

Product sizes

Size code		Model TMR		Model TGR		Model TMF	Model TGF	
		● 010	● 014	● 010	● 014	● 014	● 014	● 021
Outside flashing	in.	27 x 27	29 ³ / ₄ x 30 ⁵ / ₈	25 ¹ / ₂ x 25 ¹ / ₂	29 x 29	29 ³ / ₄ x 30 ⁵ / ₈	29 x 29	37 x 37
Rough opening (ceiling)	in.	10 ¹ / ₂	14 ¹ / ₂	10 ¹ / ₂	14 ¹ / ₂	14 ¹ / ₂	14 ¹ / ₂	22 ¹ / ₂
Rough opening (roof deck)	in.	14 ¹ / ₂ x 16	14 ¹ / ₂ x 20	14 ¹ / ₂ x 14 ¹ / ₂	14 ¹ / ₂ x 18	14 ¹ / ₂ x 20	14 ¹ / ₂ x 18	22 ¹ / ₂ x 26
Daylight area	sq. in.	65.29	137.82	65.29	137.82	137.82	137.82	314.00
Net wt (w/ acrylic)	lbs.	20	29	19	28	26	24	36
Standard tubing kit length	in.	48*	48*	48*	48*	96	96	72
Maximum recommended install length	ft.	20	20	20	20	8	8	12

*Subtract approximately 6" for flashing

Testing data

For more detailed product information and for data updates visit our website at www.veluxusa.com. (User is advised to verify critical values have not changed since publication.)

Glazing option	VSE VS	FS	VCE VCM	FCM	QVE QVM	QFS
Air infiltration, l/s/m2 (cfm/ft2) at 75 Pa (1.57 lbf/ft2) air pressure						
All glazings	0.10 (0.02)	0.71 (0.14)	0.41 (0.08)	0.30 (0.06)	0.36 (0.07)	0.25 (0.05)
Water penetration "No entry" pressure, Pa (lbf/ft2) at 3.4 l/m/min (5 US gal/ft/hr) water flow						
All glazings	466.5 (9.75)	466.5 (9.75)	360 (7.5)	720 (15)	580 (12)	580 (12)
U-factor, (Btu/hr/ft2/°F)						
Laminated (74)	0.50	0.47	0.60	0.50	0.49	0.45
Tempered (75)	0.50*	0.48	0.60**	0.50	0.50***	0.47
Solar heat gain, SHGC, %						
Laminated (74)	0.29	0.33	0.29	0.32	0.29	0.33
Tempered (75)	0.29*	0.33	0.29**	0.32	0.29***	0.33
Visible transmittance, Vt, %						
Laminated (74)	0.48	0.54	0.48	0.53	0.48	0.54
Tempered (75)	0.49*	0.55	0.49**	0.53	0.49***	0.55
Classical UV protection, %						
Laminated (74)	99.9	99.9	99.9	99.9	99.9	99.9
Tempered (75)	87*	87	87**	87	87***	87
Total fading protection, %						
Laminated (74)	83	83	83	83	83	83
Tempered (75)	75*	75	75**	75	75***	75
Downward load, lbf/ft2						
Laminated (74)	65 to 135	65 to 188	50	175	145	165
Tempered (75)	NA	NA	50**	200	NA***	NA
Uplift load, lbf/ft2						
Laminated (74)	50 to 63	60 to 80	70	120	50	50
Tempered (75)	NA	NA	60**	70	NA***	NA

*VS only **VCM only ***QVM only

Glazing option	TGR	TGF	TMR	TMF
Air infiltration, l/s/m2 (cfm/ft2) at 75 Pa (1.57 lbf/ft2) air pressure				
All glazings	<0.05 (<0.01)	<0.05 (<0.01)	<0.05 (<0.01)	<0.05 (<0.01)
Water penetration "No entry" pressure, Pa (lbf/ft2) at 3.4 l/m/min (5 US gal/ft/hr) water flow				
All glazings	720 (15)	720 (15)	720 (15)	720 (15)
U-factor, (Btu/hr/ft2/°F)				
Acrylic	0.42	0.43	0.42	0.43
Polycarbonate	0.42	0.43	0.42	0.43
Solar heat gain, SHGC, %				
Acrylic	0.40	0.35	0.40	0.35
Polycarbonate	0.40	0.35	0.40	0.35
Visible transmittance, Vt, %				
Acrylic	NA	NA	NA	NA
Polycarbonate	NA	NA	NA	NA
Downward load, lbf/ft2				
Acrylic	200	200	220	220
Polycarbonate	210	210	210	210
Uplift load, lbf/ft2				
Acrylic	85	85	140	140
Polycarbonate	90	90	105	105