

Specifications

Ruby	RB1.5F	RB1.9F	RB2.6F
Pixel Pitch	1.56mm	1.95mm	2.604mm
Max Brightness Calibrated	1000nits	1100nits	2500nits
Panel Dimension	500mm x 500mm x 71mm 19.7" x 19.7" x 2.8"	500mm x 500mm x 70mm 19.7" x 19.7" x 2.76"	500mm x 500mm x 68mm 19.7" x 19.7" x 2.68"
Panel Resolution (H x V)	320 x 320	256 x 256	192 x 192
Panel Weight	8.46kg; 18.65lbs	8.6kg; 18.96lbs	8.02kg; 17.68lbs
Power Consumption Max / Average	250W / 125W	240W / 120W	210W / 105W
BTU Max / Average	853 / 426	819 / 377	717 / 330
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 5°
Max. Hanging (panels) *2	20	20	20
Max. Stacking (panels) *3	12	12	12
LED Configuration	1010 flip chip	1010 flip chip	1515 flip chip
Viewing Angle Horizontal	140°	140°	140°
Viewing Angle Vertical	140°	140°	140°
Scan Ratio	1/10	1/8	1/8
Refresh Rate	7680Hz	7680Hz	7680Hz
Gray Scale	16bit	16bit	16bit
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.



www.roevisual.com

Specifications

Ruby	RB1.9B
Pixel Pitch	1.95mm
Max Brightness Calibrated	1500nits
Panel Dimension	500mm x 500mm x 68mm 19.7" x 19.7" x 2.68"
Panel Resolution (H x V)	256 x 256
Panel Weight	8.8kg; 19.4lbs
Power Consumption Max / Average	140W / 70W
BTU Max / Average	478 / 220
Transparency	Solid
Serviceability	Front / Rear
Curving (Concave & Convex) *1	Concave 5°-Convex 3°
Max. Hanging (panels) *2	20
Max. Stacking (panels) *3	12
LED Configuration	SMD1212 Black
Viewing Angle Horizontal	140°
Viewing Angle Vertical	140°
Scan Ratio	1/16
Refresh Rate	3840Hz
Gray Scale	14bit
Frame Material	Magnesium Alloy
Processing Platform	MVR / Brompton
Operational Temp / Humidity	-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
IP Rating	Indoor
Certifications	CE, ETL, FCC
3D Ready	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.



www.roevisual.com

Specifications

Ruby	RB1.5	RB2.3
Pixel Pitch	1.56mm	2.31mm
Max Brightness Calibrated	800nits	1500nits
Panel Dimension	500mm x 500mm x 73mm 19.7" x 19.7" x 2.87"	500mm x 500mm x 68mm 19.7" x 19.7" x 2.68"
Panel Resolution (H x V)	320 x 320	216 x 216
Panel Weight	8.16kg; 17.99lbs	8.16kg; 17.99lbs
Power Consumption Max / Average	210W / 105W	180W / 90W
BTU Max / Average	717 / 330	614 / 283
Transparency	Solid	Solid
Serviceability	Front / Rear	Front / Rear
Curving (Concave & Convex) *1	Concave 5°-Convex 3°	Concave 5°-Convex 3°
Max. Hanging (panels) *2	20	20
Max. Stacking (panels) *3	12	12
LED Configuration	4 in 1 common cathode	4 in 1 common cathode
Viewing Angle Horizontal	140°	140°
Viewing Angle Vertical	140°	140°
Scan Ratio	1/16	1/12
Refresh Rate	3840Hz	3840Hz
Gray Scale	14bit	15bit
Frame Material	Magnesium Alloy	Magnesium Alloy
Processing Platform	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
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
IP Rating	Indoor	Indoor
Certifications	CE, ETL, FCC, RoHS	CE, ETL, FCC, RoHS
3D Ready	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.



www.roevisual.com

Specifications

Ruby C	RB-C2.3
Pixel Pitch	2.31mm
Max Brightness Calibrated	1500nits
Panel Dimension	500mm x 500mm x 100mm 19.7" x 19.7" x 3.94"
Panel Resolution (H x V)	216 x 216
Panel Weight	7.4kg; 16.31lbs
Power Consumption Max / Average	180W / 90W
BTU Max / Average	614 / 283
Transparency	Solid
Curving (Concave & Convex) *1	Concave 30°-Convex 30°
Max. Hanging (panels) *2	20
Max. Stacking (panels) *3	12
LED Configuration	4 in 1 common cathode
Viewing Angle Horizontal	140°
Viewing Angle Vertical	140°
Scan Ratio	1/12
Refresh Rate	3840Hz
Gray Scale	14bit
Frame Material	Magnesium Alloy
Processing Platform	MVR / Brompton
Operational Temp / Humidity	-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
IP Rating	Indoor
Certifications	CE, ETL, FCC
3D Ready	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.



www.roevisual.com