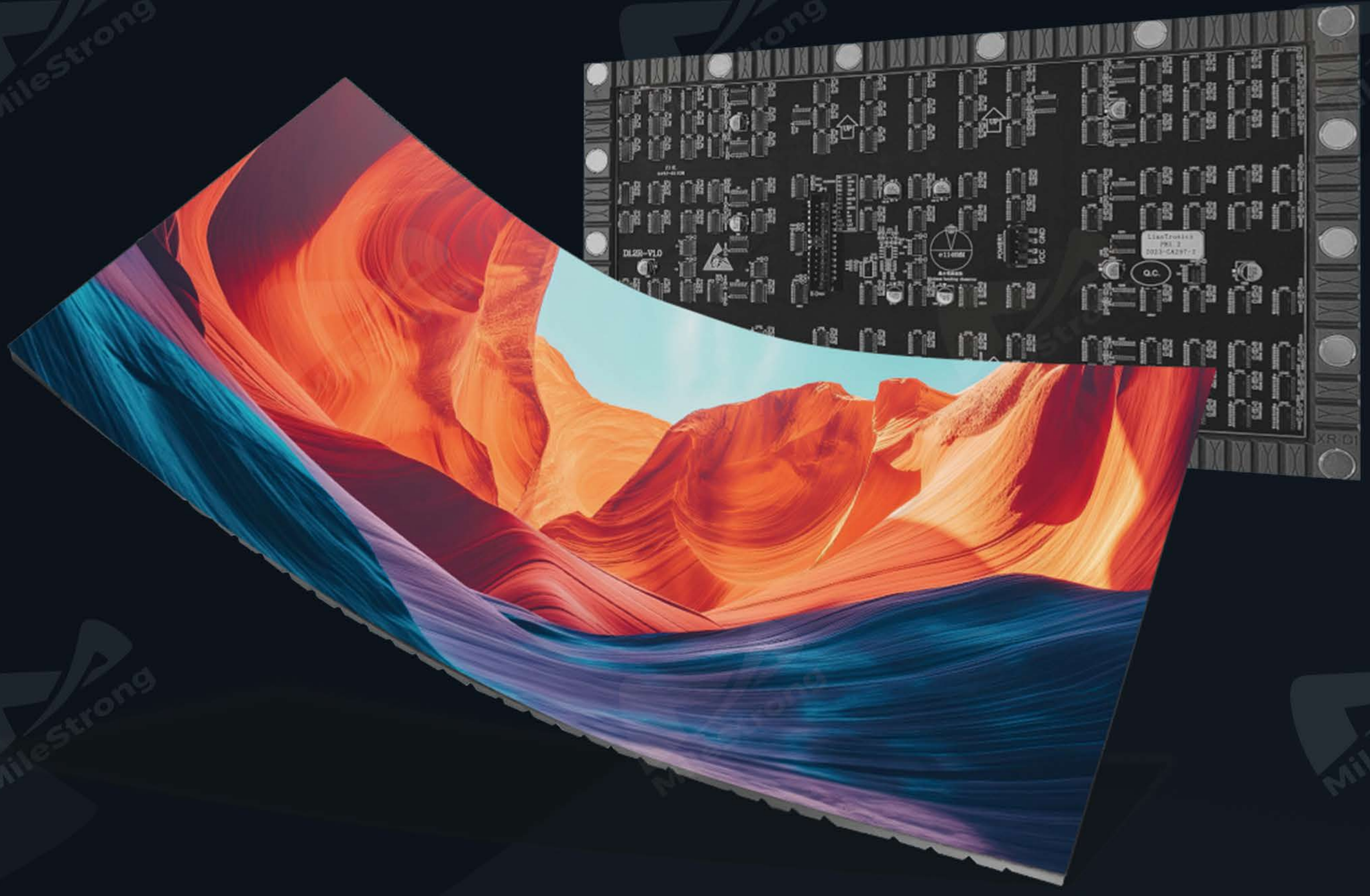
MileStrong



Creative & Customized LED Display

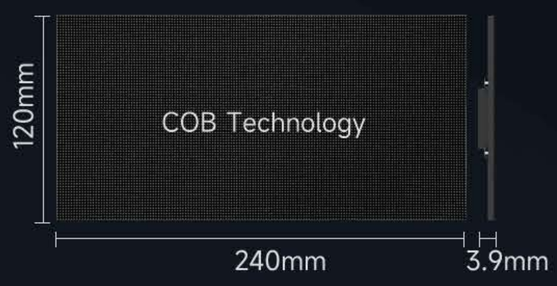
SF Series Flexible LED Module

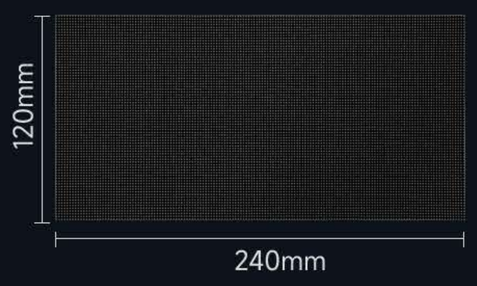
Pixel Pitch (mm) : 0.9-4

Module Size (mm) : 240×120 / 320×160 / 250×250 / 256×128 / 300×168.75 / 480×160 / 480×320

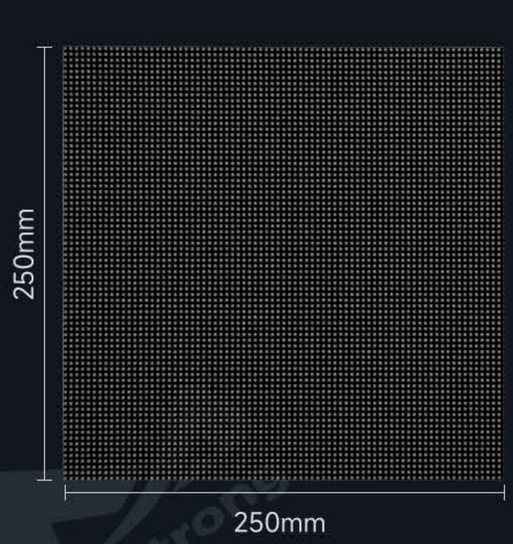
Various Module Sizes

The SF Series Flexible LED Modules are available in a range of sizes to meet diverse project requirements, offering full adaptability for creative installations.



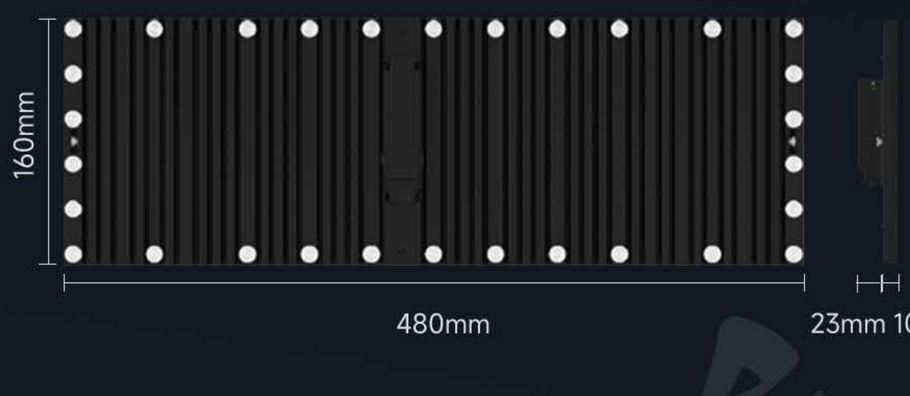


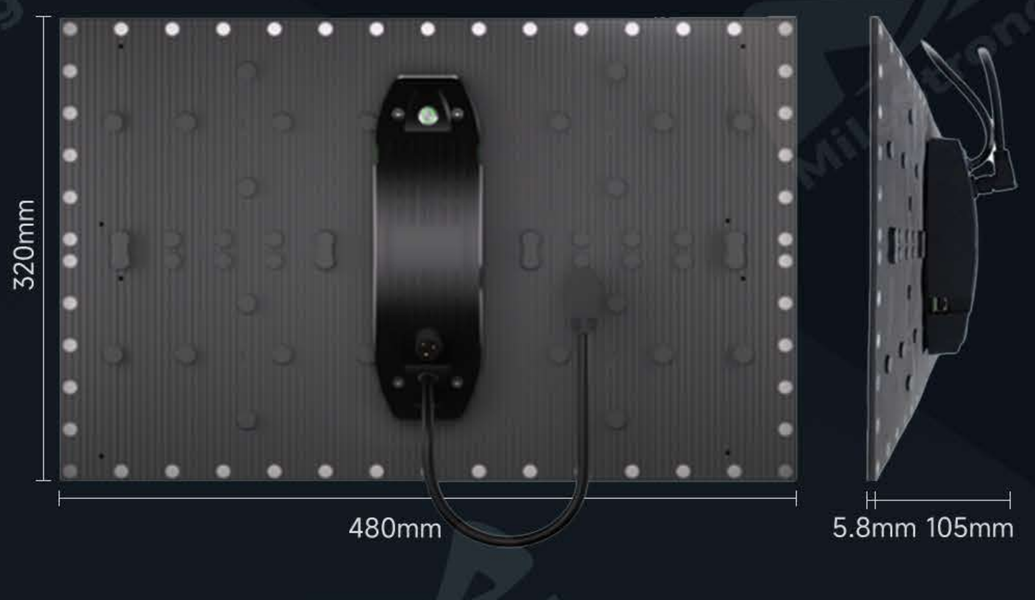






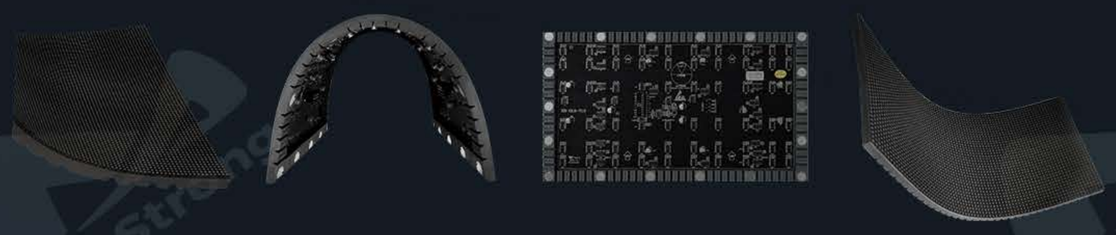






No Warping, Excellent Flexibility

Featuring strong adhesion with no degumming, these modules ensure smooth, curved installations while supporting wide viewing angles and reliable long-term performance.



No Warping | Good Flexibility | No Degumming | Large Angle

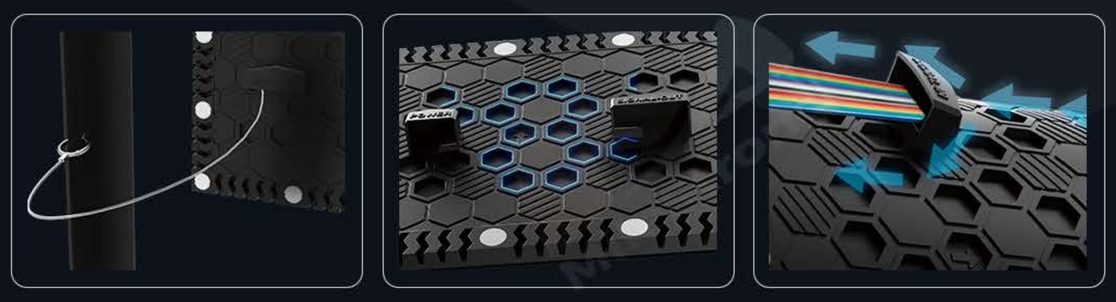
Concave & Convex

Capable of bending both inward and outward, the modules allow versatile design possibilities for unique display shapes.



Safe & Protective Design

The cell structure ensures secure anti-dropping performance, while the interface design offers added protection for stable operation.



Outdoor Durability

The outdoor version is rated IP65 waterproof and has passed a 48-hour salt spray test, ensuring high reliability even in harsh environments.

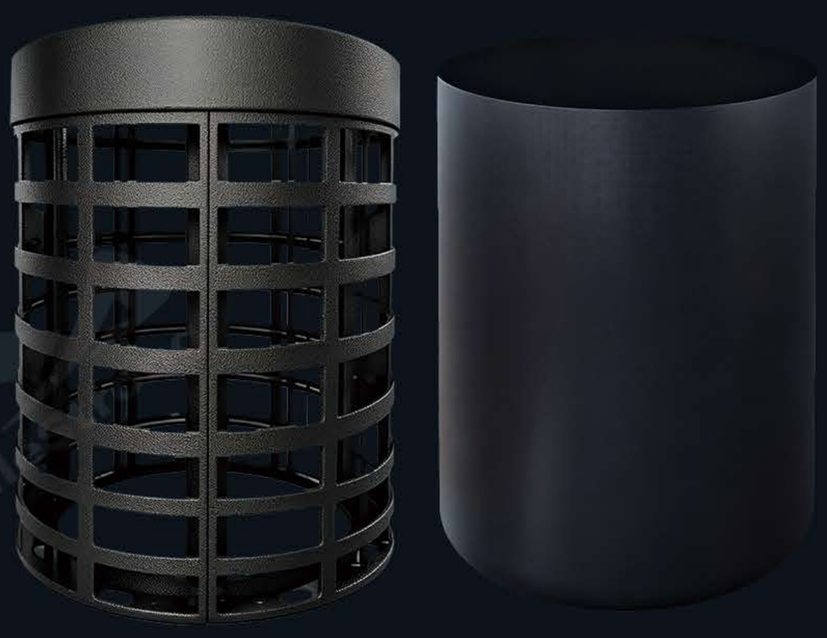


Protection Grade IP65

48-Hour Salt Spray Test

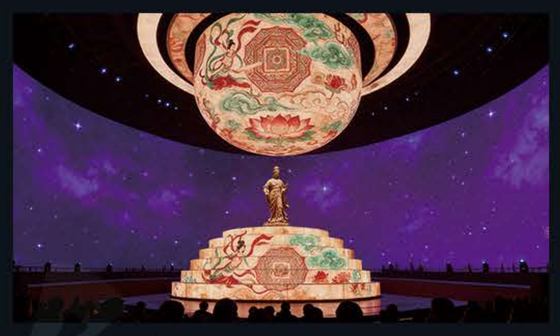
Easy Installation

With strong magnetic installation, setup is quick and efficient, providing seamless assembly without complexity.



Unlimited Design Possibilities

From square columns and round pillars to Möbius rings, arcs, ribbons, spheres, or curved walls, these flexible modules make almost any creative design possible.









Immersive Experience Support

Flexible LED modules enable the creation of dome displays, arc cave immersive displays, ceiling installations, and tunnel-style LED displays for captivating experiences.







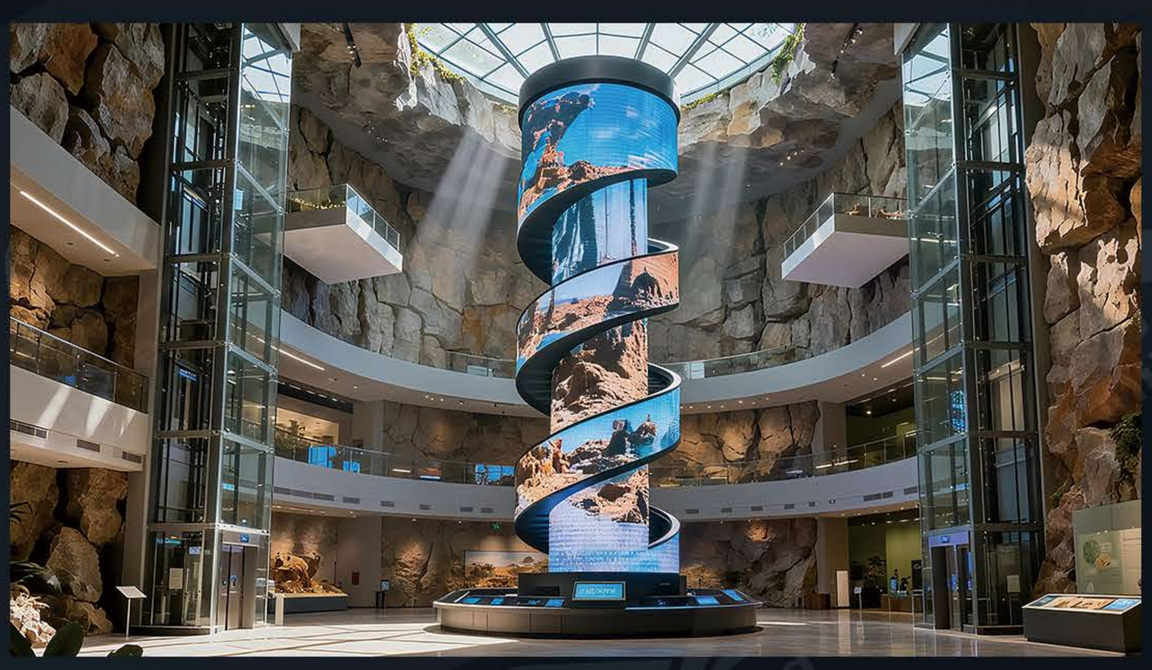


Application Scenarios

Ideal for corporate showrooms, science and technology museums, cinemas, shopping malls, studios, amusement parks, cultural attractions, and gaming environments.









Parameters

SF Series (COB Technology) : 240×120

Items	SF-COB
Pixel Pitch (mm)	0.9
Pixel Composition	1R1G1B
Pixel Density (pixels/m^2)	1,137,777
Module Size (mm)	240×120×3.9
Module Resolution (W×H)	256×128
Scan Mode	1/64
Standard Constant Current IC	PWM
Refresh Rate (Hz)	3,840–4,200
Frame Rate (Hz)	60
Grayscale (bit)	13
Minimum Assembly Diameter (mm)	764
Minimum Bending Arc	≥162°
Signal Interface Type	320 Interface
Module Weight (g/pc)	150
Flatness (mm)	≤0.3
Protection Level	Front: IP65 ; Back: IP30
Installation / Maintenance	Front Installation / Front & Rear Maintenance
Brightness (nits)	1,000 (after calibration)
Color Temperature (K)	10,000–12,000 (adjustable)
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01
Viewing Angle (H/V)	160°/140°
Contrast Ratio	15,000:1
Module Power Supply Voltage DC (V)	R: 2.8 / GB: 3.8
Module Maximum Current DC (A)	R: 1 / GB: 1.8
Module Maximum Power Consumption (W/pc)	10
Input Voltage	AC100V–AC240V
Peak Power Consumption (W/m^2)	370
Average Power Consumption (W/m^2)	111
Lifespan (h)	100,000
Operating Environment	-20 °C ~ 45 °C, 10% ~ 90% RH, no condensing
Storage Environment	-20 °C ~ 50 °C, 10% ~ 90% RH, no condensing
FLASH Function	Supported

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-A Series : 240×120

Items	SFA09	SFA12	SFA15	SFA16	SFA18
Pixel Pitch (mm)	0.9375	1.25	1.579	1.667	1.875
Pixel Composition	1R1G1B				
LED Type	Mini LED 4-in-1	SMD1010 Chip	SMD1212	SMD1212	SMD1515
Pixel Density (pixels/m^2)	1,137,775	640,000	401,110	359,999	284,444
Module Size (mm)	240×120×8.4	240×120×8.6			
Module Resolution (W×H)	256×128	192×96	152×76	144×72	128×64
Scan Mode	1/64	1/48	1/38	1/36	1/32
Standard Constant Current IC	Common Cathode PWM	PWM	PWM	PWM	PWM
Refresh Rate (Hz)	2,880–3,840	3,840–4,200	3,840–4,200	3,840–4,200	3,840
Frame Rate (Hz)	60				
Grayscale (bit)	13–14	13–14	13–14	13–14	12–13
Minimum Assembly Diameter (mm)	1,222	1,222	917	764	611
Minimum Bending Arc	≥169°	≥169°	≥165°	≥162°	≥158°
Signal Interface Type	HUB320 (non-cascading)	HUB75 (non-cascading)			
Module Back Shell Material	Silicone Soft Back Shell				
Module Weight (g/pc)	220	220	210	200	217
Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5
Installation / Maintenance	Front & Rear				
Brightness (nits)	500–550	600–650	700–750	700–750	750–800
Color Temperature (K)	10,000–12,000 (adjustable)				
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01				
Viewing Angle (H/V)	150°/120°	160°/140°	150°/120°	150°/120°	150°/120°
Contrast Ratio	≥5,000:1	≥6,000:1	≥6,000:1	≥6,000:1	≥5,000:1
Module Power Supply Voltage DC (V)	R: 2.8 / GB: 3.8	5			
Module Maximum Current DC (A)	3.8	3.2	2.8	2.8	2.8
Module Maximum Power Consumption (W/pc)	14	16	14	14	14
Input Voltage	AC220V				
Peak Power Consumption (W/m^2)	490	560	490	490	490
Average Power Consumption (W/m^2)	140	160	140	140	140
Lifespan (h)	100,000				
Operating Environment	-20 °C ~ 40 °C, 20% ~ 75% RH				

Items	SFA2	SFA25	SFA3-15	SFA3-20	SFA4
Pixel Pitch (mm)	2	2.5	3	3	4
Pixel Composition	1R1G1B				
LED Type	SMD1515	SMD1515	SMD1515	SMD2020	SMD2020
Pixel Density (pixels/m^2)	250,000	160,000	111,111	111,111	62,500
Module Size (mm)	240×120×8.6				
Module Resolution (W×H)	120×60	96×48	80×40	80×40	60×30
Scan Mode	1/30	1/24	1/20	1/20	1/15
Standard Constant Current IC	PWM	Dual-Buffer or PWM	Dual-Buffer	Dual-Buffer	Dual-Buffer
Refresh Rate (Hz)	3,840	1,920–3,840	1,920	1,920	1,920
Frame Rate (Hz)	60				
Grayscale (bit)	12–13	12	12	12	12
Minimum Assembly Diameter (mm)	611	306	306	458	306
Minimum Bending Arc	≥158°	≥135°	≥135°	≥150°	≥135°
Signal Interface Type	HUB75 (non-cascading)	HUB75 (input & output)			
Module Back Shell Material	Silicone Soft Back Shell				
Module Weight (g/pc)	210	190	190	200	175
Flatness (mm)	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Installation / Maintenance	Front & Rear	Front & Rear	Front & Rear	Front & Rear	Front & Rear
Brightness (nits)	750–800	750–800	750–800	850–900	800–850
Color Temperature (K)	10,000–12,000 (adjustable)				
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01				
Viewing Angle (H/V)	150°/120°	150°/120°	150°/120°	140°/120°	140°/120°
Contrast Ratio	≥5,000:1	≥5,000:1	≥5,000:1	≥5,000:1	≥5,000:1
Module Power Supply Voltage DC (V)	5				
Module Maximum Current DC (A)	2.8	2.6	2.5	2.8	2.6
Module Maximum Power Consumption (W/pc)	14	13	12.5	14	13
Input Voltage	AC220V				
Peak Power Consumption (W/m^2)	490	460	440	490	460
Average Power Consumption (W/m^2)	140	130	125	140	130
Lifespan (h)	100,000				
Operating Environment	-20 °C ~ 40 °C, 20% ~ 75% RH				

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-B Series : 256×128

Items	SFB2	SFB4
Pixel Pitch (mm)	2	4
Pixel Composition	1R1G1B	
LED Type	SMD1515	SMD2020
Pixel Density (pixels/m²)	250,000	62,500
Module Size (mm)	256×128×8.6	
Module Resolution (W×H)	128×64	64×32
Scan Mode	1/32	1/16
Standard Constant Current IC	PWM	Dual-Buffer
Refresh Rate (Hz)	3,840	1,920
Frame Rate (Hz)	60	
Grayscale (bit)	12–13	12
Minimum Assembly Diameter (mm)	652	326
Minimum Bending Arc	≥158°	≥135°
Signal Interface Type	HUB75 (input & output)	
Module Back Shell Material	Silicone Soft Back Shell	
Module Weight (g/pc)	225	195
Flatness (mm)	≤0.5	
Installation / Maintenance	Front & Rear	
Brightness (nits)	750–800	750–800
Color Temperature (K)	10,000–12,000 (adjustable)	
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01	
Viewing Angle (H/V)	150°/120°	140°/120°
Contrast Ratio	≥5,000:1	
Module Power Supply Voltage DC (V)	5	
Module Maximum Current DC (A)	2.8	
Module Maximum Power Consumption (W/pc)	14	
Input Voltage	AC220V	
Peak Power Consumption (W/m²)	490	
Average Power Consumption (W/m²)	140	
Lifespan (h)	100,000	
Operating Environment	-20 °C ~ 40 °C, 20% ~ 75% RH	

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-C Series : 320×160

Items	SFC125	SFC129	SFC153	SFC156	SFC186	SFC2	SFC2.5	SFC3	SFC4
Pixel Pitch (mm)	1.25	1.29	1.538	1.568	1.86	2	2.5	3	4
Pixel Composition	1R1G1B								
LED Type	SMD1010 Top	SMD1010 Chip	SMD1212	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD2020
Pixel Density (pixels/m^2)	640,000	600,625	422,500	406,406	288,906	250,000	160,000	105,625	62,500
Module Size (mm)	320×160×8.6								
Module Resolution (W×H)	256×128	248×124	208×104	204×102	172×86	160×80	128×64	104×52	80×40
Scan Mode	1/64	1/62	1/52	1/51	1/43	1/40	1/32	1/26	1/20
Standard Constant Current IC	PWM	PWM	PWM	PWM	PWM	PWM	Dual-Buffer or PWM	Dual-Buffer	Dual-Buffer
Refresh Rate (Hz)	3,840	3,840	3,840	3,840	3,840	3,840	1,920–3,840	1,920	1,920
Frame Rate (Hz)	60								
Grayscale (bit)	13–14				12–13		12		
Minimum Assembly Diameter (mm)	1,222	1,222	1,019	815	611	611	407	407	407
Minimum Bending Arc	≥165°	≥165°	≥162°	≥158°	≥150°	≥150°	≥135°	≥135°	≥135°
Signal Interface Type	HUB75 (non-cascading)								HUB75 (input & output)
Module Back Shell Material	Silicone Soft Back Shell								
Module Weight (g/pc)	330	400	340	340	340	340	290	290	280
Flatness (mm)	≤0.3				≤0.5				
Installation / Maintenance	Front & Rear								
Brightness (nits)	600–650	600–650	600–650	600–650	700–750	700–750	700–750	650–750	700–750
Color Temperature (K)	10,000–12,000 (adjustable)								
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01								
Viewing Angle (H/V)	140°/120°	160°/130°	150°/120°						140°/120°
Contrast Ratio	≥6,000:1	≥6,000:1	≥6,000:1	≥6,000:1	≥5,000:1	≥6,000:1	≥6,000:1	≥6,000:1	≥5,000:1
Module Power Supply Voltage DC (V)	5								
Module Maximum Current DC (A)	5	5	4.5	4.5	4.4	4.6	4.2	4.2	3.6
Module Maximum Power Consumption (W/pc)	30	30	22.5	22.5	22	23	21	21	18
Input Voltage	AC220V								
Peak Power Consumption (W/m^2)	600	600	440	440	430	450	410	410	360
Average Power Consumption (W/m^2)	170	170	125	125	123	128	118	118	103
Lifespan (h)	100,000								
Operating Environment	-20 °C ~ 40 °C, 20% ~ 75% RH								

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-D Series : 300×168.75

Items	SFD12	SFD15	SFD18	SFD23
Pixel Pitch (mm)	1.2	1.5	1.8	2.3
Pixel Composition	1R1G1B			
LED Type	SMD1010 Chip	SMD1212	SMD1212	SMD1515
Pixel Density (pixels/m^2)	640,000	409,600	284,440	182,041
Module Size (mm)	320×168.75×7.5			
Module Resolution (W×H)	240×135	192×108	160×90	128×72
Scan Mode	1/45	1/54	1/45	1/36
Standard Constant Current IC	PWM			
Refresh Rate (Hz)	3,840			
Frame Rate (Hz)	60			
Grayscale (bit)	13–14		12–13	
Minimum Assembly Diameter (mm)	1,146	955	764	573
Minimum Bending Arc	≥165°	≥162°	≥158°	≥150°
Signal Interface Type	HUB320 (non-cascading)		HUB75 (non-cascading)	
Module Back Shell Material	Silicone Soft Back Shell			
Module Weight (g/pc)	280	280	290	250
Flatness (mm)	≤0.3		≤0.5	
Installation / Maintenance	Front & Rear			
Brightness (nits)	600–650		700–750	
Color Temperature (K)	10,000–12,000 (adjustable)			
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01			
Viewing Angle (H/V)	160°/130°	150°/120°		
Contrast Ratio	≥6,000:1		≥5,000:1	
Module Power Supply Voltage DC (V)	5			
Module Maximum Current DC (A)	4.5	4.2	4	4
Module Maximum Power Consumption (W/pc)	22.5	21	20	20
Input Voltage	AC220V			
Peak Power Consumption (W/m^2)	450	420	400	400
Average Power Consumption (W/m^2)	128	120	115	115
Lifespan (h)	100,000			
Operating Environment	-20 °C ~ 40 °C, 20% ~ 75% RH			

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-E Series : 250×250

Items	SFE15	SFE19	SFE26
Pixel Pitch (mm)	1.5625	1.953	2.604
Pixel Composition	1R1G1B		
LED Type	SMD1212	SMD1515	SMD1515
Pixel Density (pixels/m^2)	409,600	262,144	147,456
Module Size (mm)	250×250×11.2		
Module Resolution (W×H)	160×160	128×128	96×96
Scan Mode	1/40	1/32	1/32
Standard Constant Current IC	PWM		
Refresh Rate (Hz)	3,840		
Frame Rate (Hz)	60		
Grayscale (bit)	13–14	14	14
Minimum Assembly Diameter (mm)	1,592	1,273	1,273
Bending Arc	171°	≥169°	≥169°
Signal Interface Type	HUB75 (non-cascading)		
Module Back Shell Material	Plastic Back Shell		
Module Weight (g/pc)	345	345±10	345±10
Flatness (mm)	≤0.3		
Protection Level	IP10		
Installation / Maintenance	Front	Front Installation / Front & Rear Maintenance	Front & Rear
Brightness (nits)	650–700	700–750	650–700
Color Temperature (K)	10,000–12,000 (adjustable)		
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01		
Viewing Angle (H/V)	150°/120°		
Contrast Ratio	≥5,000:1		
Module Power Supply Voltage DC (V)	5		
Module Maximum Current DC (A)	6	6.2	6
Module Maximum Power Consumption (W/pc)	30	31	30
Input Voltage	AC220V		
Peak Power Consumption (W/m^2)	480	500	490
Average Power Consumption (W/m^2)	140	143	140
Lifespan (h)	100,000		
Operating Environment	-20 °C ~ 50 °C, 20% ~ 90% RH	-10 °C ~ 40 °C, 20% ~ 75% RH	

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-AC Series : 480×320

Items	SFAC25
Pixel Pitch (mm)	2.5
Pixel Composition	1R1G1B
LED Type	SMD1515
Pixel Density (pixels/m^2)	160,000
Module Size (mm)	480×320×5.8
Module Resolution (W×H)	192×128
Scan Mode	1/32
Standard Constant Current IC	PWM
Refresh Rate (Hz)	3840
Frame Rate (Hz)	60
Grayscale (bit)	14–15
Minimum Assembly Diameter (mm)	1,222
Bending Arc	≥158°
Signal Interface Type	Hard Connection
Module Back Shell Material	Silicone Soft Back Shell
Module Weight (kg/pc)	1.5
Flatness (mm)	≤0.3
Protection Level	Back: IP20
Installation / Maintenance	Front Installation / Front & Rear Maintenance
Brightness (nits)	600
Color Temperature (K)	10,000–12,000 (adjustable)
Coordinates	X: 0.2500 ±0.01, Y: 0.3000 ±0.01
Viewing Angle (H/V)	150°/120°
Contrast Ratio	6,000:1
Module Power Supply Voltage DC (V)	4.2
Module Maximum Current DC (A)	14
Module Maximum Power Consumption (W/pc)	65
Input Voltage	AC100V–AC240V
Peak Power Consumption (W/m^2)	440
Average Power Consumption (W/m^2)	125
Lifespan (h)	100,000
Operating Environment	-20 °C ~ 40 °C, 20% ~ 80% RH
FLASH Function	Optional

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

Parameters

SF-CA Series : 480×160

Items	SFCA4
Pixel Pitch (mm)	4
Pixel Composition	1R1G1B
LED Type	SMD1921
Pixel Density (pixels/m^2)	625,000
Module Size (mm)	480×160×10.8
Module Resolution (W×H)	120×40
Scan Mode	1/10
Standard Constant Current IC	PWM
Refresh Rate (Hz)	≥3840
Frame Rate (Hz)	60
Grayscale (bit)	15
Minimum Assembly Diameter (mm)	917
Bending Arc	≥150°
Signal Interface Type	HUB75
Module Back Shell Material	PC+GF
Module Weight (g/pc)	560
Flatness (mm)	≤0.4
Protection Level	IP65
Installation / Maintenance	Front Installation / Front & Rear Maintenance
Brightness (nits)	4,500
Color Temperature (K)	9,000–9,500 (adjustable)
Coordinates	X: 0.2800 ±0.01, Y: 0.3000 ±0.01
Viewing Angle (H/V)	140°/120°
Contrast Ratio	3,000:1
Module Power Supply Voltage DC (V)	4.2–5
Module Maximum Current DC (A)	10
Module Maximum Power Consumption (W/pc)	50
Input Voltage	AC100V–AC240V
Peak Power Consumption (W/m^2)	670
Average Power Consumption (W/m^2)	190
Lifespan (h)	100,000
Operating Environment	-20 °C ~ 50 °C, 20% ~ 90% RH

* The specifications are for reference only. Actual parameters may vary depending on the specific model or contractual agreement.

MileStrong

Bring your ideas into reality

MileStrong Headquarters & Showroom

4/F, Building B15, Phase II, Xincheng Chuangzhi Industrial Park, No. 456 Heping Road, Furong District, Changsha, Hunan, China

Shenzhen MileStrong Conventional Display Division

Building 4, Yinjin Technology Industrial Park, Fengjing South Road, Hewan Community, Matian Subdistrict, Guangming District, Shenzhen, Guangdong, China

Shenzhen MileStrong XR/Immersive Display Division

3/F, Building 5, Xinlianhe Industrial Park, Bao'an District, Shenzhen, Guangdong, China

Shenzhen MileStrong Transparent Display Division

3/F, Tianyou Building, Yuekang Road, Bao'an District, Shenzhen, Guangdong, China

---

Shenzhen Milestrong Technology Co., Ltd.

Website | WhatsApp | WeChat | TikTok | YouTube