

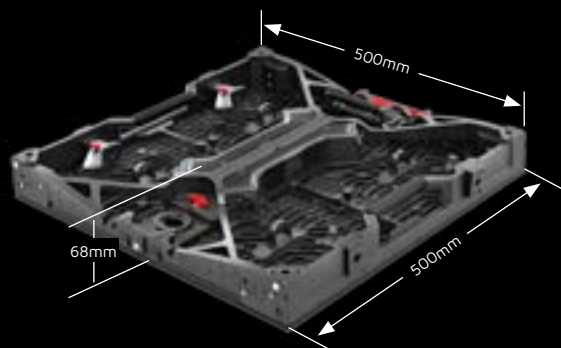
# Specifications

Module	Ruby 1.5	Ruby 1.5F	Ruby 2.3
Pixel Pitch	1.56mm	1.56mm	2.31mm
Max Brightness Calibrated	800nits	1,000nit	1,500nits
Panel Dimension	500 x 500 x 73mm 19.7" x 19.7" x 2.87"	500 x 500 x 71mm 19.7" x 19.7" x 2.8"	500 x 500 x 68mm 19.7" x 19.7" x 2.68"
Panel Resolution (H x V)	320 x 320	320 x 320	216 x 216
Weight Per Panel	8.16kg; 17.99lbs	8.46kg; 18.65lbs	8.16kg; 17.99lbs
Power Consumption Max/Average	204W / 102W	243W / 121W	180W / 90W
BTU Max/Average	696 / 320	829 / 381	614 / 282
Transparency	Solid	Solid	Solid
Serviceability	Front / Rear	Front / Rear	Front / Rear
Curving (Concave & Convex)*3	Concave 5°-Convex 3°	Concave 5°-Convex 3°	Concave 5°-Convex 5°
Max. Hanging (panels)*1	20	20	20
Max. Stacking (panels)*2	10	10	12
LED Configuration	4 in 1 common cathode	1010 flip chip	4 in 1 common cathode
Viewing Angle Vertical	140°	140°	140°
Viewing Angle Horizontal	140°	140°	140°
Multiplexing	16	10	12
Refresh Rate	3840Hz	7680Hz	3840Hz
Gray Scale	14bit	16bit	14bit
Frame Material	Magnesium Alloy	Magnesium Alloy	Magnesium Alloy
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. The max. hanging amount is only valid when the ROE Visual hanging bar and complementary accessories are used and in an indoor situation. No climbing is allowed.
2. 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.
3. Convex curving ability only applies to custom tiles.

## Dimensions



[www.roevisual.com](http://www.roevisual.com)

ROE Visual Co., Ltd. | ROE Visual US, Inc. | ROE Visual Europe BV  
 roe@roevisual.com | roe@roevisual.com | roe@roevisual.com