

Specifications

Ruby	RB1.5	RB1.5F	RB2.3
Pixel Pitch	1.56mm	1.56mm	2.31mm
Max Brightness Calibrated	800nits	1000nits	1500nits
Panel Dimension	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 71mm 19.7" x 19.7" x 2.8"	500mm x 500mm x 68mm 19.7" x 19.7" x 2.68"
Panel Resolution (H x V)	320 x 320	320 x 320	216 x 216
Panel Weight	8.16kg; 17.99lbs	9.06kg; 19.97lbs	8.16kg; 17.99lbs
Power Consumption Max / Average	210W / 105W	240W / 120W	180W / 90W
BTU Max / Average	717/ 330	819 / 377	614 / 283
Transparency	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear
Curving (Concave & Convex) *1	Concave 5°-Convex 3°	Concave 5°-Convex 3°	Concave 5°-Convex 3°
Max. Hanging (panels) *2	20	20	20
Max. Stacking (panels) *3	10	10	12
LED Configuration	4 in 1 common cathode	1010 flip chip	4 in 1 common cathode
Viewing Angle Horizontal	140°	140°	140°
Viewing Angle Vertical	140°	140°	140°
Scan Ratio	1/16	1/10	1/12
Refresh Rate	3840Hz	7680Hz	3840Hz
Gray Scale	14bit	16bit	14bit
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
Processing Platform	MVR / Brompton	MVR / Brompton	MVR / Brompton
Operational Temp / Humidity	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH	-20°-45°C, 10-90%RH -4°-113°F, 10-90%RH
Storage Temp / Humidity	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH	-40°-60°C, 10-90%RH -40°-140°F, 10-90%RH
IP Rating	Indoor	Indoor	Indoor
Certifications	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS
3D Ready	Yes	Yes	Yes

*Notes: The Specifications are for reference, actual values may vary.

1. Convex curving ability only applies to custom tiles.
2. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation, safety factor is 8. No climbing is allowed.
3. The max. stacking amount is only valid when the ROE Visual stacking system and complementary accessories are used, sufficient ballast is applied and in an indoor situation. No climbing is allowed.



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