

AOC

Outdoor SMD LED LE Series

LE251/5CHH/96



Full-Color



High Brightness



Optimized Cooling



High Protection



Easy Maintenance

AOC Outdoor Full Color LED Display

Brightness

Ultra HD clarity

Strong protection

Engineered for maximum impact, our display delivers 4500 nits of daylight-defying brightness and Ultra HD clarity, ensuring your ads, events, and messages captivate audiences in any weather. With IP65 rated durability, modular installation, and versatility for plazas, malls, or rooftops, it's the ultimate solution to transform spaces into citywide focal points.

High-Luminance Display

With a 4500 nit ultra high brightness display, visuals remain crystal clear and lifelike even under harsh midday sun or in the dimmest nighttime conditions.



Super Wide Angle Display

With a 160° ultra wide viewing angle, every frame stays razor-sharp and distortion free whether viewed straight on or from the side. This ensures flawless visibility across even the busiest, most sprawling crowds.

Vibrant Colors

High contrast ratio, superior grayscale rendering, and exceptional color uniformity deliver lifelike image precision with smooth, natural gradations every detail rendered flawlessly from darkest shadows to brightest highlights.



High Protection

IP65-rated protection ensures dust tight, water resistant, and corrosion proof performance operating reliably in extreme conditions, from torrential rain and sandstorms to scorching heat and freezing cold.

Easy Installation & Maintenance

Standardized modular enclosure design enables swift, installation and maintenance, minimizing downtime and operational costs.



Specifications

Physical Parameter	Pixel Pitch(mm)	2.5
	LED Type LED	SMD
	Pixel Density (m ²)	160000 pixels/m ²
	Resolution of LED Module (W × H)	128*64 pixels
	Resolution of Cabinet (W × H)	384*384 pixels
	LED Module Size(W × H)	320×160 mm
	Cabinet Size (W × H × D)	960x960*103 mm
	No. of Modules Per Cabinet(W × H)	3x 6
	Cabinet Area	0.9216 m ²
	Aspect Ratio	1:1
	Weight (per cabinet)	24 kg
	Cabinet Material	Die-casting Aluminium
Optical Parameter	Brightness	4500 nits
	Max Contrast Ratio	5000:1
	Viewing Angle H/V	160°/ 160°
	Color Temperature - Adjustable	5000~10000K
	Frame Rate	50-60 Hz
	Refresh Rate	3840 Hz
	Gray Scale Processing	14 bit
Electrical Parameter	Average Power Consumption(W/m ²)	≤300
	Max Power Consumption(W/m ²)	≤850
	Input Power Voltage	AC 100~240, 50-60Hz
Operation Conditions	Operating Temp/Humidity	0 - 40°C/ 10% - 90%RH
	Storage Temp/Humidity	-40 - 80 °C/ 10% - 70%RH
	IP Rating	IP65
	Life span, typ.	100,000 Hrs
Service	Servicing	Back