



UNITED SIGNS
DIGITAL DISPLAYS

MB Series



The perfect LED solution for:

Hospitality | Schools | Sports Stadiums |
Entertainment Venues | Retail | Manufacturing



SPECIFICATIONS

Parameter	Unit	MB3	MB6	MB8	MB10	MB12.5	MB16
Pixel pitch	mm	3.846	6.25	8.333	10	12.5	16.667
Brightness	nits	5000	6000~6500				6000~6500
Pixel configuration	R/G/B	SMD3 in 1					
Colour temperature	deg.K	6500					
Viewing angle-Horizontal (50% brightness)	deg.	140(+70/-70)					
Viewing angle-Vertical (50% brightness)	deg.	+30-50	+15-40	+30-45	+55-65	+55-65	+55-65
Recommended minimum viewing distance	m	4	6	8	10	12.5	16
Panel width	mm	800					
Panel height	mm	900					
Panel depth	mm	112					
Panel area	m ²	0.72					
Panel material		Aluminum					
Panel weight	Kg	29.5KG/sqm					
Ingress protection (front/back)	IP	65/54					
Pixel matrix per panel		208*234	128*144	96*108	80*90	64*72	48*54
Brightness control		255					
Gray scale	bit	14					
Frame rate	Hertz	50/60					
Display refresh rate	Hertz	3840					
Input voltage	VAC	100~240					
Input power frequency	Hertz	50~60					
Input power (Max.)	W/m ²	680±10%	680±10%	680±10%	680±10%	680±10%	450±10%
Input power (Avg.)	W/m ²	238±10%	238±10%	238±10%	238±10%	238±10%	157±10%
Operating temperature range	deg.0	- 30 ~ +50					
Lifetime (50% brightness)	Hours	100,000					



FEATURES

- Available pixel: 3.8mm/6.25mm/8.3mm/10mm/12.5mm/16mm
- Ultra-light: 29.5kg/sqm
- Noise free, no fan design
- 30% power saving solution
- High brightness >6500nits, high refresh rate: 3840Hz
- Cabinet size: 800mm*900mm, specially made for screen ratio 16:9
- Module with safety rope design, improve safety performance
- Patented water-guiding groove design on the cabinet
- Patented high and low double module mask louver design, improve contrast ratio to be 4000:1
- Good heat dissipation with professional sink power box
- Fully front & rear maintenance for both modules & power box
- No rear installation space requested, wall-mounted with simple frame
- Double safety design, fuse in modules & power design
- Upgraded version for perimeter design with soft rubber mask & support



**United
Signs, LLC**

Atlanta | Dallas