



THE LEADER AND CREATOR OF FLIP CHIP DISPLAY PANEL

ArcX Series

INDOOR CURVE CREATIVE LED DISPLAY

PRODUCT OVERVIEW



Multi-form Cabinet

Flat cabinet, concave cabinet, convex cabinet, edge-cut cabinet.



Compatible With Multiple Display Panels

COB, SMD, MIP options.



Smooth Curve

Die casting aluminum frame with CNC machining for perfect curves.



Front maintenance

Full front maintenance.

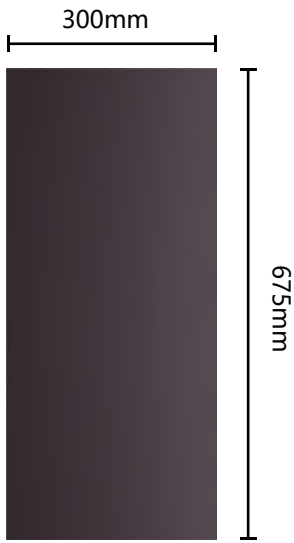


Hard link

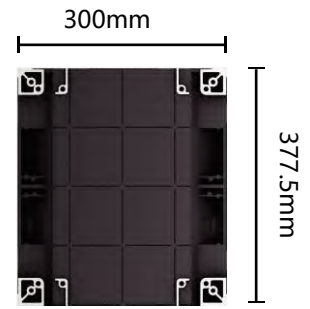
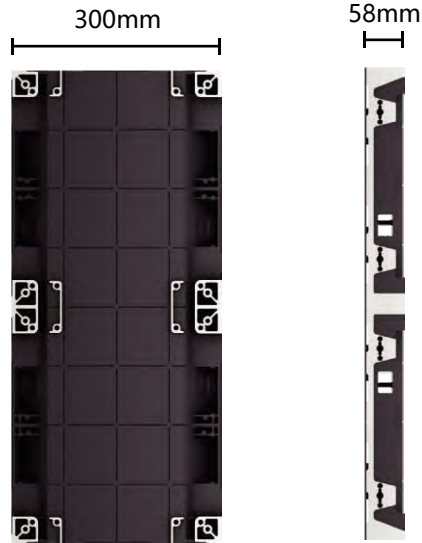
Module hard link design, no cables connect, enhance stability.



PRODUCT SIZE



Full size cabinet



Half size cabinet

PRODUCT FORM



Flat screen



Right angle(90° splicing)



Convex



Concave



Flat+curve



Flat+curve+flat



High Gray Level

16-bit grayscale provides smooth transitions and enhances image detail.








High Contrast Ratio

High contrast enhances the image's colors, making it more vibrant and dynamic.

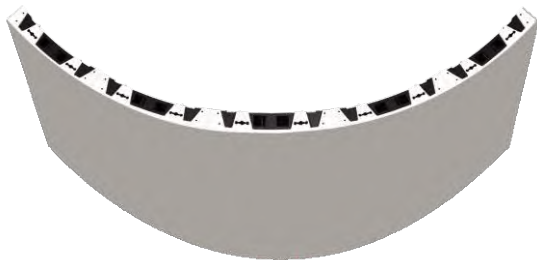


COB/GOB High Protection



-  Anti-collision
-  Anti-oxidation
-  Moisture-resistant
-  Anti-static
-  Easy clean

Perfect Arc



LP display CNC-Flex series

Die-cast aluminum cabinet with CNC machining process to create precise angle, resulting in a perfect arc.



Other company

Using narrow strip enclosures to piece together curves, ultimately forming a diamond-shaped surface, results in uneven curve transitions, which can easily lead to shadow color differences and poor consistency.

Smooth Curve

CNC five-dimensional processing is used to create curved surfaces on die-cast aluminum cabinets, along with soft and flexible PCBs and high-precision customized CNC angle connection plates, to deliver excellence.



Die cast aluminum curve cabinet



Custom angle CNC machined aluminum plate
Custom angle CNC machined aluminum plate work with curve cabinet ensures high accuracy in joint angles, good flatness, and a uniform curved transition

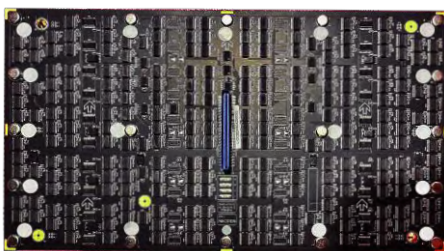
Circular Display

Minimum diameter 1145.9mm, consisting of 12 cabinets arranged to form a circular display.



Module Hard Link

Compared to traditional soft modules, Flex series module just uses a hard link interface connect to HUB board, without ribbon cable and power cables, which reduces the failure rate of the wiring and improves stability.



A simple and lightweight module with a single interface that support hot-swapping, making maintenance quick and convenient.



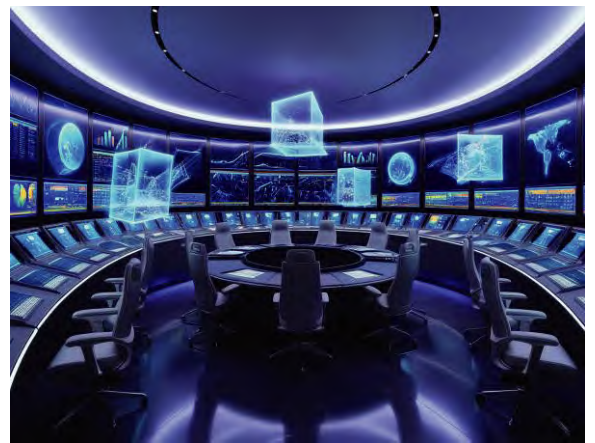
SPECIFICATION

Categories	Model	P12	P15	P18	P25
Physical Parameters	Pixel Pitch (mm)	1.25	1.56	1.875	2.5
	Pixel Configuration	SMD			
	Pixel Density (dots/m ²)	640,000	409,600	284,444	160,000
	Cabinet Size (mm)(W*H*D)	300×675×58mm			
	Cabinet Resolution (mm)(W*H)	240×540	192×432	160×360	120×270
	Cabinet Material	Die-cast aluminum			
	Module Size (W*H)	300 x 168.75 mm			300 x 337.5 mm
	Weight	6.6kg/cabinet			
Optical Parameters	Viewing Angle	160°(V)/160°(H)			
	Brightness (cd/m ²)	600	600	600-800	600-800
	Brightness Uniformity	≥98%			
	Contrast Ratio	7,000 :1			
	Refresh Rate	3,840HZ			
	Gray Scale	14 bit			
	Color Calibration	Pixel to Pixel			
	Color Temperature	2,000-10,000K			
Electrical Parameters	A. C. Inputs	100~240V			
	Frame Rate	50/60hz			
	Power Consumption(Max.)	≤500W/m ²	≤450W/m ²	≤400W/m ²	≤400W/m ²
	Power Consumption(Avg.)	≤170W/m ²	≤150W/m ²	≤130W/m ²	≤130W/m ²
Application	Serviceability	Front			
	Operation Temperature	-10°C~40°C			
	Operation Humidity	10%~ 85%RH			
	Ingress Protection	IP20 rear /IP 40 front			
	Exterior/Interior	Interior			
	Lifespan	100,000 hrs			
Others	Certificates	CE, FCC, CB, ETL			
	Packing	Wooden box			

Categories	Model	P12	P15	P18
Physical Parameters	Pixel Pitch (mm)	1.25	1.5625	1.875
	Pixel Configuration	COB		
	Pixel Density (dots/m ²)	640,000	409,600	284,444
	Cabinet Size (mm)(W*H*D)	300×675×58mm		
	Cabinet Resolution (mm)(W*H)	240×540	192×432	160×360
	Cabinet Material	Die-cast aluminum		
	Module Size (W*H)	300 x 168.75 mm		
	Weight	6.6kg/cabinet		
Optical Parameters	Viewing Angle	170°(V)/170°(H)		
	Surface Treatment	Black matte		
	Brightness (cd/m ²)	800-1000		
	Brightness Uniformity	≥98%		
	Contrast	15,000 :1		
	Refresh Rate	3,840 - 7680 HZ		
	Gray Scale	14 ~16 bit		
	Color Calibration	Pixel to Pixel		
	Color Temperature	2,000-10,000K		
	Color Gamut	≥97% DCI-P3 optional		
	HDR	HLG/HDR/HDR 10+		
Electrical Parameters	A. C. Inputs	100~240V		
	Frame	50/60hz		
	Power Consumption(Max.)	300-450 W/m ²		
	Power Consumption(Avg.)	100-150 W/m ²		
Application	Serviceability	Front		
	Operation Temperature	-10°C~40°C		
	Operation Humidity	10%~ 90%RH		
	Ingress Protection	IP20 rear /IP 54 front		
	Exterior/Interior	Interior		
	Lifespan	100,000 hrs		
Others	Certificates	CE, FCC, CB, ETL		
	Packing	Wooden box		

Categories	Model	P09	P12	P15	P18	P25	P37
Physical Parameters	Pixel Pitch (mm)	0.9375	1.25	1.5625	1.875	2.5	3.75
	Pixel Configuration	MIP					
	Pixel Density (dots/m ²)	1,137,778	640,000	409,600	284,444	160,000	71,111
	Cabinet Size (mm)(W*H*D)	300×675×58mm					
	Cabinet Resolution (mm)(W*H)	320×720	240×540	192×432	160×360	120×270	80×180
	Cabinet Material	Die-cast aluminum					
	Module Size (W*H)	300 x 168.75 mm				300 x 337.5 mm	300 x 168.75 mm
	Weight	6.6kg/cabinet; 28kg/m ²					
Optical Parameters	Viewing Angle	170°(V)/170°(H)					
	Surface Treatment	Black matte					
	Brightness (cd/m ²)	1,000					
	Brightness Uniformity	≥98%					
	Contrast	20,000 :1					
	Refresh Rate	3,840 - 7680 HZ					
	Gray Scale	14 ~16 bit					
	Color Calibration	Pixel to Pixel					
	Color Temperature	2,000-10,000K					
	Color Gamut	≥97% DCI-P3 optional					
	HDR	HLG/HDR/HDR 10+					
Electrical Parameters	A. C. Inputs	100~240V					
	Frame	50/60hz					
	Power Consumption(Max.)	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²	450 W/m ²
	Power Consumption(Avg.)	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²	150 W/m ²
	Redundancy	Optional					
Application	Serviceability	Front					
	Operation Temperature	-10°C~40°C					
	Operation Humidity	10%~ 85%RH					
	Ingress Protection	IP20 rear /IP 54 front					
	Exterior/Interior	Interior					
	Lifespan	100,000 hrs					
Others	Certificates	CE, FCC, CB, ETL					
	Packing	Wooden box					

APPLICATIONS



SHENZHEN LP DISPLAY TECHNOLOGY CO., LTD

+86-755-2350 2825 www.szlpdisplay.com

oversea@szlpdisplay.com

5D-701, Shenzhen Software Industry Base, Haitian Second Road,
Nanshan, Shenzhen, Guangdong, China



公司官方网站