



AL Series

SMD Energy Saving DOOH



Naked-eye 3D



Billboard



Shopping Mall



Stadium



Airport

Product Specifications

Specifications	AL-290	AL-390	AL-480	AL-620	AL-780	AL-100
Pixel Pitch (mm)	2.91	3.91	4.8	6.25	7.81	10.42
LED Type	SMD1415	SMD1415	SMD1921	SMD2727	SMD2727	SMD2727
Application	Outdoor					
Module Size (mm)	500×250					
Module Resolution (pixel)	168×84	128×64	104×52	80×40	64×32	48×24
Display Size (mm)	1000x1000					
Cabinet Resolution (pixel)	336×336	256×256	208×208	160×160	128×128	96×96
Pixel Density (pixel/m²)	112,896	65,536	43,264	25,600	16,384	9,216
Brightness (cd/m²)	5,000	5,500	5,500	5,500 -10,000		
Refresh Rate (Hz)	3840 / 7680					
Contrast Ratio	8,000 : 1			15,000 : 1		
Gray Scale (Bit)	14-16					
Power Consumption (W/m²) Max. / Avg.	500 / 180			500 / 180, 580 / 190		
Viewing Angle (H/V)	140° / 140°					
IP Rate (Front/Rear)	IP66 / IP65					
Maintenance Type	Front / Back					
Module Material	Die-Cast Aluminum					
Cabinet Material	Aluminum Profile					
Cabinet Weight (Kg)	28					
Life Span (Hr)	100,000					
Curve	Customized					
Installation	Wall Mounted / Stacking / Fixed					

Key Features

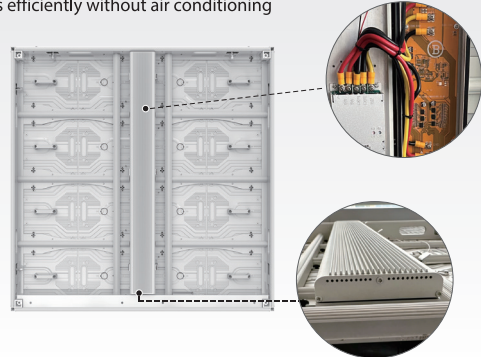
Green & Energy-saving

- Ultra-efficient common cathode dynamic signal gating, 0.5mA ultra-low black current, and advanced voltage reduction minimize internal resistance for higher efficiency
- Reduces surface temperature by 14.6°C and cuts power consumption by over 30% compared to traditional circuits



Enhanced Self-Cooling System

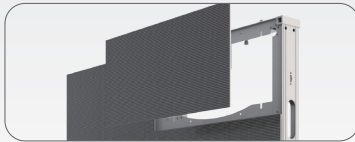
- Dual-layer cover & fins, maximizes heat dissipation
- Bottom air vents, ensures balanced airflow and cooling
- Operates efficiently without air conditioning



Precision Engineering & Easy Maintenance

- Full front & rear access with lightweight 28kg all-aluminum cabinet for faster installation and lower labor and shipping costs
- Standard 1x1m cabinets support quick 1:1 deployment and fully customizable configurations

Front Maintenance ▶



Back Maintenance ▶



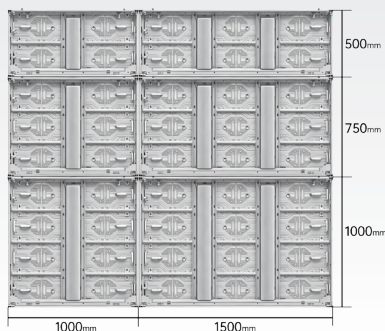
Ultra high protection & Front IP66

- Robust die-cast aluminum modules housing for superior durability
- Front IP66-rated protection resists high humidity and corrosive coastal conditions without compromising performance



Versatile Configurations

- Modular scaling with multiple cabinet sizes
- Seamless installation for flexible assembly across diverse commercial display applications



Superior Imaging Excellence

- Smooth, flicker-free visuals with 16-bit grayscale and a high 8000:1 contrast ratio
- Brightness up to 10,000 nits, maintaining full image integrity

