WAVE SERIES
Flexible SMD LED Cabinet

Push the limits of visual design with the Direct View Solutions Wave Series. Engineered with high resolution, fine pixel pitch SMD technology, these advanced LED cabinets are built to bend, flex and flow into almost any form imaginable. From precision crafted curves and sweeping waves to fully immersive spherical displays, the Wave Series gives you complete creative freedom without compromising image quality. Designed for demanding installations, it delivers stunning clarity, seamless uniformity and the versatility to bring your most ambitious display concepts to life.

Up to
600NITS
Standard Brightness

3840HZ
High Refresh Rate

SMD
LED Type

2000 - 12000K
Colour Temp

WAVE SERIES
Product Highlights

SEAMLESS DESIGN

Traditional LED cabinets often struggle to form smooth curves, leaving visible black lines, gaps, or stepped edges where flat panels meet. The Wave Series Flexible SMD LED Cabinets eliminate these limitations entirely. Engineered for true structural flexibility, each module bends with precision allowing you to create continuous curves, flowing contours, and fully organic shapes without interruption.

Whether you're shaping a gentle arc, a dramatic wave or a complete sphere, the Wave Series ensures that your creative vision appears exactly as intended. Smooth, consistent and flawlessly seamless.

ENDLESS POSSIBILITIES

The Wave Series unlocks a new level of freedom in LED display design. With its highly flexible structure and fine pixel-pitch precision, the system can be shaped into virtually any form you can imagine. Smooth arcs, tight-radius bends, sweeping ribbons, serpentine contours, full cylinders, immersive tunnels (even complex 3D forms like spheres and sculptural elements) are all achievable with ease.

This flexibility allows designers, architects and AV professionals to break free from the constraints of traditional flat panel systems. Whether you're creating a standout centrepiece, an architectural integration, or a fully bespoke installation, the Wave Series adapts to your vision, not the other way around. If you can imagine the shape, the Wave Series can bring it to life with stunning clarity and structural elegance.

IMPRESSIVE IMAGE QUALITY

The Wave delivers outstanding image performance. Designed to bring every detail to life. With an impressive 6,000:1 high contrast ratio, the display produces deep blacks, brilliant whites, and rich vivid colours that enhance visual impact across any content.

In addition, the system maintains exceptional clarity at low brightness levels, preserving high Gray scale performance without loss of detail. This means subtle textures, gradients and layered tones remain visible and accurate.

WAVE SERIES
Technical Specification

	WAVA12	WAVA15	WAVA16	WAVA18	WAVA20
PHYSICAL PARAMETERS					
Pixel Structure	SMD1010	SMD1010	SMD1212	SMD1515	SMD1515
Pixel Pitch (mm)	P1.25	P1.57	P1.66	P1.87	P2.0
Module Size (mm)			240 x 120		
Pixel Density (dots/m^2)	640,000	401,111	360,000	284,444	250,000
Cabinet Resolution	192 x 94	152 x 76	144 x 72	128 x 64	120 x 60
OPTICAL PARAMETERS					
Brightness (nits)			0 - 600		
Contrast			6,000 : 1		
Gray Scale (bit)			14		
Colour Temp (K)			2,000 - 12,000 (Adjustable)		
Cabinet Flatness			<0.1mm		
Full Screen View (H/V)			160°/160°		
Center Distance Deviation of Luminescent Point			<3%		
Luminance Uniformity			>98%		
Refresh Rate (Hz)			2880 - 3840		
ELECTRICAL PARAMETERS					
Max Power Consumption (W)	500W/m^2	500W/m^2	500W/m^2	500W/m^2	500W/m^2
Avg. Power Consumption (W)	200W/m^2	200W/m^2	200W/m^2	200W/m^2	200W/m^2
Working Voltage	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz
ADDITIONAL FEATURES					
Lifetime (Hrs)	100,000	100,000	100,000	100,000	100,000
Operation Humidity (RH)	10% - 80%	10% - 80%	10% - 80%	10% - 80%	10% - 80%
Operation Temprature	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃

WAVE SERIES
Technical Specification

	WAVA25	WAVA30	WAVA40
PHYSICAL PARAMETERS			
Pixel Structure	SMD1515	SMD2020	SMD2020
Pixel Pitch (mm)	P2.5	P3.0	P4.0
Module Size (mm)		240 x 120	
Pixel Density (dots/m²)	160,000	111,111	62,500
Cabinet Resolution	96 x 48	80 x 40	60 x 30
OPTICAL PARAMETERS			
Brightness (nits)		0 - 600	
Contrast		6,000 : 1	
Gray Scale (bit)		14	
Colour Temp (K)		2,000 - 12,000 (Adjustable)	
Cabinet Flatness		<0.1mm	
Full Screen View (H/V)		160°/160°	
Center Distance Deviation of Luminescent Point		<3%	
Luminance Uniformity		>98%	
Refresh Rate (Hz)		2880 - 3840	
ELECTRICAL PARAMETERS			
Max Power Consumption (W)	500W/m²	500W/m²	500W/m²
Avg. Power Consumption (W)	200W/m²	200W/m²	200W/m²
Working Voltage	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz
ADDITIONAL FEATURES			
Lifetime (Hrs)	100,000	100,000	100,000
Operation Humidity (RH)	10% - 80%	10% - 80%	10% - 80%
Operation Temprature	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃

WAVE SERIES
Technical Specification

	WAVB20	WAVB40	WAVC15	WAVC18	WAVC20
PHYSICAL PARAMETERS					
Pixel Structure	SMD1515	SMD2020	SMD1212	SMD1515	SMD1515
Pixel Pitch (mm)	P2.0	P4.0	P1.56	P1.86	P2.0
Module Size (mm)	256 x 128			320 x 160	
Pixel Density (dots/m^2)	250,000	62,500	406,731	289,050	250,000
Cabinet Resolution	128 x 64	64 x 32	204 x 102	172 x 86	160 x 80
OPTICAL PARAMETERS					
Brightness (nits)	0 - 600				
Contrast	>5,000 : 1				
Gray Scale (bit)	14 - 16				
Colour Temp (K)	<12,000 (Adjustable)				
Cabinet Flatness	<0.1mm				
Full Screen View (H/V)	160°/140°				
Center Distance Deviation of Luminescent Point	<3%				
Luminance Uniformity	>98%				
Refresh Rate (Hz)	2880 - 3840				
ELECTRICAL PARAMETERS					
Max Power Consumption (W)	500W/m^2	500W/m^2	500W/m^2	500W/m^2	500W/m^2
Avg. Power Consumption (W)	200W/m^2	200W/m^2	200W/m^2	200W/m^2	200W/m^2
Working Voltage	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz
ADDITIONAL FEATURES					
Lifetime (Hrs)	100,000	100,000	100,000	100,000	100,000
Operation Humidity (RH)	10% - 80%	10% - 80%	10% - 80%	10% - 80%	10% - 80%
Operation Temprature	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃	-10℃ ~ 40℃

WAVE SERIES
Technical Specification

	WAVC25	WAVC30	WAVC40
PHYSICAL PARAMETERS			
Pixel Structure	SMD1515	SMD1515	SMD2020
Pixel Pitch (mm)	P2.5	P3.07	P4.0
Module Size (mm)		320 x 160	
Pixel Density (dots/m^2)	160,000	105,688	62,500
Cabinet Resolution	128 x 64	104 x 52	80 x 40
OPTICAL PARAMETERS			
Brightness (nits)		0 - 600	
Contrast		>5,000 : 1	
Gray Scale (bit)		14 - 16	
Colour Temp (K)		<12,000 (Adjustable)	
Cabinet Flatness		<0.1mm	
Full Screen View (H/V)		160°/140°	
Center Distance Deviation of Luminescent Point		<3%	
Luminance Uniformity		>98%	
Refresh Rate (Hz)		2880 - 3840	
ELECTRICAL PARAMETERS			
Max Power Consumption (W)	500W/m^2	500W/m^2	500W/m^2
Avg. Power Consumption (W)	200W/m^2	200W/m^2	200W/m^2
Working Voltage	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz	AC: 110V - 240V , 50 - 60Hz
ADDITIONAL FEATURES			
Lifetime (Hrs)	100,000	100,000	100,000
Operation Humidity (RH)	10% - 80%	10% - 80%	10% - 80%
Operation Temprature	-10°C ~ 40°C	-10°C ~ 40°C	-10°C ~ 40°C