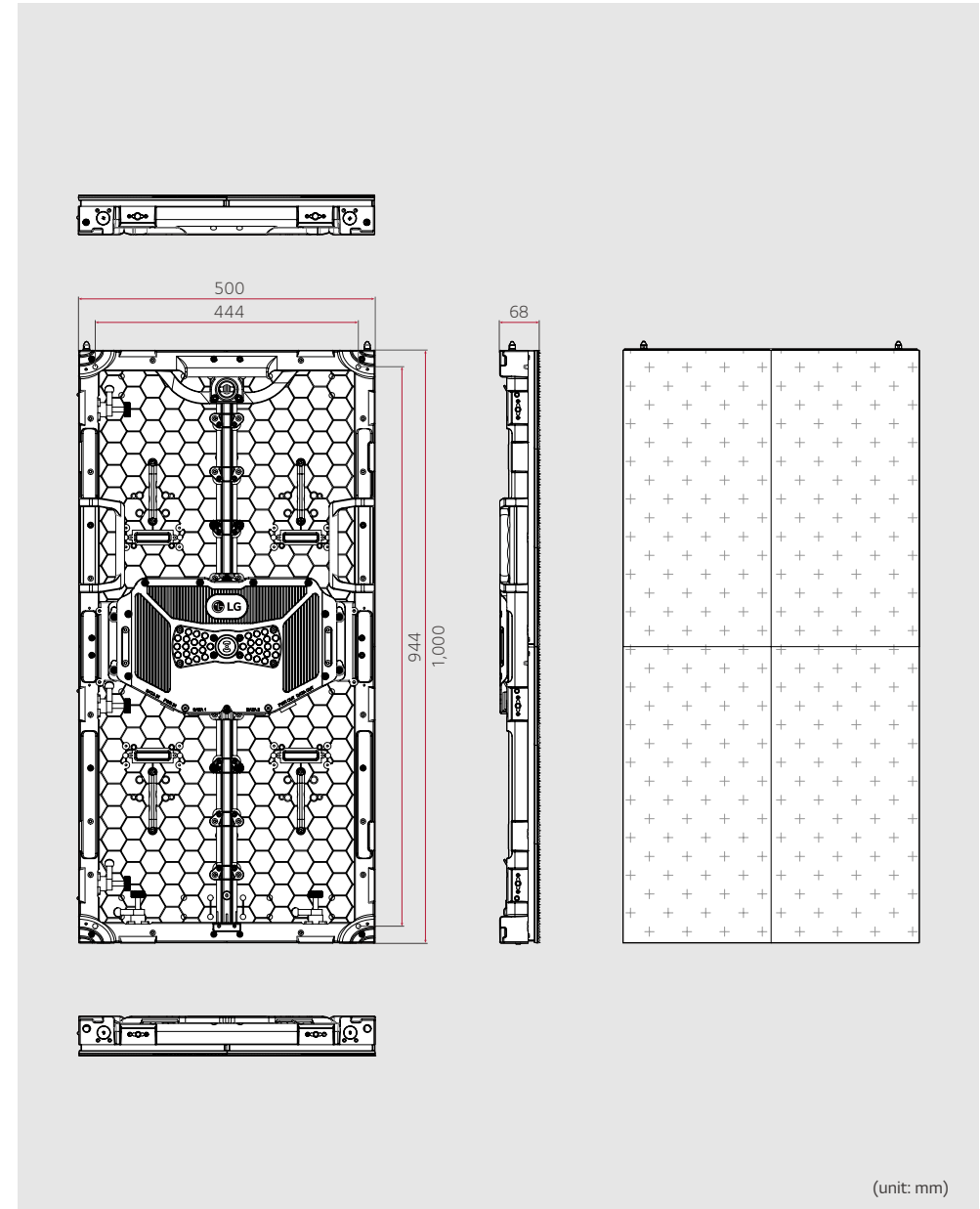
Our strictly managed production enables us to provide seamless content and vivid colors without distortion.



### RoHS Certified Safe Product

With RoHS certified, all LG LED signage models are eco-friendly while not using harmful materials.

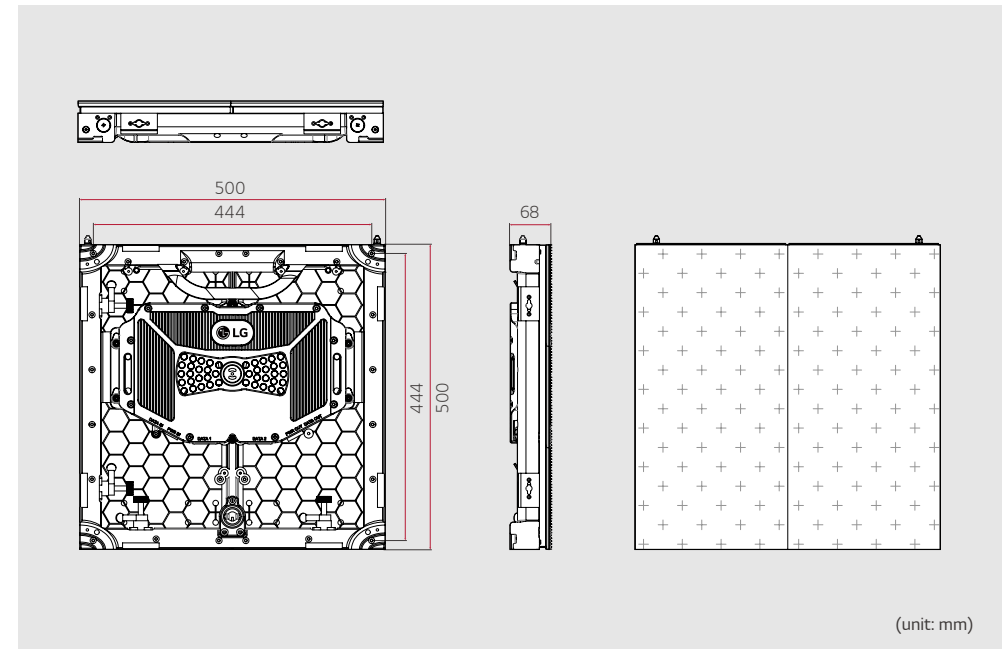
Panel		LAE029DD8E	LAE039DD8
Physical Parameters	Pixel Configuration	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	2.97	3.91
	Module Resolution (WxH)	84 x 168	64 x 128
	Module Dimensions (WxH, mm)	250 x 500	250 x 500
	Weight per Module (kg)	1.20	1.20
	No. of Modules per Unit Case (WxH)	2 x 2	2 x 2
	Unit Case Resolution (WxH)	168 x 336	128 x 256
	Unit Case Dimensions (WxHxD, mm)	500 x 1,000 x 68	500 x 1,000 x 68
	Unit Case Surface Area (m <sup>2</sup> )	0.500	0.500
	Weight per Unit Case (kg/unit)	15.5	12.5
	Weight per Square Meter (kg/m <sup>2</sup> )	31.0	25.0
	Physical Pixel Density (pixels/m <sup>2</sup> )	112,896	65,536
	Unit Case Material	Die Casting Aluminum Alloy	Die Casting Magnesium
	Service Access	Front or Rear (One Option Only)	Front or Rear (One Option Only)
Optical Specifications	Min. Brightness (After Calibration)	1,000 cd/m <sup>2</sup>	1,000 cd/m <sup>2</sup>
	Color Temperature	6,500	6,500
	Visual Viewing Angle (HxV)	160 x 160	160 x 160
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003Cx,Cy	±0.003Cx,Cy
	Contrast Ratio	5,000	5,000
	Processing Depth (bit)	13	14
Electrical Specifications	Power Consumption (W/Unit, Max.)	330	330
	Power Consumption (W/Unit, Avg.)	110	110
	Power Consumption (W/m <sup>2</sup> , Max.)	660	660
	Power Consumption (BTU/Unit, Max.)	1,126	1,126
	Power Consumption (BTU/Unit, Avg.)	375	375
	Power Consumption (BTU/m <sup>2</sup> , Max.)	2,252	2,252
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	1,920	3,840
Operation Specifications	Lifetime (Duration of Half Brightness in Hrs)*	100,000	100,000
	Operating Temperature	-10°C to 45°C	-10°C to 45°C
	Operating Humidity	0 - 80% RH	0 - 80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30
Certification		CE	CE
Environment		RoHS	RoHS



(unit: mm)

\* The lifetime (half brightness) spec is subject to LED package spec.

Panel		LAE029DD8DE	LAE039DD8D
Physical Parameters	Pixel Configuration	3 in 1 SMD	3 in 1 SMD
	Pixel Pitch (mm)	2.97	3.91
	Module Resolution (WxH)	84 x 168	64 x 128
	Module Dimensions (WxH, mm)	250 x 500	250 x 500
	Weight per Module (kg)	1.20	1.20
	No. of Modules per Unit Case (WxH)	2 x 1	2 x 1
	Unit Case Resolution (WxH)	168 x 336	128 x 128
	Unit Case Dimensions (WxHxD, mm)	500 x 500 x 68	500 x 500 x 68
	Unit Case Surface Area (m <sup>2</sup> )	0.250	0.250
	Weight per Unit Case (kg/unit)	10.0	8.2
	Weight per Square Meter (kg/m <sup>2</sup> )	40.0	32.8
	Physical Pixel Density (pixels/m <sup>2</sup> )	112,896	65,536
	Unit Case Material	Die Casting Aluminum Alloy	Die Casting Magnesium
	Service Access	Front or Rear (One Option Only)	Front or Rear (One Option Only)
Optical Specifications	Min. Brightness (After Calibration)	1,000 cd/m <sup>2</sup>	1,000 cd/m <sup>2</sup>
	Color Temperature	6,500	6,500
	Visual Viewing Angle (HxV)	160 x 160	160 x 160
	Brightness Uniformity	97%	97%
	Color Uniformity	±0.003C <sub>x</sub> C <sub>y</sub>	±0.003C <sub>x</sub> C <sub>y</sub>
	Contrast Ratio	5,000	5,000
	Processing Depth (bit)	13	14
Electrical Specifications	Power Consumption (W/Unit, Max.)	160	160
	Power Consumption (W/Unit, Avg.)	53	53
	Power Consumption (W/m <sup>2</sup> , Max.)	640	640
	Power Consumption (BTU/Unit, Max.)	546	546
	Power Consumption (BTU/Unit, Avg.)	181	181
	Power Consumption (BTU/m <sup>2</sup> , Max.)	2,184	2,184
	Power Supply (V)	100 to 240	100 to 240
	Frame Rate (Hz)	50 / 60	50 / 60
	Refresh Rate (Hz)	1,920	3,840
Operation Specifications	Lifetime (Duration of Half Brightness in Hrs)*	100,000	100,000
	Operating Temperature	-10°C to 45°C	-10°C to 45°C
	Operating Humidity	0 - 80% RH	0 - 80% RH
	IP Rating Front / Rear	IP30 / IP30	IP30 / IP30
Certification		CE	CE
Environment		RoHS	RoHS







Controller		LCIN006	LCIN008 (4K)
Input	Interface	HDMI / DVI	HDMI / DVI / DP
	Resolution	1,920 x 1,200@60Hz	3,840 x 2,160@60Hz
	EDID Custom	Yes	Yes
Output	Signal	Gigabit Ethernet (4ea)	Gigabit Ethernet (16ea)
	Fiber Optical	X	4ea
Control	RJ45	X	O
	USB	O	O
Electrical	Power Consumption (W)	16	30
	Power Supply (V)	AC 100-240V	AC 100-240V
Mechanical	Size (mm)	482.6 (W) x 250 (D) x 44.45 (H) →EIA Standard Rack (1U)	482.6 (W) x 372 (D) x 96 (H) →EIA Standard Rack (3U)
	Weight (kg)	2.9	4.6
Feature	Signal Redundancy	Yes	Yes
	HDR10	X	O

\* The lifetime (half brightness) spec is subject to LED package spec.



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