



RB Series

High-Transparency Outdoor
Rental LED Display

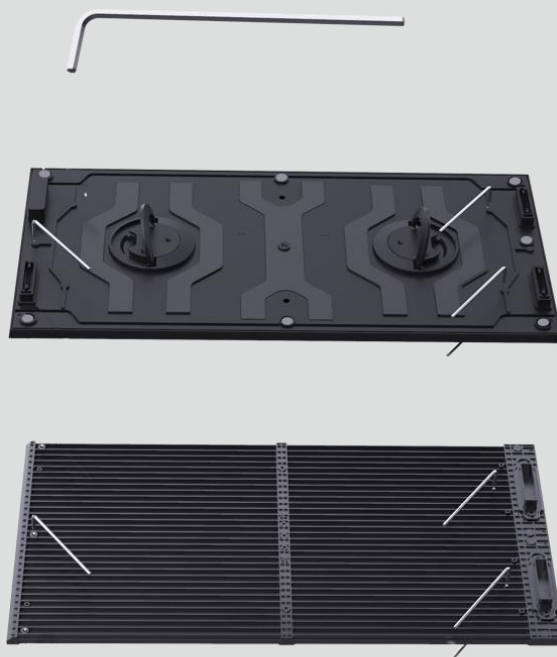
- Ultra-light & slim: ideal for large stage applications
- Sizes: 1000×1000mm / 1000×500mm
- Min. weight: 16.5 kg/m²
- Max transparency: 62%
- Curve range: -10° to +10°

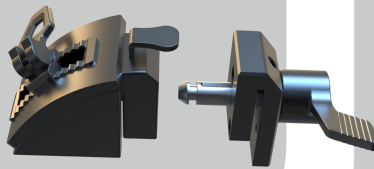
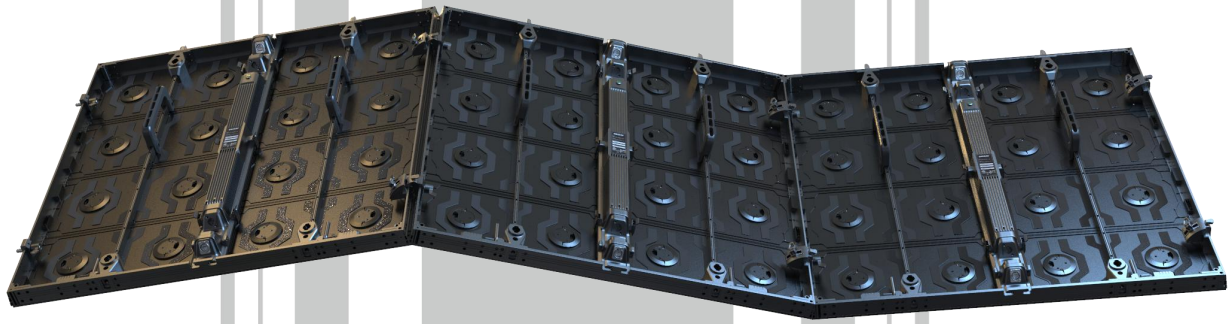


- Modular design – hot-swappable power supplies & modules
- Magnetic + safety screw modules – full front & rear serviceability
- Hub board with integrated fuses – multi-level protection
- Transparent & conventional panels – mutually spliceable

Module size: 500×250mm
Optional: transparent or solid modules

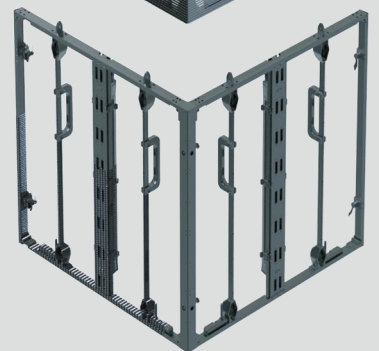
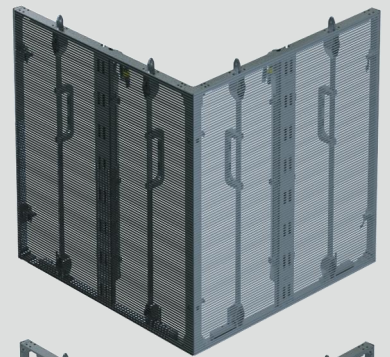
Anti-lamp collision structure on bottom frame

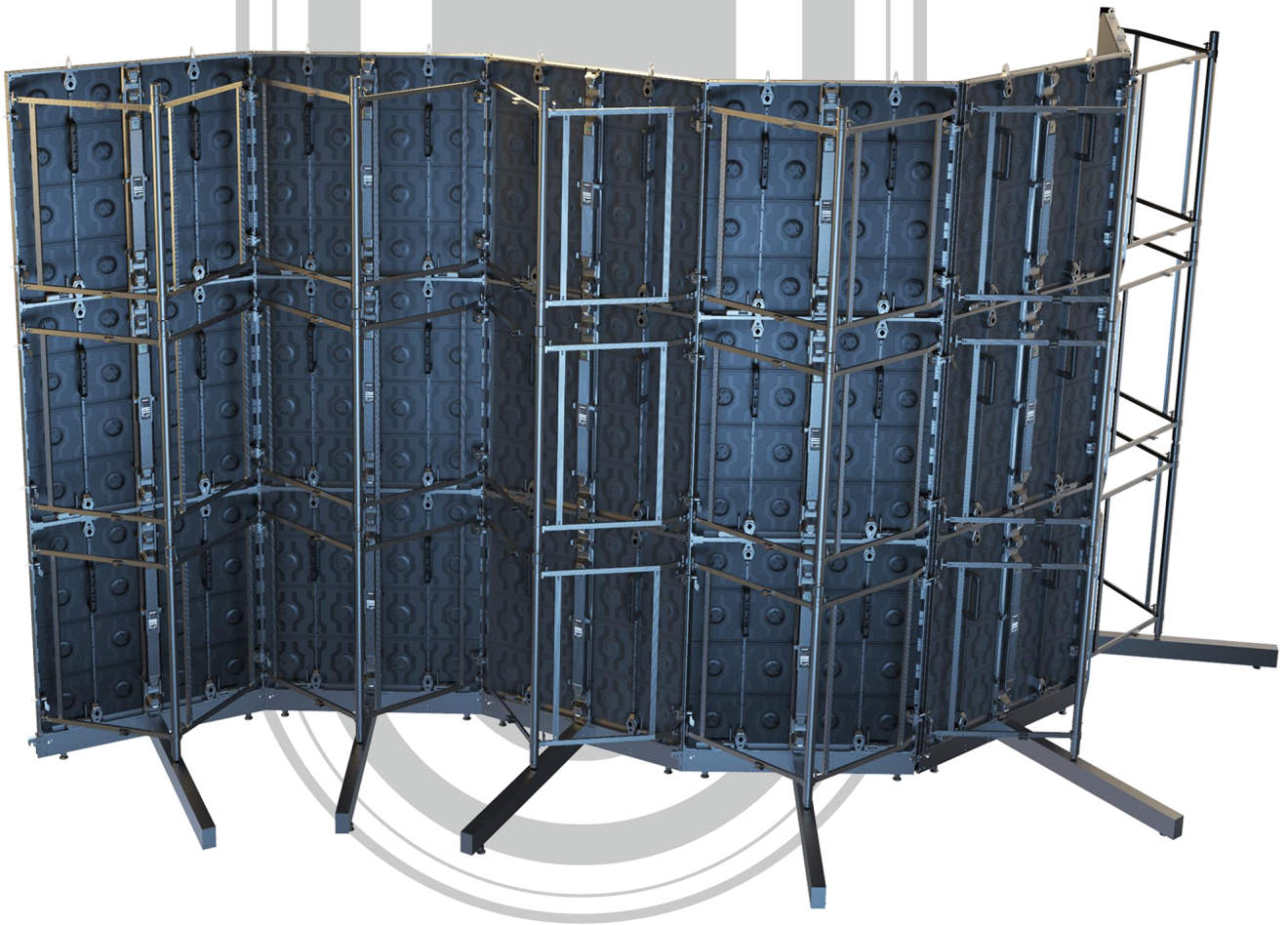




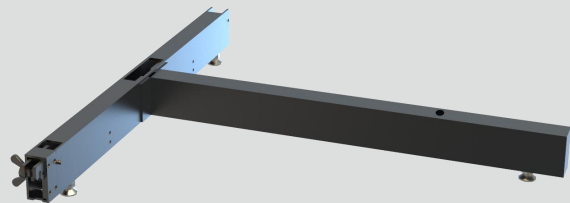
Curve angle degrees: -10° , -5° , 0° , $+5^{\circ}$, $+10^{\circ}$

Supports 90° right-angle splicing
 Four-side column mounting
 Flat, concave & convex layouts
 Flexible combinations – unlimited creative stage designs





- Supports flat & curved stacking
- Stacking and hanging bars feature a universal, interchangeable design
- Optional conventional frames and windproof reinforced rear frames to suit diverse application scenarios



RB stacking accessories

Universal hanging & stacking bar

1-in-1: 1000×50×100mm

2-in-1: 2000×50×100mm

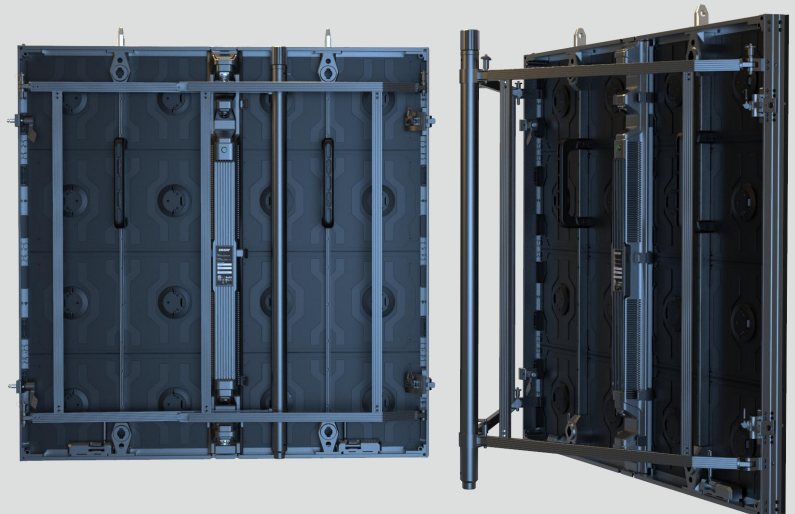
Rear Frame

1-in-1: 1000×300×50mm

2-in-1: 2000×300×50mm

Ground support bar: 700×50×100mm

Quick lock for rear frame





Hanging bar & dolly optional
Max hanging load: 15 panels

Hanging bar: 1-in-1 design (959×100×50mm)

Dolly capacity: 6 panels per dolly

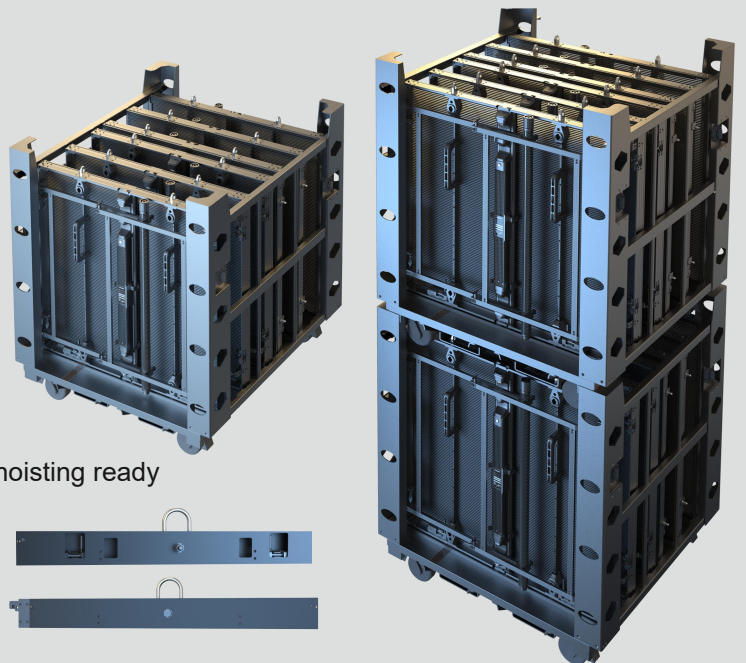
Standard industrial size – truck-friendly

20ft container: 8 trolleys / 64 m² LED system

40ft container: 34 trolleys / 272 m² LED system

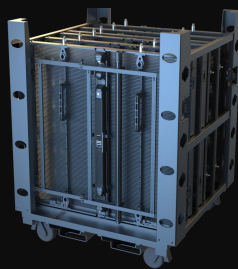
Supports double stacking

Dolly doubles as shipping packaging – vertical stacking & hoisting ready





Flight case specifications
Loading specification: 6 panels per case
Dimension: 1070×825×1250mm (H)



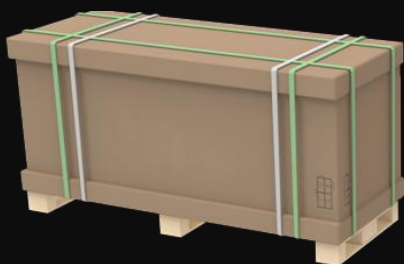
Dolly packaging specifications
Loading specification: 6 panels per dolly
Dimension: 1104×1092×1322mm (H)



Data cable
Neutrik & Seetronic connectors optional
Vertical jumper cable length: 0.5m



Power cable
Neutrik & Seetronic connectors optional
Vertical jumper cable length: 0.5m



Carton packaging specifications
Loading specification: 6 panels per carton
Dimension: 1070×805×1200mm (H)

Specifications

Parameter	Unit	RB3-7	RB7	RB8	RB10	RB15
Pixel pitch	mm	3.9-7.8 (H-V)	7.8	8.3	10.4	15.6
Brightness	nits	≥4000	≥5000	≥5000	≥5000	≥8000
Pixel configuration	R/G/B	SMD 3 in 1				
Color temperature	K	6500				
Viewing angle-Horizontal (50% brightness)	Deg.	140 (+70/-70)				
Viewing angle-Vertical (50% brightness)	Deg.	140 (+70/-70)				
Recommended minimum viewing distance	m	4	7	8	10	15
Panel width	mm	1000				
Panel height	mm	1000/500				
Panel depth	mm	80				
Panel area	m ²	1				
Panel material		Aluminum				
Panel weight	Kg	16.5/11				
Ingress protection (front/back)	IP	65/54				
Pixel matrix per panel		256×128/256×64	128×128/128×64	120×120/120×60	96×96/96×48	64×64/64×32
Brightness control		255				
Gray scale	bit	14				
Frame rate	Hz	50/60				
Display refresh rate	Hz	3840/7680				
Input voltage	VAC	100 ~ 240				
Input power frequency	Hz	50 ~ 60				
Power Consumption (Max.)	W/m ²	550±10%	550±10%	550±10%	550±10%	650±10%
Power Consumption (Avg.)	W/m ²	192±10%	192±10%	192±10%	192±10%	210±10%
Operating temperature range	°C	-15 ~ +55				
Lifetime (50% brightness)	Hours	100,000				
Transparency	%	50	60	60	62	65