









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

LG MAGNIT LSAQ Series

Micro LED Display with Detachable PSU

-  Remote Power and Power Redundancy
-  Intelligent Processor
-  Wide Viewing Angle
-  Achieving True Black
-  Vibrant Colors
-  High Reliability

LSAQ Series	
Pixel Pitch	0.94 mm
Brightness	Max. 600 / Peak 1,200 nits
Weight per Cabinet (lbs./kg)	14.1 / 6.4
Service Access	Front and Rear
IP Rating Front / Rear	IP50 / IP20



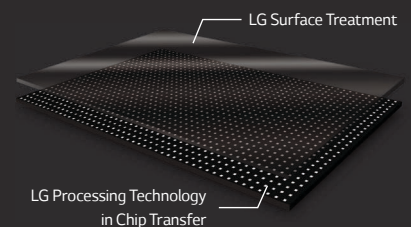
Remote Power and Power Redundancy

LSAQ's Remote PSU (Power Supply Unit) is designed to be installed separately from the screen, rather than inside the cabinet. This unique design allows for hot swapping, which means that failed Power Module can be replaced without disrupting the operation of the screen. This results in minimal downtime making it an ideal choice for businesses and organizations that require uninterrupted performance.



Enhanced Uniformity with LST (LG Surface Treatment) Technology

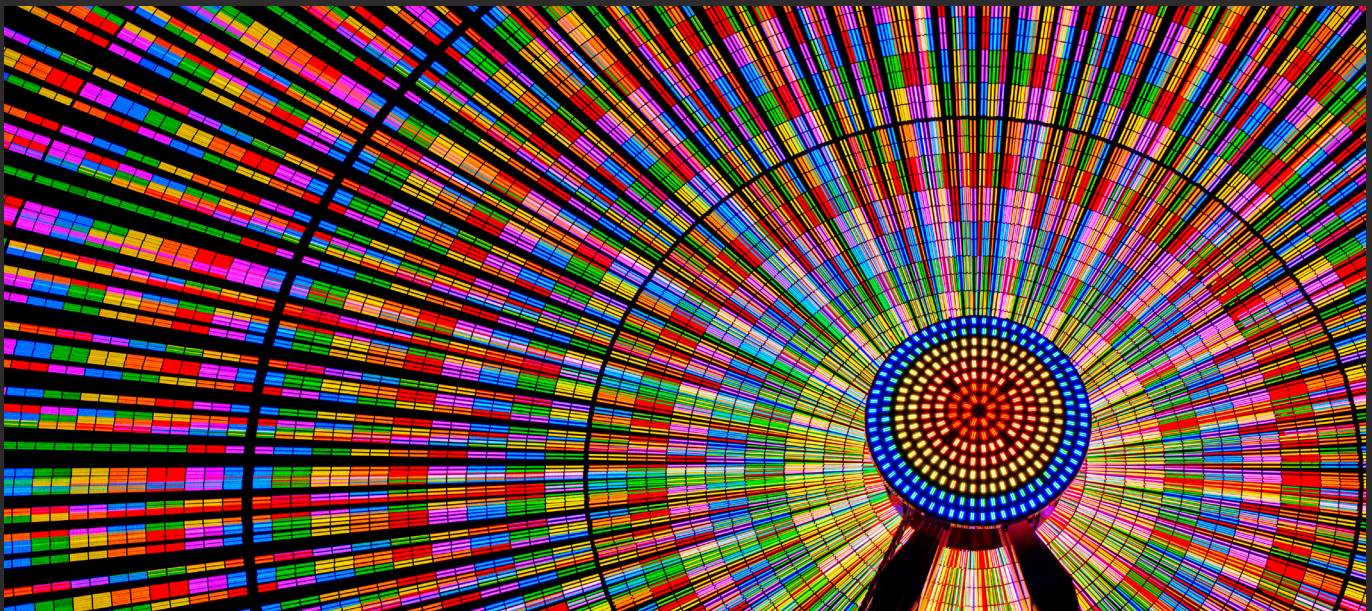
LG MAGNIT's innovative Chip Transfer and Surface Treatment Technology enhances white uniformity and reduces color distortion delivering true wide-angle viewing experiences. This technology enables remarkable color uniformity, resulting in superior image quality.





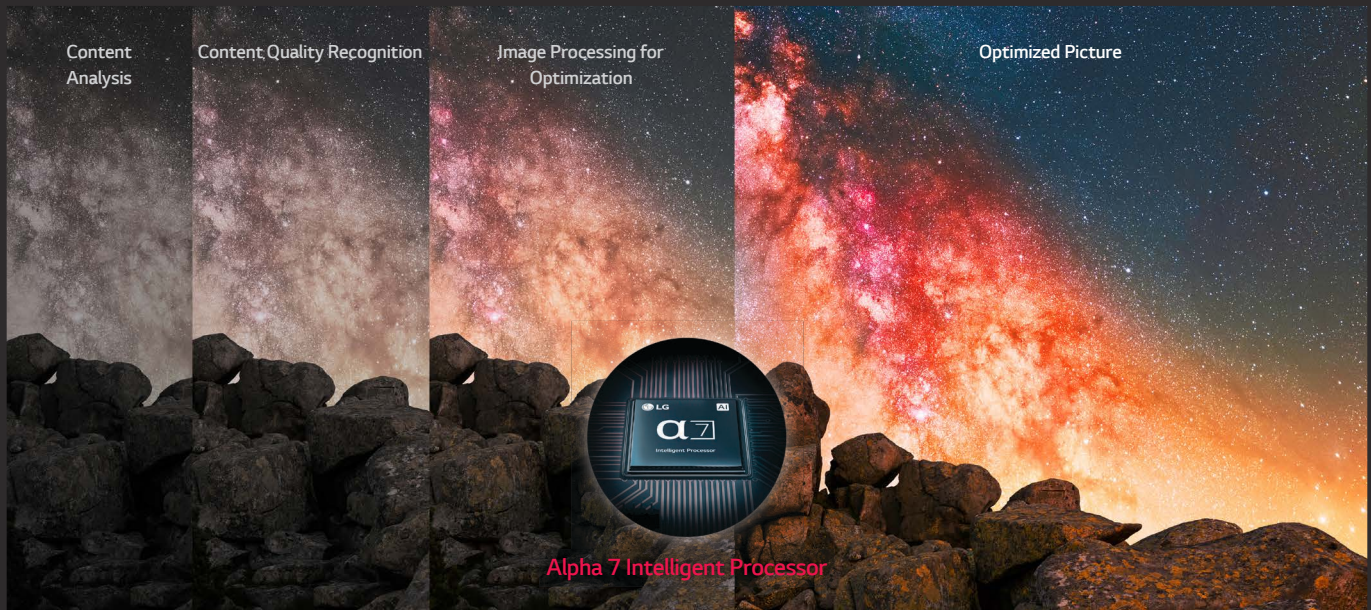
Achieving Deep Black Color

LG MAGNIT's black coating technology creates a stunning black expression. This technology makes the LG MAGNIT the ideal choice for displaying content that requires deep black color.



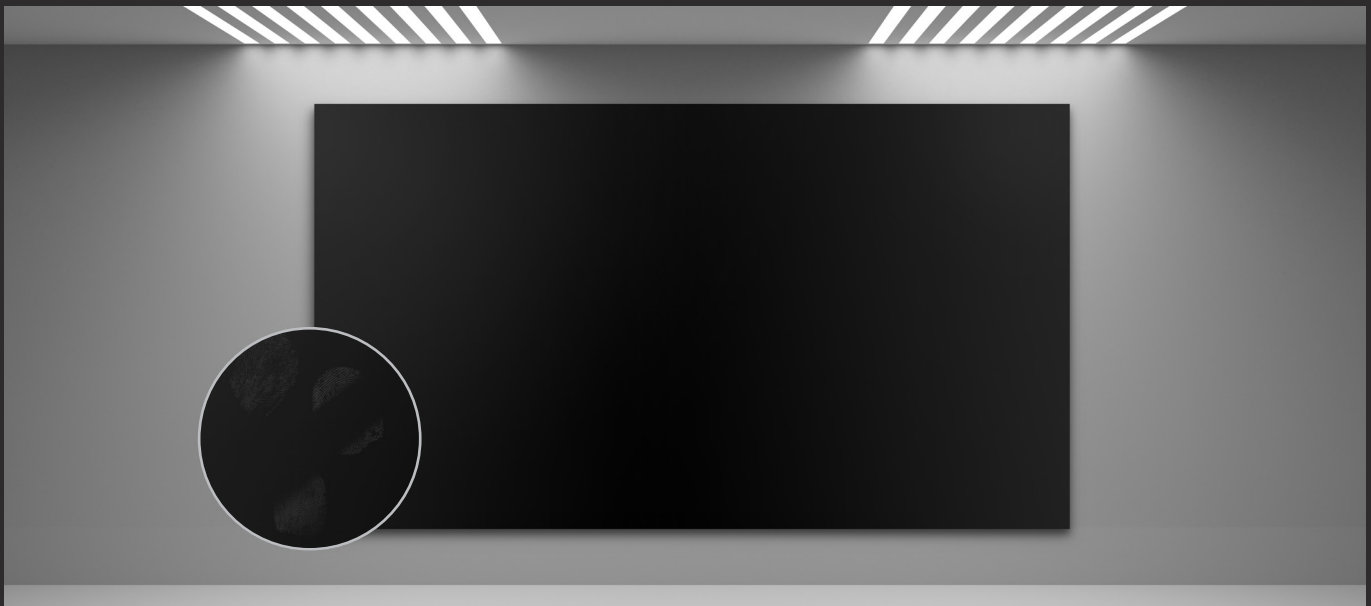
Precise Colors as Intended

LG MAGNIT's narrowed wavelength and carefully selected LED chip allows it to show uniform colors across the screen and enhanced color purity. The enhanced Gamut Transfer technology supports the LG MAGNIT to display colors close to the creators intent. This is imperative for places where exact color representation is demanding.



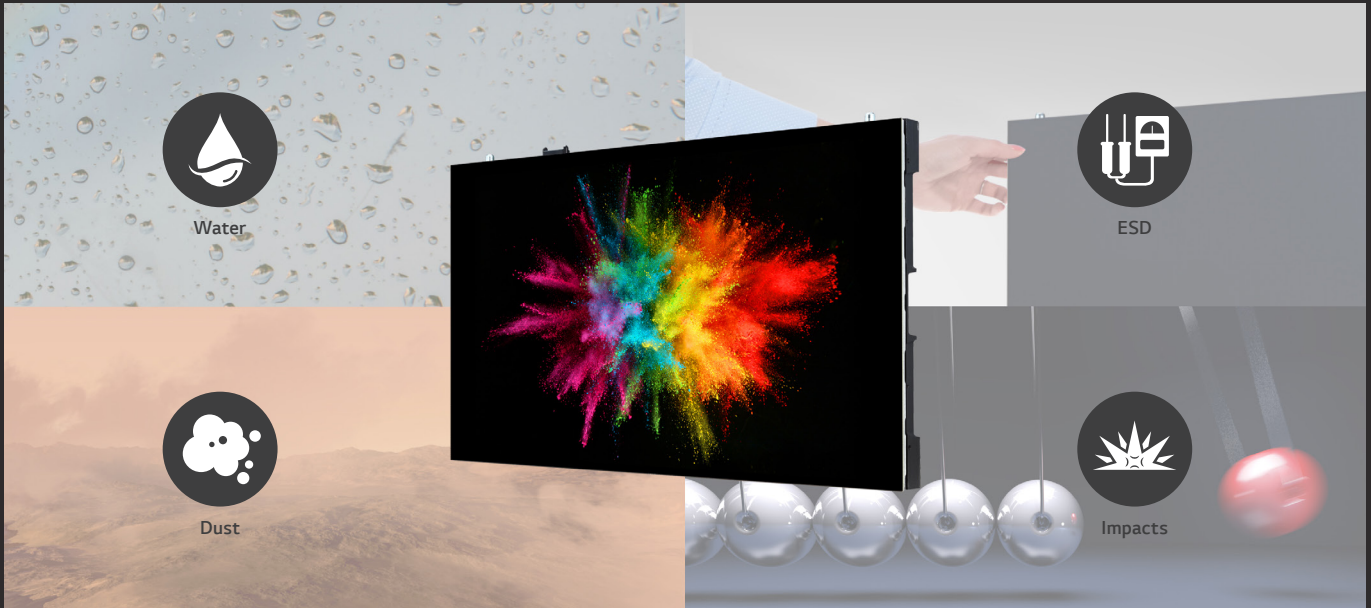
Ai-powered Viewing Experience with Alpha 7 Processor

LG MAGNIT features an advanced AI-powered Alpha 7 Intelligent Processor that optimizes clarity and sharpness to deliver an outstanding viewing experience. Its advanced AI technology enables the processor to recognize and analyze content, tailoring the display settings for each individual scene to create a highly realistic and immersive image.



Sleek Look with Smooth Surface

The smooth screen surface of the LG MAGNIT makes the screen look pleasant even when the screen is off. Fingerprints can easily be removed by simply wiping it with a soft cloth.



Sturdy Design

LG MAGNIT protects its LED chips through several layers of coated film from risks caused by water drops, dust, static electricity or physical impacts. Its stability is vitally important to minimize unforeseen accidents since it is usually installed in public places where many people are crossing its path.



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

LSAQ009-*1

Pitch Name		P0.94
Physical Parameters	Pixel Configuration	Micro
	Pixel Pitch (mm)	0.9375
	Module Resolution (W x H)	320 x 120
	Module Dimensions (W x H, mm)	300 x 112.5
	Weight per Module (lbs. / kg)	0.42 / 0.19
	No. of Modules per Cabinet (W x H)	2 x 3
	Cabinet Resolution (W x H)	640 x 360
	Cabinet Dimensions (W x H x D, in. / mm)	23.6 x 13.3 x 1.8 / 600 x 337.5 x 44.9
	Cabinet Surface Area (ft ² / m ²)	2.2 / 0.203
	Weight per Cabinet (lbs./kg)	14.1 / 6.4
	Weight per Square Meter (lbs./ft ² / kg/m ²)	6.5 / 31.6
	Physical Pixel Density (pixels/m ²)	1,137,778
	Flatness of Cabinet (mm)	±0.5
	Cabinet Material	Extrusion Aluminum
	Service Access	Front and Rear
Optical Specifications	Max. Brightness (After Calibration, nits)	600 (typ) / 1,200 (peak)
	Color Temperature (K)	3,200-9,300 / (Default) 7,300
	Visual Viewing Angle (H x V)	160° x 160°
	Brightness Uniformity	95%
	Color Uniformity	±0.02 Cx, Cy
	Contrast Ratio	100,000 : 1 @ 10lux
	Processing Depth (bit)	20 (HDR10, HDR10 Pro)
Electrical Specifications	Power Consumption (W/Cabinet, Max.)	67
	Power Consumption (W/Cabinet, Avg.)	40
	Power Consumption (W/m ² , Max.)	331
	Heat Dissipation (BTU/h/Screen, Max.)	229
	Heat Dissipation (BTU/h/Screen, Avg.)	137
	Heat Dissipation (BTU/h/m ² , Max.)	1,132
	Power Supply (Vac)	48 Vdc
	Frame Rate (Hz)	50 / 60
	Refresh Rate (Hz)	3,840
Operation Specifications	LED Lifetime (Half Brightness)	Up to 100,000 hours
	Operating Temperature (°F / °C)	32 to 104 / 0 to 40
	Operating Humidity	10-80% RH
	IP Rating Front / Rear	IP50 / IP20
Warranty	3 Year Limited	
Certification	Safety 60950-1, EMC Class B, BS476 Part7 Class2Y	
Environment	RoHS	
Controller	CSAB-00915D	
90 Degree Corner Cut	No	