

### Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones				
					Northern	North-Central	South-Central	Southern	
150/160 Single Hung	SS Clear Glass No Grid	0.49	0.62	0.65					
	DS Clear Glass No Grid	0.49	0.61	0.64					
	SS Low-E Glass No Grid	0.36	0.33	0.56					
	DS Low-E Glass No Grid	0.36	0.33	0.56					
	SS Low-E/Argon Glass No Grid	0.32	0.33	0.56		•			
	DS Low-E/Argon Glass No Grid	0.32	0.33	0.56		•			
	SS Ultra Low-E/Argon No Grid	0.32	0.22	0.51		•	•	•	
	DS Ultra Low-E/Argon No Grid	0.32	0.22	0.50		•	•	•	
	SS Ultra Low-E/Argon <i>Northern Zone</i> No Grid	0.30	0.22	0.51	•	•	•	•	
	DS Ultra Low-E/Argon <i>Northern Zone</i> No Grid	0.30	0.22	0.50	•	•	•	•	
	SS Clear Glass with Flat or 5/8" Contour Grid	0.49	0.55	0.57					
	DS Clear Glass with Flat or 5/8" Contour Grid	0.49	0.61	0.57					
	SS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.30	0.50					
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.30	0.05					
	SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.32	0.30	0.50		•	•		
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.32	0.29	0.50		•	•		
	SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.20	0.45		•	•	•	
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.20	0.45		•	•	•	
	SS Ultra Low-E/Argon <i>Northern Zone</i> with Flat or 5/8" Contour Grid	0.30	0.20	0.45	•	•	•	•	
	DS Ultra Low-E/Argon <i>Northern Zone</i> with Flat or 5/8" Contour Grid	0.30	0.20	0.45	•	•	•	•	
	SS Clear Glass with 1" Contour Grid	0.49	0.56	0.58					
	DS Clear Glass with 1" Contour Grid	0.49	0.54	0.57					
	SS Low-E Glass with 1" Contour Grid	0.37	0.30	0.50					
	DS Low-E Glass with 1" Contour Grid	0.37	0.30	0.50					
	SS Low-E/Argon Glass with 1" Contour Grid	0.33	0.30	0.50			•		
	DS Low-E/Argon Glass with 1" Contour Grid	0.33	0.29	0.50			•		
	SS Ultra Low-E/Argon with 1" Contour Grid	0.33	0.20	0.45			•	•	
	DS Ultra Low-E/Argon with 1" Contour Grid	0.33	0.20	0.45			•	•	
	151/161 2SL/3SL	SS Clear Glass No Grid	0.48	0.62	0.65				
		DS Clear Glass No Grid	0.48	0.61	0.64				
		SS Low-E Glass No Grid	0.35	0.33	0.56				
		DS Low-E Glass No Grid	0.35	0.33	0.56				
		SS Low-E/Argon Glass No Grid	0.32	0.33	0.56		•		
		DS Low-E/Argon Glass No Grid	0.32	0.33	0.56		•		
		SS Ultra Low-E/Argon No Grid	0.30	0.22	0.51	•	•	•	•
		DS Ultra Low-E/Argon No Grid	0.30	0.22	0.50	•	•	•	•
SS Clear Glass with Flat or 5/8" Contour Grid		0.48	0.56	0.58					
DS Clear Glass with Flat or 5/8" Contour Grid		0.48	0.54	0.57					
SS Low-E Glass with Flat or 5/8" Contour Grid		0.35	0.30	0.50			•		
DS Low-E Glass with Flat or 5/8" Contour Grid		0.35	0.30	0.50			•		
SS Low-E/Argon Glass with Flat or 5/8" Contour Grid		0.32	0.30	0.50		•	•		
DS Low-E/Argon Glass with Flat or 5/8" Contour Grid		0.32	0.29	0.50		•	•		
SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid		0.30	0.20	0.45	•	•	•	•	
DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid		0.30	0.20	0.45	•	•	•	•	
SS Clear Glass with 1" Contour Grid		0.49	0.54	0.57					
DS Clear Glass with 1" Contour Grid		0.49	0.54	0.57					
SS Low-E Glass with 1" Contour Grid		0.36	0.30	0.50					
DS Low-E Glass with 1" Contour Grid		0.36	0.30	0.50					
SS Low-E/Argon Glass with 1" Contour Grid		0.33	0.30	0.50			•		
DS Low-E/Argon Glass with 1" Contour Grid		0.33	0.29	0.50			•		
SS Ultra Low-E/Argon with 1" Contour Grid		0.31	0.20	0.45		•	•	•	
DS Ultra Low-E/Argon with 1" Contour Grid		0.31	0.20	0.45		•	•	•	
150 Picture Window Special Shapes	DS Clear Glass No Grid	0.47	0.63	0.67					
	DS Low-E Glass No Grid	0.33	0.34	0.58					
	DS Low-E/Argon Glass No Grid	0.30	0.34	0.58	•	•			
	DS Ultra Low-E/Argon No Grid	0.29	0.23	0.53	•	•	•	•	
	DS Clear Glass with Flat or 5/8" Contour Grid	0.47	0.57	0.60					
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.33	0.31	0.52					
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.31	0.52	•	•			
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.29	0.21	0.47	•	•	•	•	
	DS Clear Glass with 1" Contour Grid	0.48	0.57	0.60					
	DS Low-E Glass with 1" Contour Grid	0.35	0.31	0.52					
	DS Low-E/Argon Glass with 1" Contour Grid	0.31	0.31	0.52		•			
	DS Ultra Low-E/Argon with 1" Contour Grid	0.31	0.21	0.47		•	•	•	

SS - Single Strength  
DS - Double Strength  
\*Replacement Products Only

The thermal performance ratings are subject to change periodically. To ensure accuracy please verify on the Window Wizard.

Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones				
					Northern	North-Central	South-Central	Southern	
450/455/460/465 Double Hung	SS Clear Glass No Grid	0.47	0.58	0.61					
	DS Clear Glass No Grid	0.47	0.57	0.60					
	SS Low-E Glass No Grid	0.35	0.31	0.53					
	DS Low-E Glass No Grid	0.35	0.31	0.53					
	SS Low-E/Argon Glass No Grid	0.32	0.31	0.53		•			
	DS Low-E/Argon Glass No Grid	0.32	0.31	0.53		•			
	SS Ultra Low-E/Argon No Grid	0.30	0.20	0.48	•	•	•	•	
	DS Ultra Low-E/Argon No Grid	0.30	0.20	0.47	•	•	•	•	
	SS Clear Glass with Flat or 5/8" Contour Grid	0.47	0.52	0.54					
	DS Clear Glass with Flat or 5/8" Contour Grid	0.47	0.51	0.54					
	SS Low-E Glass with Flat or 5/8" Contour Grid	0.35	0.28	0.47			•		
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.35	0.28	0.47			•		
	SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.32	0.28	0.47		•	•		
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.32	0.28	0.47		•	•		
	SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.30	0.18	0.43	•	•	•	•	
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.30	0.18	0.42	•	•	•	•	
	SS Clear Glass with 1" Contour Grid	0.48	0.52	0.54					
	DS Clear Glass with 1" Contour Grid	0.48	0.51	0.54					
	SS Low-E Glass with 1" Contour Grid	0.36	0.28	0.47					
	DS Low-E Glass with 1" Contour Grid	0.37	0.28	0.47					
	SS Low-E/Argon Glass with 1" Contour Grid	0.33	0.28	0.47			•		
	DS Low-E/Argon Glass with 1" Contour Grid	0.33	0.28	0.47			•		
	SS Ultra Low-E/Argon with 1" Contour Grid	0.32	0.18	0.43		•	•	•	
	DS Ultra Low-E/Argon with 1" Contour Grid	0.32	0.18	0.42		•	•	•	
	SS Clear Glass with SDL	0.49	0.48	0.49					
	DS Clear Glass with SDL	0.49	0.47	0.48					
	SS Low-E Glass with SDL	0.37	0.26	0.43				•	
	DS Low-E Glass with SDL	0.37	0.25	0.42				•	
	SS Low-E/Argon Glass with SDL	0.33	0.25	0.42			•	•	
	DS Low-E/Argon Glass with SDL	0.33	0.25	0.43			•	•	
	451/461 2SL/3SL	SS Clear Glass No Grid	0.47	0.59	0.62				
		DS Clear Glass No Grid	0.47	0.58	0.61				
		SS Low-E Glass No Grid	0.34	0.32	0.54				
		DS Low-E Glass No Grid	0.34	0.31	0.54				
		SS Low-E/Argon Glass No Grid	0.31	0.31	0.54		•		
		DS Low-E/Argon Glass No Grid	0.30	0.31	0.54	•	•		
SS Ultra Low-E/Argon No Grid		0.29	0.21	0.49	•	•	•	•	
DS Ultra Low-E/Argon No Grid		0.29	0.21	0.48	•	•	•	•	
SS Clear Glass with Flat or 5/8" Contour Grid		0.47	0.53	0.55					
DS Clear Glass with Flat or 5/8" Contour Grid		0.47	0.52	0.55					
SS Low-E Glass with Flat or 5/8" Contour Grid		0.34	0.28	0.48			•		
DS Low-E Glass with Flat or 5/8" Contour Grid		0.34	0.28	0.48			•		
SS Low-E/Argon Glass with Flat or 5/8" Contour Grid		0.31	0.28	0.48		•	•		
DS Low-E/Argon Glass with Flat or 5/8" Contour Grid		0.30	0.28	0.48	•	•	•		
SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid		0.29	0.19	0.43	•	•	•	•	
DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid		0.29	0.19	0.43	•	•	•	•	
SS Clear Glass with 1" Contour Grid		0.47	0.53	0.55					
DS Clear Glass with 1" Contour Grid		0.47	0.52	0.55					
SS Low-E Glass with 1" Contour Grid		0.35	0.28	0.48			•		
DS Low-E Glass with 1" Contour Grid		0.35	0.28	0.48			•		
SS Low-E/Argon Glass with 1" Contour Grid		0.32	0.28	0.48		•	•		
DS Low-E/Argon Glass with 1" Contour Grid		0.32	0.28	0.48		•	•		
SS Ultra Low-E/Argon with 1" Contour Grid		0.30	0.19	0.43	•	•	•	•	
DS Ultra Low-E/Argon with 1" Contour Grid		0.30	0.19	0.43	•	•	•	•	
SS Clear Glass with SDL		0.48	0.49	0.49					
DS Clear Glass with SDL		0.48	0.48	0.49					
SS Low-E Glass with SDL		0.36	0.26	0.43				•	
DS Low-E Glass with SDL		0.36	0.26	0.43				•	
SS Low-E/Argon Glass with SDL		0.32	0.26	0.43		•	•	•	
DS Low-E/Argon Glass with SDL		0.32	0.26	0.43		•	•	•	
450/460 Picture Window Special Shapes		DS Clear Glass No Grid	0.45	0.64	0.67				
		DS Low-E Glass No Grid	0.30	0.34	0.59	•	•		
		DS Low-E/Argon Glass No Grid	0.27	0.34	0.59	•	•		
		DS Ultra Low-E/Argon No Grid	0.27	0.22	0.53	•	•	•	
		DS Clear Glass with Grid	0.45	0.58	0.60				
		DS Low-E Glass with Grid	0.30	0.31	0.52	•	•		
	DS Low-E/Argon Glass with Grid	0.27	0.30	0.52	•	•	•		
	DS Ultra Low-E/Argon with Grid	0.27	0.20	0.47	•	•	•	•	
	DS Clear Glass with SDL	0.45	0.52	0.53					
	DS Low-E Glass with SDL	0.30	0.28	0.47	•	•	•		
	DS Low-E/Argon Glass with SDL	0.27	0.27	0.47	•	•	•		

SS - Single Strength  
DS - Double Strength  
\*Replacement Products Only

The thermal performance ratings are subject to change periodically. To ensure accuracy please verify on the Window Wizard.

### Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones				
					Northern	North-Central	South-Central	Southern	
312 Standard Size Patio Door	DS Clear Glass No Grid	0.48	0.64	0.67					
	DS Low-E Glass No Grid	0.34	0.34	0.59					
	DS Low-E/Argon Glass No Grid	0.30	0.34	0.59					
	DS Low-E/Krypton-Argon Glass No Grid	0.29	0.31	0.52					
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.23	0.53	•	•	•	•	
	DS Clear Glass with Grid	0.48	0.56	0.59					
	DS Low-E Glass with Grid	0.34	0.30	0.52					
	DS Low-E/Argon Glass with Grid	0.30	0.30	0.52	•	•	•	•	
	DS Low-E/Krypton-Argon Glass with Grid	0.29	0.28	0.45	•	•	•	•	
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid	0.30	0.20	0.47	•	•	•	•	
	DS Clear Glass with SDL	0.48	0.45	0.44					
	DS Low-E Glass with SDL	0.34	0.30	0.52					
	DS Low-E/Argon Glass with SDL	0.30	0.30	0.52	•	•	•	•	
	DS Low-E/Krypton-Argon Glass with SDL	0.29	0.28	0.45	•	•	•	•	
	312 Custom Size Patio Door	DS Clear Glass No Grid	0.48	0.64	0.67				
		DS Low-E Glass No Grid	0.34	0.34	0.59				
DS Low-E/Argon Glass No Grid		0.30	0.34	0.59					
DS Low-E/Krypton-Argon Glass No Grid		0.29	0.31	0.52					
DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid		0.30	0.23	0.53	•	•	•	•	
DS Clear Glass with Grid		0.48	0.56	0.59					
DS Low-E Glass with Grid		0.34	0.30	0.52					
DS Low-E/Argon Glass with Grid		0.30	0.30	0.52	•	•	•	•	
DS Low-E/Krypton-Argon Glass with Grid		0.29	0.28	0.45	•	•	•	•	
DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid		0.30	0.20	0.47	•	•	•	•	
DS Clear Glass with SDL		0.48	0.49	0.51					
DS Low-E Glass with SDL		0.34	0.27	0.45					
DS Low-E/Argon Glass with SDL		0.30	0.27	0.45	•	•	•	•	
DS Low-E/Krypton-Argon Glass with SDL		0.29	0.25	0.39	•	•	•	•	
315 Transom		DS Clear Glass No Grid	0.47	0.68	0.72				
		DS Low-E Glass No Grid	0.32	0.36	0.63				
	DS Low-E/Argon Glass No Grid	0.28	0.36	0.63	•	•			
	DS Low-E/Krypton-Argon Glass No Grid	0.27	0.33	0.55	•	•			
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.27	0.24	0.57	•	•	•	•	
	DS Clear Glass with Grid	0.47	0.68	0.72					
	DS Low-E Glass with Grid	0.32	0.33	0.57		•			
	DS Low-E/Argon Glass with Grid	0.28	0.33	0.57	•	•			
	DS Low-E/Krypton-Argon Glass with Grid	0.27	0.30	0.50	•	•	•		
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid	0.28	0.22	0.51	•	•	•	•	
	DS Clear Glass with SDL	0.47	0.61	0.65					
	DS Low-E Glass with SDL	0.32	0.30	0.57		•			
	DS Low-E/Argon Glass with SDL	0.30	0.30	0.57	•	•			
	DS Low-E/Krypton-Argon Glass with SDL	0.27	0.30	0.50	•	•	•		
	316 Side Lite	DS Clear Glass No Grid	0.46	0.63	0.67				
		DS Low-E Glass No Grid	0.33	0.34	0.59				
DS Low-E/Argon Glass No Grid		0.29	0.34	0.59	•	•			
DS Low-E/Krypton-Argon Glass No Grid		0.28	0.31	0.51	•	•			
DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid		0.28	0.22	0.53	•	•	•	•	
DS Clear Glass with Grid		0.46	0.57	0.60					
DS Low-E Glass with Grid		0.33	0.31	0.52					
DS Low-E/Argon Glass with Grid		0.29	0.31	0.52	•	•			
DS Low-E/Krypton-Argon Glass with Grid		0.28	0.28	0.46	•	•	•		
DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid		0.28	0.20	0.48	•	•	•	•	
DS Clear Glass with SDL		0.46	0.57	0.60					
DS Low-E Glass with SDL		0.33	0.28	0.52		•			
DS Low-E/Argon Glass with SDL		0.29	0.27	0.52	•	•	•	•	
DS Low-E/Krypton-Argon Glass with SDL		0.28	0.28	0.46	•	•	•	•	

SS - Single Strength  
 DS - Double Strength  
 \*Replacement Products Only

The thermal performance ratings are subject to change periodically. To ensure accuracy please verify on the Window Wizard.

### Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones				
					Northern	North-Central	South-Central	Southern	
332 Standard Size Patio Door	DS Clear Glass No Grid	0.47	0.63	0.66					
	DS Low-E Glass No Grid	0.34	0.34	0.58					
	DS Low-E/Argon Glass No Grid	0.30	0.34	0.58					
	DS Low-E/Krypton-Argon Glass No Grid	0.29	0.31	0.51					
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.22	0.52	•	•	•	•	
	DS Clear Glass with Grid	0.47	0.55	0.58					
	DS Low-E Glass with Grid	0.34	0.30	0.51					
	DS Low-E/Argon Glass with Grid	0.30	0.30	0.51	•	•	•	•	
	DS Low-E/Krypton-Argon Glass with Grid	0.29	0.28	0.44	•	•	•	•	
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid	0.30	0.20	0.46	•	•	•	•	
	DS Clear Glass with SDL	0.47	0.49	0.58					
	DS Low-E Glass with SDL	0.34	0.26	0.51					
	DS Low-E/Argon Glass with SDL	0.30	0.26	0.51	•	•	•	•	
	DS Low-E/Krypton-Argon Glass with SDL	0.29	0.28	0.44	•	•	•	•	
	332 Custom Size Patio Door	DS Clear Glass No Grid	0.47	0.63	0.66				
		DS Low-E Glass No Grid	0.34	0.34	0.58				
DS Low-E/Argon Glass No Grid		0.30	0.34	0.58					
DS Low-E/Krypton-Argon Glass No Grid		0.29	0.31	0.51					
DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid		0.29	0.22	0.52	•	•	•	•	
DS Clear Glass with Grid		0.47	0.55	0.58					
DS Low-E Glass with Grid		0.33	0.30	0.51					
DS Low-E/Argon Glass with Grid		0.30	0.30	0.51	•	•	•	•	
DS Low-E/Krypton-Argon Glass with Grid		0.29	0.28	0.44	•	•	•	•	
DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid		0.29	0.20	0.46	•	•	•	•	
DS Clear Glass with SDL		0.47	0.49	0.50					
DS Low-E Glass with SDL		0.33	0.26	0.44					
DS Low-E/Argon Glass with SDL		0.30	0.26	0.44	•	•	•	•	
DS Low-E/Krypton-Argon Glass with SDL		0.29	0.24	0.39	•	•	•	•	
335 Transom		DS Clear Glass No Grid	0.48	0.62	0.65				
		DS Low-E Glass No Grid	0.34	0.33	0.57				
	DS Low-E/Argon Glass No Grid	0.30	0.33	0.57	•	•			
	DS Low-E/Krypton-Argon Glass No Grid	0.29	0.31	0.51	•	•			
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.22	0.56	•	•	•	•	
	DS Clear Glass with Grid	0.48	0.56	0.58					
	DS Low-E Glass with Grid	0.34	0.30	0.51					
	DS Low-E/Argon Glass with Grid	0.30	0.30	0.51	•	•	•		
	DS Low-E/Krypton-Argon Glass with Grid	0.29	0.28	0.45	•	•	•		
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid	0.30	0.20	0.50	•	•	•	•	
	DS Clear Glass with SDL	0.48	0.51	0.58					
	DS Low-E Glass with SDL	0.34	0.27	0.51					
	DS Low-E/Argon Glass with SDL	0.31	0.27	0.51		•	•	•	
	DS Low-E/Krypton-Argon Glass with SDL	0.29	0.28	0.45	•	•	•		
	336 Side Lite	DS Clear Glass No Grid	0.47	0.65	0.70				
		DS Low-E Glass No Grid	0.33	0.33	0.62				
DS Low-E/Argon Glass No Grid		0.30	0.33	0.62	•	•			
DS Low-E/Krypton-Argon Glass No Grid		0.28	0.33	0.54	•	•			
DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid		0.29	0.22	0.52	•	•	•	•	
DS Clear Glass with Grid		0.47	0.56	0.63					
DS Low-E Glass with Grid		0.33	0.30	0.55					
DS Low-E/Argon Glass with Grid		0.30	0.30	0.55	•	•	•		
DS Low-E/Krypton-Argon Glass with Grid		0.28	0.30	0.48	•	•	•		
DS <b>Tax Credit</b> or Ultra Low-E/Argon with Grid		0.29	0.20	0.46	•	•	•	•	
DS Clear Glass with SDL		0.47	0.50	0.63					
DS Low-E Glass with SDL		0.33	0.27	0.55					
DS Low-E/Argon Glass with SDL		0.30	0.27	0.55	•	•	•	•	
DS Low-E/Krypton-Argon Glass with SDL		0.28	0.30	0.48	•	•	•		

SS - Single Strength  
 DS - Double Strength  
 \*Replacement Products Only

The thermal performance ratings are subject to change periodically. To ensure accuracy please verify on the Window Wizard.

### Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones			
					Northern	North-Central	South-Central	Southern
8100 Single-Hung	SS Clear Glass No Grid	0.49	0.62	0.64				
	DS Clear Glass No Grid	0.49	0.60	0.64				
	SS Low-E Glass No Grid	0.36	0.33	0.56				
	DS Low-E Glass No Grid	0.36	0.33	0.56				
	SS Low-E/Argon Glass No Grid	0.33	0.33	0.56				
	DS Low-E/Argon Glass No Grid	0.33	0.32	0.56				
	SS Ultra Low-E/Argon No Grid	0.32	0.22	0.51		•	•	•
	DS Ultra Low-E/Argon No Grid	0.32	0.22	0.50		•	•	•
	SS Clear Glass with Flat or 5/8" Contour Grid	0.49	0.55	0.57				
	DS Clear Glass with Flat or 5/8" Contour Grid	0.49	0.54	0.57				
	SS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.30	0.50				
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.29	0.50				
	SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.33	0.30	0.50			•	
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.33	0.29	0.50			•	
	SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.20	0.45		•	•	•
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.20	0.45		•	•	•
	SS Clear Glass with 1" Contour Grid	0.50	0.55	0.57				
	DS Clear Glass with 1" Contour Grid	0.50	0.54	0.57				
	SS Low-E Glass with 1" Contour Grid	0.38	0.30	0.50				
	DS Low-E Glass with 1" Contour Grid	0.38	0.29	0.50				
	SS Low-E/Argon Glass with 1" Contour Grid	0.34	0.30	0.50			•	
	DS Low-E/Argon Glass with 1" Contour Grid	0.34	0.29	0.50			•	
	SS Ultra Low-E/Argon with 1" Contour Grid	0.33	0.20	0.45			•	•
	DS Ultra Low-E/Argon with 1" Contour Grid	0.34	0.20	0.45			•	•
120/130 2SL/3SL	SS Clear Glass No Grid	0.48	0.62	0.64				
	DS Clear Glass No Grid	0.48	0.61	0.64				
	SS Low-E Glass No Grid	0.35	0.33	0.56				
	DS Low-E Glass No Grid	0.34	0.33	0.56				
	SS Low-E/Argon Glass No Grid	0.31	0.33	0.56		•		
	DS Low-E/Argon Glass No Grid	0.31	0.32	0.56		•		
	SS Ultra Low-E/Argon No Grid	0.31	0.22	0.51		•	•	•
	DS Ultra Low-E/Argon No Grid	0.30	0.22	0.51	•	•	•	•
	SS Clear Glass with Flat or 5/8" Contour Grid	0.48	0.55	0.57				
	DS Clear Glass with Flat or 5/8" Contour Grid	0.49	0.54	0.57				
	SS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.30	0.50				
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.29	0.50				
	SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.32	0.29	0.50		•	•	
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.33	0.29	0.50			•	
	SS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.20	0.45		•	•	•
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.32	0.19	0.45		•	•	•
	SS Clear Glass with 1" Contour Grid	0.46	0.55	0.57				
	DS Clear Glass with 1" Contour Grid	0.46	0.57	0.60				
	SS Low-E Glass with 1" Contour Grid	0.32	0.31	0.53		•		
	DS Low-E Glass with 1" Contour Grid	0.33	0.31	0.52				
	SS Low-E/Argon Glass with 1" Contour Grid	0.32	0.29	0.50		•	•	
	DS Low-E/Argon Glass with 1" Contour Grid	0.33	0.29	0.50			•	
	SS Ultra Low-E/Argon with 1" Contour Grid	0.32	0.20	0.45		•	•	•
	DS Ultra Low-E/Argon with 1" Contour Grid	0.32	0.19	0.45		•	•	•
8100 Picture Window Special Shapes	DS Clear Glass No Grid	0.45	0.63	0.67				
	DS Low-E Glass No Grid	0.30	0.34	0.58	•	•		
	DS Low-E/Argon Glass No Grid	0.27	0.34	0.58	•	•		
	DS Ultra Low-E/Argon No Grid	0.26	0.22	0.53	•	•	•	•
	DS Clear Glass with Flat or 5/8" Contour Grid	0.46	0.57	0.60				
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.33	0.31	0.52				
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.29	0.31	0.52	•	•		
	DS Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.28	0.20	0.47	•	•	•	•
	DS Clear Glass with 1" Contour Grid	0.46	0.57	0.60				
	DS Low-E Glass with 1" Contour Grid	0.33	0.31	0.52				
	DS Low-E/Argon Glass with 1" Contour Grid	0.29	0.31	0.52	•	•		
	DS Ultra Low-E/Argon with 1" Contour Grid	0.28	0.20	0.47	•	•	•	•

SS - Single Strength  
 DS - Double Strength  
 \*Replacement Products Only

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Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones				
					Northern	North-Central	South-Central	Southern	
8300 Double Hung	SS Clear Glass No Grid	0.47	0.61	0.63					
	DS Clear Glass No Grid	0.47	0.60	0.63					
	SS Low-E Glass No Grid	0.34	0.32	0.55					
	DS Low-E Glass No Grid	0.34	0.32	0.55					
	SS Low-E/Argon Glass No Grid	0.31	0.32	0.55		•			
	DS Low-E/Argon Glass No Grid	0.31	0.32	0.55		•			
	SS <b>Tax Credit</b> Low-E/Argon No Grid	0.30	0.21	0.50	•	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon No Grid	0.30	0.21	0.49	•	•	•	•	
	SS Clear Glass with Grid	0.47	0.54	0.56					
	DS Clear Glass with Grid	0.47	0.53	0.56					
	SS Low-E Glass with Grid	0.34	0.29	0.49			•		
	DS Low-E Glass with Grid	0.34	0.29	0.49			•		
	SS Low-E/Argon Glass with Grid	0.31	0.29	0.49		•	•		
	DS Low-E/Argon Glass with Grid	0.31	0.29	0.49		•	•		
	SS <b>Tax Credit</b> Low-E/Argon with Grid	0.30	0.19	0.44	•	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon with Grid	0.30	0.19	0.44	•	•	•	•	
	8300/8500 Picture Window Special Shapes	DS Clear Glass No Grid	0.45	0.65	0.69				
		DS Low-E Glass No Grid	0.31	0.35	0.60		•		
DS Low-E/Argon Glass No Grid		0.27	0.34	0.60	•	•			
DS <b>Tax Credit</b> Low-E/Argon No Grid		0.26	0.23	0.54	•	•	•	•	
DS Clear Glass with Grid		0.45	0.58	0.61					
DS Low-E Glass with Grid		0.31	0.31	0.54		•			
DS Low-E/Argon Glass with Grid		0.27	0.31	0.54	•	•			
DS <b>Tax Credit</b> Low-E/Argon with Grid		0.26	0.21	0.48	•	•	•	•	
8500 Double Hung		SS Clear Glass No Grid	0.47	0.60	0.63				
		DS Clear Glass No Grid	0.47	0.59	0.62				
	SS Low-E Glass No Grid	0.35	0.32	0.55					
	DS Low-E Glass No Grid	0.35	0.32	0.54					
	SS Low-E/Argon Glass No Grid	0.31	0.32	0.55		•			
	DS Low-E/Argon Glass No Grid	0.31	0.32	0.54		•			
	SS <b>Tax Credit</b> Low-E/Argon No Grid	0.30	0.21	0.50	•	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon No Grid	0.30	0.21	0.49	•	•	•	•	
	SS Clear Glass with Grid	0.48	0.54	0.56					
	DS Clear Glass with Grid	0.48	0.53	0.55					
	SS Low-E Glass with Grid	0.36	0.29	0.49					
	DS Low-E Glass with Grid	0.36	0.29	0.49					
	SS Low-E/Argon Glass with Grid	0.32	0.29	0.49		•	•		
	DS Low-E/Argon Glass with Grid	0.32	0.29	0.49		•	•		
	SS <b>Tax Credit</b> Low-E/Argon with Grid	0.30	0.19	0.44	•	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon with Grid	0.30	0.19	0.43	•	•	•	•	
	8700 Double Hung	SS Clear Glass No Grid	0.47	0.60	0.62				
		DS Clear Glass No Grid	0.47	0.59	0.62				
SS Low-E Glass No Grid		0.35	0.32	0.54					
DS Low-E Glass No Grid		0.35	0.32	0.54					
SS Low-E/Argon Glass No Grid		0.32	0.32	0.54		•			
DS Low-E/Argon Glass No Grid		0.32	0.31	0.54		•			
DS Low-E/Krypton-Argon Glass No Grid		0.30	0.29	0.47	•	•	•		
SS <b>Tax Credit</b> Low-E/Argon No Grid		0.30	0.21	0.49	•	•	•	•	
DS <b>Tax Credit</b> Low-E/Argon No Grid		0.30	0.21	0.48	•	•	•	•	
SS Clear Glass with Grid		0.48	0.53	0.55					
DS Clear Glass with Grid		0.48	0.52	0.55					
SS Low-E Glass with Grid		0.36	0.29	0.48					
DS Low-E Glass with Grid		0.36	0.28	0.48					
SS Low-E/Argon Glass with Grid		0.33	0.28	0.48			•		
DS Low-E/Argon Glass with Grid		0.33	0.28	0.48			•		
DS Low-E/Krypton-Argon Glass with Grid		0.32	0.26	0.42		•	•	•	
SS <b>Tax Credit</b> Low-E/Argon with Grid		0.30	0.19	0.44	•	•	•	•	
DS <b>Tax Credit</b> Low-E/Argon with Grid		0.30	0.19	0.43	•	•	•	•	
SS Clear Glass with SDL		0.49	0.48	0.49					
DS Clear Glass with SDL		0.49	0.47	0.48					
SS Low-E Glass with SDL		0.38	0.26	0.43				•	
DS Low-E Glass with SDL		0.38	0.26	0.42				•	
SS Low-E/Argon Glass with SDL		0.33	0.26	0.43			•	•	
DS Low-E/Argon Glass with SDL		0.33	0.25	0.42			•	•	
DS Low-E/Krypton-Argon Glass with SDL		0.31	0.23	0.37		•	•	•	

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Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones			
					Northern	North-Central	South-Central	Southern
8700 Picture Window Special Shapes	DS Clear Glass No Grid	0.45	0.65	0.69				
	DS Low-E Glass No Grid	0.31	0.35	0.60				
	DS Low-E/Argon Glass No Grid	0.27	0.34	0.60	•	•		
	DS Low-E/Krypton-Argon Glass No Grid	0.26	0.32	0.53	•	•		
	DS <b>Tax Credit</b> Low-E/Argon No Grid	0.26	0.23	0.54	•	•	•	•
	DS Clear Glass with Grid	0.45	0.58	0.61				
	DS Low-E Glass with Grid	0.31	0.31	0.54		•		
	DS Low-E/Argon Glass with Grid	0.27	0.31	0.54	•	•		
	DS Low-E/Krypton-Argon Glass with Grid	0.26	0.29	0.47	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon with Grid	0.26	0.21	0.48	•	•	•	•
	DS Clear Glass with SDL	0.45	0.58	0.61				
	DS Low-E Glass with SDL	0.31	0.31	0.54		•		
	DS Low-E/Argon Glass with SDL	0.27	0.31	0.54	•	•		
	DS Low-E/Krypton-Argon Glass with SDL	0.26	0.29	0.47	•	•	•	
	123/133 2SL/3SL	SS Clear Glass No Grid	0.47	0.62	0.64			
DS Clear Glass No Grid		0.47	0.60	0.64				
SS Low-E Glass No Grid		0.34	0.33	0.56				
DS Low-E Glass No Grid		0.34	0.32	0.56				
SS Low-E/Argon Glass No Grid		0.30	0.32	0.56	•	•		
DS Low-E/Argon Glass No Grid		0.30	0.32	0.56	•	•		
DS Low-E/Krypton-Argon Glass No Grid		0.29	0.30	0.49	•	•	•	
SS <b>Tax Credit</b> Low-E/Argon No Grid		0.30	0.21	0.51	•	•	•	•
DS <b>Tax Credit</b> Low-E/Argon No Grid		0.30	0.21	0.50	•	•	•	•
SS Clear Glass with Grid		0.47	0.55	0.57				
DS Clear Glass with Grid		0.47	0.54	0.57				
SS Low-E Glass with Grid		0.34	0.29	0.50			•	
DS Low-E Glass with Grid		0.34	0.29	0.50			•	
SS Low-E/Argon Glass with Grid		0.30	0.29	0.50	•	•	•	
DS Low-E/Argon Glass with Grid		0.30	0.29	0.50	•	•	•	
DS Low-E/Krypton-Argon Glass with Grid		0.29	0.27	0.43	•	•	•	•
SS <b>Tax Credit</b> Low-E/Argon with Grid		0.30	0.19	0.45	•	•	•	•
DS <b>Tax Credit</b> Low-E/Argon with Grid		0.30	0.19	0.45	•	•	•	•
SS Clear Glass with SDL		0.47	0.49	0.51				
DS Clear Glass with SDL		0.48	0.48	0.50				
SS Low-E Glass with SDL		0.34	0.27	0.44			•	•
DS Low-E Glass with SDL		0.36	0.26	0.44			•	•
SS Low-E/Argon Glass with SDL		0.30	0.26	0.44	•	•	•	•
DS Low-E/Argon Glass with SDL		0.32	0.26	0.44	•	•	•	•
DS Low-E/Krypton-Argon Glass with SDL	0.28	0.24	0.38	•	•	•	•	
700/750 Picture Window Special Shapes	DS Clear Glass No Grid	0.47	0.66	0.70				
	DS Low-E Glass No Grid	0.33	0.36	0.61				
	DS Low-E/Argon Glass No Grid	0.28	0.35	0.61	•	•		
	DS Low-E/Krypton-Argon Glass No Grid *	0.27	0.33	0.51	•	•		
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.29	0.21	0.50	•	•	•	•
	DS Clear Glass with Flat or 5/8" Contour Grid	0.50	0.60	0.63				
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.36	0.32	0.54				
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.32	0.54	•	•		
	DS Low-E/Krypton-Argon Glass with Flat or 5/8" Contour Grid *	0.27	0.30	0.51	•	•	•	
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.30	0.22	0.48	•	•	•	•
	DS Clear Glass with 1" Contour Grid	0.50	0.60	0.63				
	DS Low-E Glass with 1" Contour Grid	0.36	0.32	0.54				
	DS Low-E/Argon Glass with 1" Contour Grid	0.30	0.32	0.54	•	•		
	DS Low-E/Krypton-Argon Glass with 1" Contour Grid *	0.27	0.30	0.51	•	•	•	
	DS <b>Tax Credit</b> Low-E/Argon with 1" Contour Grid	0.30	0.22	0.48	•	•	•	•
	DS Clear Glass with SDL	0.50	0.60	0.63				
	DS Low-E Glass with SDL	0.37	0.32	0.55				
	DS Low-E/Argon Glass with SDL	0.28	0.32	0.55	•	•		
	DS Low-E/Krypton-Argon Glass with SDL *	0.27	0.30	0.51	•	•	•	

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Atrium NFRC Ratings

Series/Model	Glass Type	U-Value	SHGC	VT	Qualified Energy Star Climate Zones			
					Northern	North-Central	South-Central	Southern
700/750 Casement	SS Clear Glass No Grid	0.43	0.53	0.55				
	DS Clear Glass No Grid	0.43	0.52	0.54				
	SS Low-E Glass No Grid	0.32	0.28	0.48		•	•	
	DS Low-E Glass No Grid	0.32	0.28	0.47		•	•	
	SS Low-E/Argon Glass No Grid	0.29	0.28	0.48	•	•	•	
	DS Low-E/Argon Glass No Grid	0.29	0.25	0.47	•	•	•	•
	DS Low-E/Krypton-Argon Glass No Grid *	0.28	0.24	0.41	•	•	•	•
	SS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.18	0.43	•	•	•	•
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.19	0.43	•	•	•	•
	SS Clear Glass with Flat or 5/8" Contour Grid	0.45	0.48	0.49				
	DS Clear Glass with Flat or 5/8" Contour Grid	0.45	0.47	0.49				
	SS Low-E Glass with Flat or 5/8" Contour Grid	0.33	0.26	0.43			•	•
	DS Low-E Glass with Flat or 5/8" Contour Grid	0.33	0.25	0.43			•	•
	SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.26	0.43	•	•	•	•
	DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.25	0.43	•	•	•	•
	DS Low-E/Krypton-Argon Glass with Flat or 5/8" Contour Grid *	0.28	0.23	0.37	•	•	•	•
	SS <b>Tax Credit</b> or Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.29	0.17	0.39	•	•	•	•
	DS <b>Tax Credit</b> or Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.29	0.17	0.38	•	•	•	•
	SS Clear Glass with 1" Contour Grid	0.45	0.48	0.49				
	DS Clear Glass with 1" Contour Grid	0.45	0.47	0.49				
	SS Low-E Glass with 1" Contour Grid	0.33	0.26	0.43			•	•
	DS Low-E Glass with 1" Contour Grid	0.33	0.26	0.43			•	•
	SS Low-E/Argon Glass with 1" Contour Grid	0.30	0.26	0.43	•	•	•	•
	DS Low-E/Argon Glass with 1" Contour Grid	0.30	0.25	0.43	•	•	•	•
	DS Low-E/Krypton-Argon Glass with 1" Contour Grid *	0.28	0.23	0.37	•	•	•	•
	SS <b>Tax Credit</b> Low-E/Argon with 1" Contour Grid	0.29	0.17	0.39	•	•	•	•
	DS <b>Tax Credit</b> Low-E/Argon with 1" Contour Grid	0.29	0.17	0.38	•	•	•	•
	SS Clear Glass with SDL	0.45	0.48	0.49				
	DS Clear Glass with SDL	0.45	0.47	0.49				
	SS Low-E Glass with SDL	0.35	0.26	0.43			•	•
	DS Low-E Glass with SDL	0.35	0.25	0.43			•	•
	SS Low-E/Argon Glass with SDL	0.29	0.28	0.43	•	•	•	•
	DS Low-E/Argon Glass with SDL	0.29	0.25	0.43	•	•	•	•
	DS Low-E/Krypton-Argon Glass with SDL *	0.28	0.23	0.37	•	•	•	•
	SS Clear Glass No Grid	0.44	0.53	0.55				
	DS Clear Glass No Grid	0.44	0.52	0.54				
	SS Low-E Glass No Grid	0.32	0.28	0.48		•	•	
	DS Low-E Glass No Grid	0.32	0.28	0.47		•	•	
	SS Low-E/Argon Glass No Grid	0.28	0.28	0.48	•	•	•	
	DS Low-E/Argon Glass No Grid	0.28	0.28	0.47	•	•	•	
	DS Low-E/Krypton-Argon Glass No Grid *	0.28	0.26	0.38	•	•	•	•
	SS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.18	0.43	•	•	•	•
	DS <b>Tax Credit</b> or Ultra Low-E/Argon No Grid	0.30	0.18	0.43	•	•	•	•
	SS Clear Glass with Flat or 5/8" Contour Grid	0.45	0.48	0.49				
	DS Clear Glass with Flat or 5/8" Contour Grid	0.45	0.47	0.49				
SS Low-E Glass with Flat or 5/8" Contour Grid	0.34	0.26	0.43			•	•	
DS Low-E Glass with Flat or 5/8" Contour Grid	0.34	0.26	0.43			•	•	
SS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.26	0.43	•	•	•	•	
DS Low-E/Argon Glass with Flat or 5/8" Contour Grid	0.30	0.25	0.43	•	•	•	•	
DS Low-E/Krypton-Argon Glass with Flat or 5/8" Contour Grid *	0.28	0.23	0.37	•	•	•	•	
SS <b>Tax Credit</b> or Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.30	0.17	0.39	•	•	•	•	
DS <b>Tax Credit</b> or Ultra Low-E/Argon with Flat or 5/8" Contour Grid	0.30	0.17	0.38	•	•	•	•	
SS Clear Glass with 1" Contour Grid	0.45	0.48	0.49					
DS Clear Glass with 1" Contour Grid	0.45	0.47	0.49					
SS Low-E Glass with 1" Contour Grid	0.34	0.26	0.43			•	•	
DS Low-E Glass with 1" Contour Grid	0.34	0.26	0.43			•	•	
SS Low-E/Argon Glass with 1" Contour Grid	0.30	0.26	0.43	•	•	•	•	
DS Low-E/Argon Glass with 1" Contour Grid	0.30	0.26	0.43	•	•	•	•	
DS Low-E/Krypton-Argon Glass with 1" Contour Grid *	0.28	0.23	0.37	•	•	•	•	
SS <b>Tax Credit</b> Low-E/Argon with 1" Contour Grid	0.30	0.17	0.39	•	•	•	•	
DS <b>Tax Credit</b> Low-E/Argon with 1" Contour Grid	0.30	0.17	0.38	•	•	•	•	
SS Clear Glass with SDL	0.45	0.48	0.49					
DS Clear Glass with SDL	0.45	0.47	0.49					
SS Low-E Glass with SDL	0.35	0.26	0.42			•	•	
DS Low-E Glass with SDL	0.35	0.25	0.42			•	•	
SS Low-E/Argon Glass with SDL	0.28	0.25	0.42	•	•	•	•	
DS Low-E/Argon Glass with SDL	0.28	0.25	0.42	•	•	•	•	
DS Low-E/Krypton-Argon Glass with SDL *	0.28	0.23	0.37	•	•	•	•	

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