



Phius Product Number: W-102029
Date Last Certified: 06/06/2024
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 06/06/2026
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: DRUTEX IGLO ENERGY Classic Tilt & Turn Over Fixed	
Manufacturer: DRUTEX S A	Primary Frame Material: Vinyl
Series: IGLO ENERGY Classic	Fixed or Operable: Combination
Model: IGLO ENERGY Classic Tilt & Turn over Fixed	Operation Type: Combination Unit
Number of Lites: Two-Lite	Two-Lite Orientation: Vertical
NFRC CPD #: DRU-K-6-00262-00001 NFRC CPD # Lite Two: DRU-K-5-00252-00001	

IGU DETAILS

Glazing Name: SGG Cool-Lite SKN176 / ARG90 / SGG PlaniClear / ARG90 / SGG PlaniTherm XN (6mm/4mm/4mm)		
Glass Layers: Triple	Gas Fill: Argon	Spacer: SWISSPACER ULTIMATE

RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft²·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17
Modeled Size [W×H]	47.24" × 118.11"		SHGC, Whole Window: 0.19				Condensation Resistance:			

COMPONENT-LEVEL PERFORMANCE DATA [IP Units] | Compatible with building energy modeling tools

U-COG | Center of Glass U-Values, by Climate Zone [Btu/hr·ft²·°F]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.13

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

	0.31								
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Frame Parameters	Upper Left Jamb	Upper Right Jamb	Head	Upper Meeting Rail
Frame Section	Left	Right	Top	Bottom
Frame Width	4.92"	4.92"	4.92"	5.94"
Frame U-Value [Btu/hr·ft ² ·°F]	0.23	0.23	0.23	0.23
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0067	0.0067	0.0057	0.0059

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)

Frame Parameters, Lite-Two	Lower Left Jamb	Lower Right Jamb	Lower Meeting Rail	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	2.95"	2.95"	5.94"	2.95"
Frame U-Value [Btu/hr·ft ² ·°F]	0.23	0.23	0.23	0.21
Glazing-to-Frame Psi Value [Btu/hr·ft ² ·°F]	0.0065	0.0065	0.0060	0.0054

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)

For vertical two-lite products, assume Lite One is on top and Light Two is on the bottom. The sill of Lite One is the lower meeting rail. The head of Lite Two is the upper meeting rail. | 06/06/2024



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RECOMMENDED CLIMATE ZONES (NOTE: This information is not for use in building energy models. See next section.)

Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [W/m ² K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓				
U-Whole-Window	0.89	0.90	0.90	0.89	0.91	0.90	0.92	0.93	0.96	0.98
Modeled Size [W × H]	1.20 m × 3.00 m		SHGC, Whole Window: 0.19				Condensation Resistance:			

COMPONENT-LEVEL PERFORMANCE DATA [SI Units] | Compatible with building energy modeling tools

U-COG Center of Glass U-Values, by Climate Zone [W/m ² K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.56	0.57	0.57	0.56	0.59	0.58	0.61	0.62	0.67	0.71
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.31		

Frame Parameters	Upper Left Jamb	Upper Right Jamb	Head	Upper Meeting Rail
Frame Section	Left	Right	Top	Bottom
Frame Width	125 mm	125 mm	125 mm	151 mm
Frame U-Value [W/m ² K]	1.33	1.33	1.30	1.30
Glazing-to-Frame Psi Value [W/mK]	0.0116	0.0116	0.01	0.0103

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See Phius Guidebook for more details.)

Frame Parameters, Lite-Two	Lower Left Jamb	Lower Right Jamb	Lower Meeting Rail	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	75 mm	75 mm	151 mm	75 mm
Frame U-Value [W/m ² K]	1.30	1.30	1.30	1.22
Glazing-to-Frame Psi Value [W/mK]	0.0113	0.0113	0.0105	0.0094

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