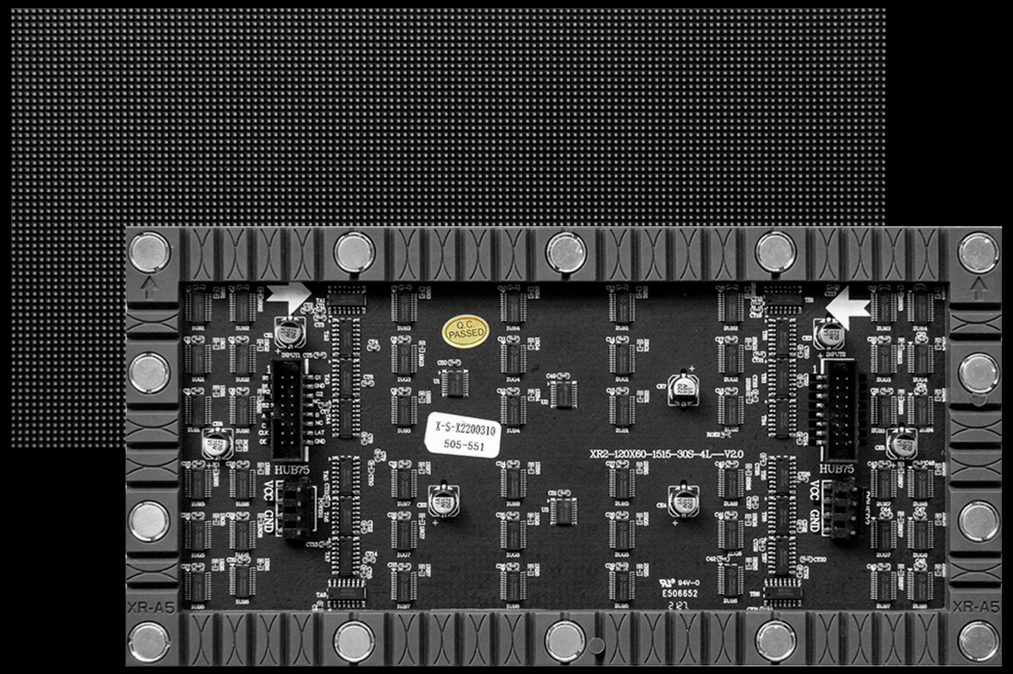
FLEXIBLE LED SCREEN

FL SERIES



FL SERIES

Pixel Pitch:P0.93 P1.25 P1.53 P1.56 P1.86 P2 P2.5 P3 P4

Module size:240*120mm/320*160mm

Module size:150*337.5mm

LED Package:SMD/GOB

Brightness:600-800cd/m²

Refresh rate:3840Hz

Flexible Module

Optional GOB Protection

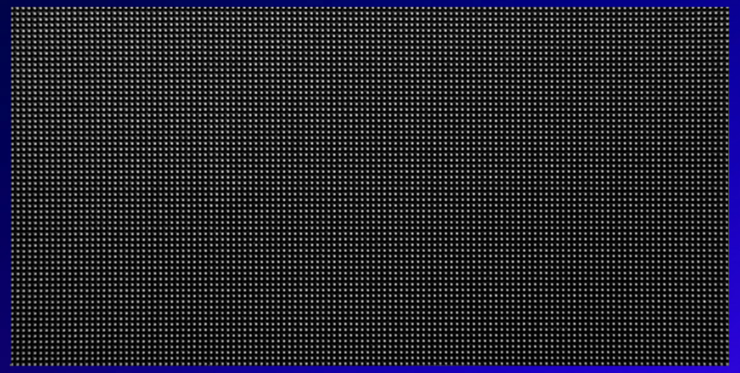
Ultra Thin and Light

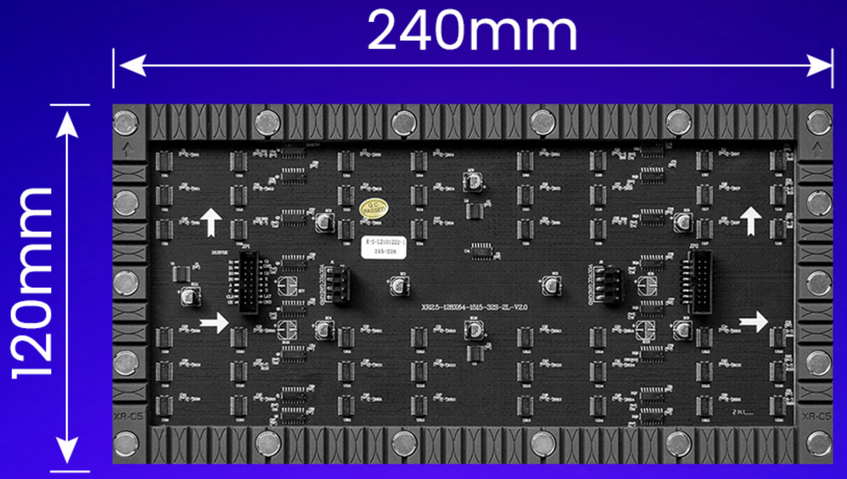
Front Maintenance

5000:1 High Contrast Ratio

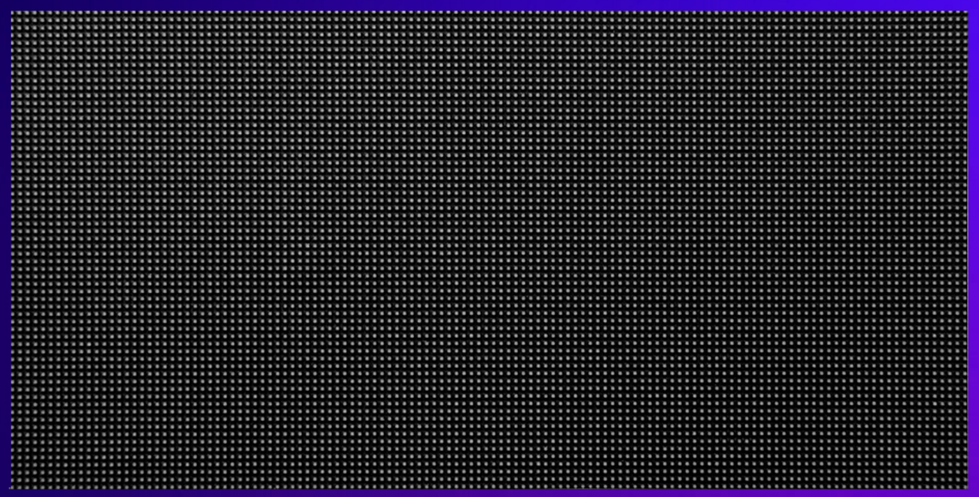
Energy Conservation

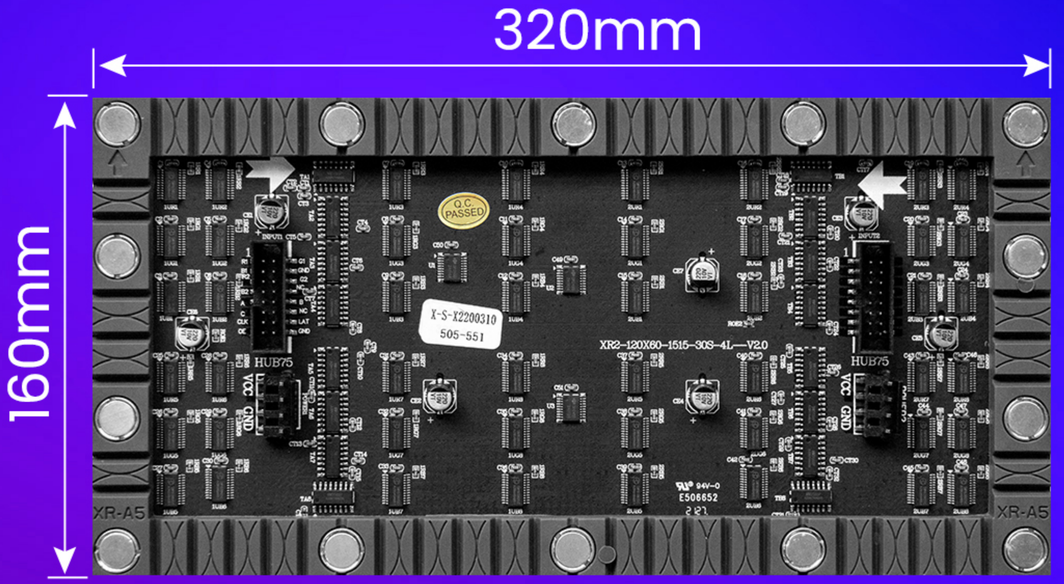
DIMENSIONS





Module size:240x120mm





Module size:320x160mm

FLEXIBLE CREATIVE DESIGN

Curved, cylindrical, wave-shaped, and custom LED configurations.



MAGNETIC FRONT MAINTENANCE

Fast module installation and convenient front servicing.



3840HZ HIGH REFRESH RATE

Smooth, stable, and camera-friendly visuals.

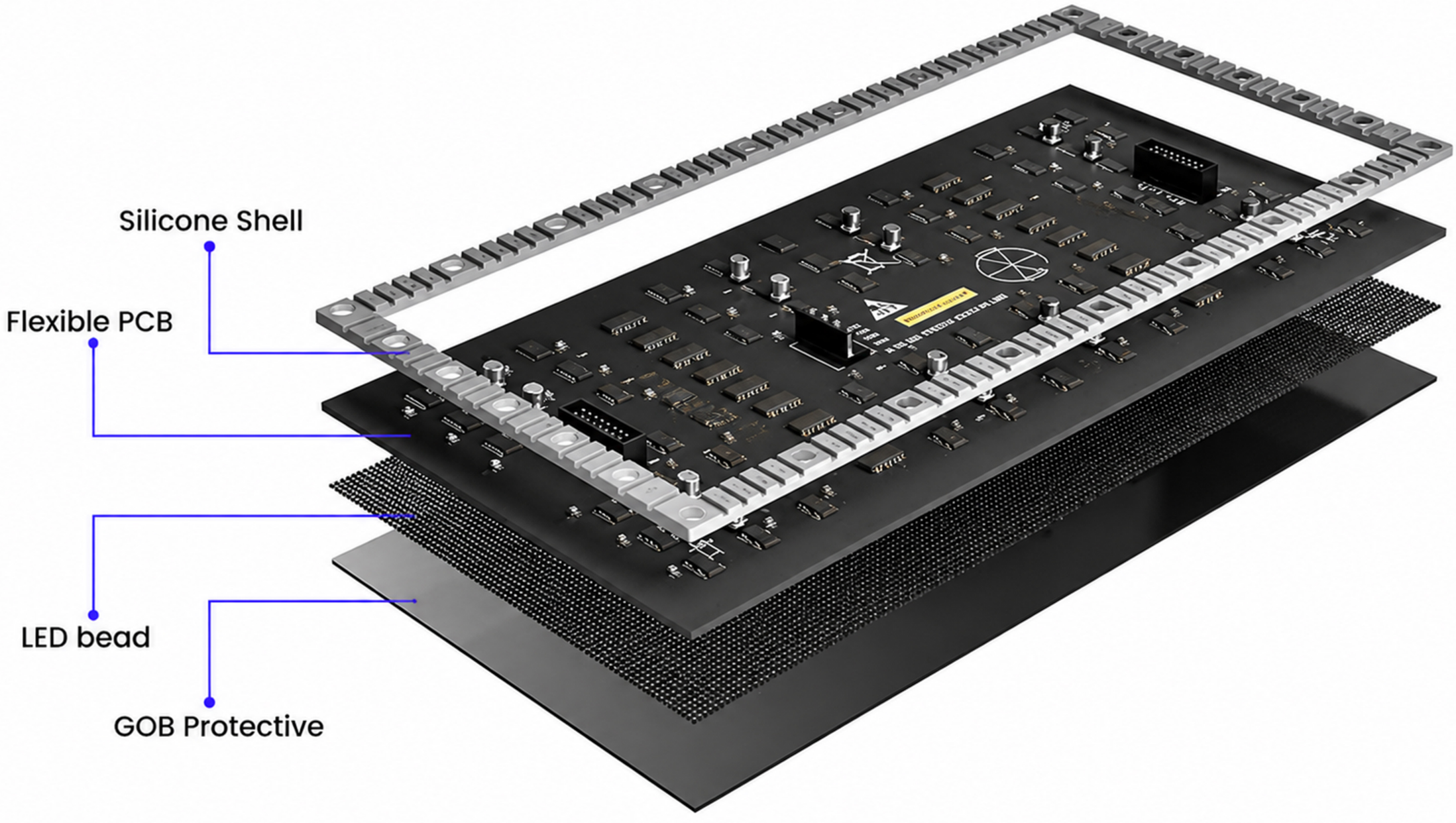
5000:1 HIGH CONTRAST

Rich image details and enhanced visual depth.



OPTIONAL GOB PROTECTION

Enhanced resistance to impact, dust, and moisture.



140° WIDE VIEWING ANGLE

Consistent visuals from different viewing positions.



APPLICATION

Designed for creative commercial displays and immersive spaces.













240X120MM SPECIFICATIONS

Pixel Pitch	P0.9375	P1.25	P1.579	P1.667	P1.875	P2	P2.5	P3	P4
LED Package Type	Mini LED 4-in-1	SMD1010	SMD1212	SMD1212	SMD1515	SMD1515	SMD1515	SMD1515	SMD2020
Pixel Density (pixels/m²)	1,137,775	640,000	401,110	359,999	284,444	250,000	160,000	111,111	62,500
Module Dimensions (L × H × D, mm)	240 × 120x8.6								
Module Resolution	256 × 128	192 × 96	152 × 76	144 × 72	128 × 64	120 × 60	96 × 48	80 × 80	60 × 30
Scan Mode	64	48	38	36	32	30	24	20	15
Refresh Rate (Hz)	1920-3840								
Frame Rate (Hz)	60								
Grayscale (bit)	12-14								
Assembly Diameter (mm)	1222	1222	917	764	611	611	306	306	306
Bending Angle	≥169°	≥169°	≥165°	≥162°	≥158°	≥158°	≥135°	≥135°	≥135°
Module Base Material	Silicone Rubber Flexible Base								
Module Weight (g/pc)	220	220	210	200	217	210	190	190	175
Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Module Protection Rating	No Protection								
Installation / Maintenance	Front or Rear Installation / Maintenance								
Brightness (cd)	500–550	600–650	700–750	700–750	750–800	750–800	750–800	750–800	800–850
Color Temperature (K)	10,000–12,000 (Adjustable)								
Chromaticity Coordinates	X: 0.2500; Y: 0.3000; ±0.01								
Horizontal / Vertical Viewing Angle	H: 150°; V: 120°								
Contrast Ratio	≥5000:1	≥6000:1	≥6000:1	≥6000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Module Supply Voltage DC (V)	R: 2.8; G/B: 3.8	5	5	5	5	5	5	5	5
Maximum Module Current DC (A)	3.8	3.2	2.8	2.8	2.8	2.8	2.6	2.5	2.6
Maximum Module Power (W/pc)	14	16	14	14	14	14	13	12.5	13
Operating Input Voltage AC (V)	220	220	220	220	220	220	220	220	220
Peak Power Consumption (W/m²)	490	560	490	490	490	490	460	440	460
Average Power Consumption (W/m²)	140	160	140	140	140	140	130	130	130
Typical Lifetime (h)	100,000								
Operating Temperature Range (°C)	-20 to 40								
Operating Humidity Range (RH)	20%–75%								

320X160MM SPECIFICATIONS

Pixel Pitch	P1.25	P1.538	P1.56	P1.86	P2	P2.5	P3	P4
Pixel Configuration	1R1G1B (Full Color)							
LED Package Type	SMD 1010 TOP	SMD 1212	SMD 1212	SMD 1515	SMD 1515	SMD 1515	SMD 1515	SMD 2020
Pixel Density (pixels/m²)	640,000	422,500	406,406	288,906	250,000	160,000	105,625	62,500
Module Dimensions (L × H × D, mm)	320 × 160 × 8.6							
Module Resolution	256 × 128	208 × 104	204 × 102	172 × 86	160 × 80	128 × 64	104 × 52	80 × 40
Scan Mode	64	52	51	43	40	32	26	20
Standard Constant-Current Driver IC	PWM	PWM	PWM	PWM	PWM	Dual Buffer or PWM	Dual Buffer	Dual Buffer
Refresh Rate (Hz)	1920–3840							
Frame Rate (Hz)	60							
Grayscale (bit)	13–14	13–14	13–14	12–13	12–13	12	12	12
Splicing Diameter (mm)	1222	1019	815	611	611	407	407	407
Bending Angle	≥165°	≥162°	≥158°	≥150°	≥150°	≥135°	≥135°	≥135°
Module Base Material	Silicone Rubber Flexible Base							
Module Weight (g/pc)	330	340	340	340	340	290	290	280
Flatness (mm)	≤0.3	≤0.3	≤0.3	≤0.5	≤0.5	≤0.5	≤0.5	≤0.5
Module Protection Rating	No Protection							
Installation / Maintenance	Front or Rear Installation / Maintenance							
Brightness (cd/m²)	600–650	600–650	600–650	700–750	700–750	700–750	650–750	700–750
Color Temperature (K)	10,000–12,000 (Adjustable)							
Chromaticity Coordinates	X: 0.2500; Y: 0.3000; ±0.01							
Horizontal / Vertical Viewing Angle	H140° V120°	H150° V120°	H150° V120°	H150° V120°	H150° V120°	H150° V120°	H150° V120°	H140° V120°
Contrast Ratio	≥6000:1	≥6000:1	≥6000:1	≥5000:1	≥6000:1	≥6000:1	≥6000:1	≥5000:1
Module Supply Voltage DC (V)	5							
Maximum Module Current DC (A)	5	4.5	4.4	4.6	4.2	4.2	4.2	3.6
Maximum Module Power (W/pc)	30	22.5	22	23	21	21	21	18
Operating Input Voltage AC (V)	220							
Peak Power Consumption (W/m²)	600	440	430	450	410	410	410	360
Average Power Consumption (W/m²)	170	125	125	128	118	118	118	103
Typical Lifetime (h)	100,000							
Operating Temperature Range (°C)	-20 to 40							

DDW DISPLAY

5 YEARS WARRANTY

Common warranty in LED field is 2 years, ours is 5
Longer warranty periods, better after-sale services
worry-free user experience

- OEM&ODM
- 1000+ Projects
- 5 days Fast delivery
- Door to door
- 3D Installation video
- Sample support



www.ddw.net

DDW DISPLAY

CERTIFICATE



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