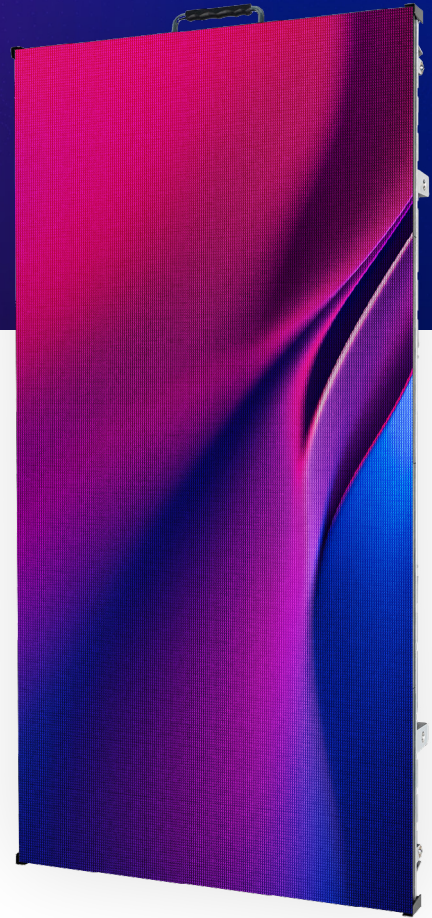# ATMOS LED

Element Series

The Element Series is our IP65-rated LED panel designed for excellent visuals for any indoor installation or production deployment. Built for demanding outdoor environments, it features a durable die-cast aluminum cabinet and a modular design with fast-locking mechanisms. With high brightness, wide viewing angles, and front-and-back maintenance, it ensures seamless visuals even in direct sunlight—ideal for concerts, sports, exhibitions, and stage productions.

Element Series is available in the following pixel pitches:

2.6mm, 2.97mm, 3.91mm, 4.81mm

HIGH RESOLUTION, VIVID IMAGE

› Multiple pixel pitch options: 2.6mm, 2.9mm, 3.9mm, 4.8mm
› 4500nits high brightness

CRASH PROOF PROTECTION

› Corner protection
› Prevents damage during packing and assembly
› Stable design for demonstrations

MODULAR DESIGN, FRONT AND REAR SERVICE

› Modular power and signal unit with magnetic module design
› Easy front service with tool-free installation and teardown

CONCAVE, CONVEX, CURVILINEAR OPTIONS

› 500x500mm / 500x1000mm panels, adaptable to concave and convex angles

Atmos LED

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Element Series Specifications

MODEL	2.6	2.97	3.91	4.81
Physical Pitch	2.6mm/0.1"	2.97mm/0.12"	3.91mm/0.15"	4.81mm/0.15"
Pixel Configuration	SMD1921	SMD1921	SMD1921	SMD1921
Pixel Density	147456px/m²	112896px/m²	65536px/m²	43264px/m²
Module Dimension(WxH)	9.84"x9.84" (250x250mm)			
Panel Dimension(WxHxD)	19.69"x19.69"x3.14" (500x500x80mm) 19.69"x39.37"x3.14" (500x1000x80mm)			
No. of Module/panel(WxH)	2x2 / 2x4			
Module Resolution	96x96px	84x84px	64x64px	52x52px
Panel Resolution	192x192px 192x384px	168x168px 168x168px	128x128px 128x256px	104x104px 104x208px
Panel Material	Die-casting Aluminum			
Panel Weight	17.63 lbs (8kg) / 30.86 lbs (14kg)			
Gray Scale	16bit			
Contrast Ratio	4000:1			
Avg. Power Consumption	64w/panel 128w/panel	64w/panel 128w/panel	64w/panel 128w/panel	64w/panel 128w/panel
Max. Power Consumption	192w/panel 384w/panel	192w/panel 384w/panel	192w/panel 384w/panel	192w/panel 384w/panel
Operating Temp/Humidity	14°F to 140°F (-10°C to 60°C) / 10% - 60%			
Storage Temp/Humidity	-22°F to 140°F (-30°C to 60°C) / 10% - 60%			
Refresh Rate	7680hz			
Brightness	4500nits			
Viewing Angle(H/V)	160°/140°			
Expected Lifetime	100,000hrs			
Max. Stacking/Hanging	20/10			
Service	Front/Rear			
IP Rating(Front/Rear)	IP65/IP54			
Certification	CCC, CE, ETL, RoHS			