



Calculation based on ISO 15099

Product name: Outswing Sidelite		Center-of-glass properties					
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing South-facing			Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1"OA No Grids			
Climate specific recommendations:		Whole-window installed U-value		<u>Ucog-Value</u>			
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		1.40	0.25	0.611	1.005	0.177	
7		1.41	0.25	0.611	1.015	0.179	
6		1.41	0.25	0.611	1.028	0.181	
5		1.42	0.25	0.611	1.031	0.182	
4		1.42	0.25	0.611	1.037	0.183	
Marine North		1.42	0.25	0.611	1.041	0.183	
Marine South		1.43	0.25	0.611	1.048	0.185	
3		1.43	0.25	0.611	1.044	0.184	
2 West		1.43	0.25	0.611	1.052	0.185	
2 East		1.43	0.25	0.611	1.052	0.185	
Outswing Sidelite	FRAME		Psi-spacer		Psi-opaque		
Super Spacer Premium Enhanced	Frame height		U-frame		Ψ		W/mK
	mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	
Head	111	4.38	1.49	0.26	0.019	0.011	0.252
Sill	116	4.56	2.72	0.48	0.021	0.012	BTU/hr.ft.F
left jamb	111	4.38	1.63	0.29	0.021	0.012	0.145
right jamb	111	4.38	1.63	0.29	0.021	0.012	Grade D


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Product name: Outswing Sidelite		Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing				
		Whole-window installed U-value		Ucog-Value		
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F	
		W/m2K	BTU/hr.ft2.F	W/m2K	BTU/hr.ft2.F	
8		1.40	0.25	0.530	1.005	
7		1.41	0.25	0.530	1.015	
6		1.41	0.25	0.530	1.028	
5		1.42	0.25	0.530	1.031	
4		1.42	0.25	0.530	1.037	
Marine North		1.42	0.25	0.530	1.041	
Marine South		1.43	0.25	0.530	1.048	
3		1.43	0.25	0.530	1.044	
2 West		1.43	0.25	0.530	1.052	
2 East		1.43	0.25	0.530	1.052	
Outswing Sidelite		FRAME		Psi-spacer		Psi-opaque
Super Spacer Premium Enhanced		Frame height		U-frame		W/mK
		mm	in	W/m2K	BTU/hr.ft2.F	
Head		111	4.38	1.49	0.26	0.019
Sill		116	4.56	2.72	0.48	0.021
left jamb		111	4.38	1.63	0.29	0.021
right jamb		111	4.38	1.63	0.29	0.021
						0.011
						0.012
						0.145
						Grade D


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Product name: Outswing Sidelite		Center-of-glass properties					
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - South-facing facing			Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1"OA Internal grids < 25.4mm			
Climate specific recommendations:		Whole-window installed U-value		<u>Ucog-Value</u>			
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		1.46	0.26	0.530	1.005	0.177	
7		1.46	0.26	0.530	1.015	0.179	
6		1.47	0.26	0.530	1.028	0.181	
5		1.47	0.26	0.530	1.031	0.182	
4		1.48	0.26	0.530	1.037	0.183	
Marine North		1.48	0.26	0.530	1.041	0.183	
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2 East		1.49	0.26	0.530	1.052	0.185	
Outswing Sidelite Super Spacer Premium Enhanced		FRAME		Psi-spacer		Psi-opaque	
		Frame height		U-frame		□	W/mK
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	BTU/hr.ft.F	
Head	111	4.38	1.49	0.26	0.019	0.011	0.252
Sill	116	4.56	2.72	0.48	0.021	0.012	BTU/hr.ft.F
left jamb	111	4.38	1.63	0.29	0.021	0.012	0.145
right jamb	111	4.38	1.63	0.29	0.021	0.012	Grade D

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Product name: Outswing Sidelite						Center-of-glass properties	
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - South-facing					Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1"OA Internal grids >= 25.4mm maintain 3mm clearance	
Climate specific recommendations:		Whole-window installed U-value		<u>Ucog-Value</u>			
		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F	
8		1.40	0.25	0.456	1.005	0.177	
7		1.41	0.25	0.456	1.015	0.179	
6		1.41	0.25	0.456	1.028	0.181	
5		1.42	0.25	0.456	1.031	0.182	
4		1.42	0.25	0.456	1.037	0.183	
Marine North		1.42	0.25	0.456	1.041	0.183	
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Outswing Sidelite Super Spacer Premium Enhanced		FRAME		Psi-spacer		Psi-opaque	
		Frame height		U-frame		□	W/mK
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F	BTU/hr.ft.F	
Head	111	4.38	1.49	0.26	0.019	0.011	0.252
Sill	116	4.56	2.72	0.48	0.021	0.012	BTU/hr.ft.F
left jamb	111	4.38	1.63	0.29	0.021	0.012	0.145
right jamb	111	4.38	1.63	0.29	0.021	0.012	Grade D

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Product name: **Outswing Sidelite**

Center-of-glass properties

ASHRAE/IECC /DOE North American Climate Zone: South-facing North, East, West-facing



Kohltech 3mm8071 surfaces 3 & 5, Arg95, 1"OA Internal grids >= 25.4mm

Climate specific recommendations:	Whole-window installed U-value		Ucog-Value		
	W/m2K	BTU/hr.ft2.F	SHGC	W/m2K	BTU/hr.ft2.F
8	1.46	0.26	0.456	1.005	0.177
7	1.46	0.26	0.456	1.015	0.179
6	1.47	0.26	0.456	1.028	0.181
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Outswing Sidelite Super Spacer Premium Enhanced	FRAME				Psi-spacer		Psi-opaque
	Frame height		U-frame		W/mK	BTU/hr.ft.F	W/mK
	mm	in	W/m2K	BTU/hr.ft2.F			
Head	111	4.38	1.49	0.26	0.019	0.011	0.252
Sill	116	4.56	2.72	0.48	0.021	0.012	BTU/hr.ft.F
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