

Technical Data Sheet

1. Collection	LUMINOS				
2. Category of tile	BI Unglazed tile				
3. Length, Width & Thickness	235.0 x 14.0 x 15.5 (max) mm	235.0 x 14.0 x 14.0 mm	235.0 x 18.5 x 16.0 (max) mm	235.0 x 25.0 x 8.5 mm	235.0 x 25.0 x 10.0 mm
4. Item number	HAL-R/LNS-1~LNS-5				

characteristics		JIS A 5209	JIS A 5209	JIS A 5209	JIS A 5209	JIS A 5209
Length (mm)		235.0 ± 2.4	235.0 ± 2.4	235.0 ± 2.4	235.0 ± 2.4	235.0 ± 2.4
Width (mm)		14.0 ± 0.8	Specified by the manufacturer ¹⁾	18.5 ± 0.8	25.0 ± 0.8	25.0 ± 0.8
Crook (mm)	Length	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
	Width	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Thickness (mm)		Specified by the manufacturer ²⁾	± 1.2	Specified by the manufacturer ²⁾	Specified by the manufacturer ²⁾	Specified by the manufacturer ²⁾
Centre curvature (mm)		N/A	± 1.5	N/A	N/A	N/A
Torsion (mm)		N/A	N/A	N/A	N/A	N/A
Edge curvature (mm)		N/A	N/A	N/A	N/A	N/A
Straightness of sides (mm)		± 1.6	± 1.6	± 1.6	± 1.6	± 1.6
Rectangularity (mm)		N/A	N/A	N/A	N/A	N/A
Shape of back feet		N/A	N/A	N/A	N/A	N/A
Height of back feet (mm)		N/A	N/A	N/A	N/A	N/A
Water absorption (%) (Vacuum method)		≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
Breaking strength (N)		≥ 540	≥ 540	≥ 540	≥ 540	≥ 540
Thermal shock resistance		N/A	N/A	N/A	N/A	N/A
Crazing resistance		N/A	N/A	N/A	N/A	N/A
Frost resistance		No damage	No damage	No damage	No damage	No damage
Resistance to chemicals		Declared value	Declared value	Declared value	Declared value	Declared value

1) Width is not specified by JIS because the side of this shape is rough.

2) Thickness is not specified by JIS because the surface of this shape is rough.

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Note :

1. Testing methods are in compliance with JIS A5209:2020 and JIS A 1509.
2. Manufacture a unit by combining tiles of 5 different shapes.