



Phius Product Number: W-101159
Date Last Certified: 08/13/2025
THERM Files Available: Yes

Phius Certification Path: Blue Path
Valid Through: 01/31/2028
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Cascadia Universal Inswing Tilt Turn Window

Manufacturer: Cascadia Windows & Doors

Primary Frame Material: Fiberglass

Series: Universal Series

Fixed or Operable: Operable

Model: Inswing Tilt & Turn Window

Operation Type: Dual Action Tilt Turn

NFRC CPD #: CWL-K-23-00070-00001

IGU DETAILS

Glazing Name: E366/ Arg/ E180/ Arg/ i89(#6) (6mm) 44,0mm

Glass Layers: Triple

Gas Fill: Argon

Spacer: Cardinal Endur

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	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.14

Modeled Size [W×H]

47.24" × 59.06"

SHGC, Whole Window: 0.16

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	0.11	0.10	0.11	0.11	0.11	0.11

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

0.23

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.13"	4.13"	4.13"	4.13"
Frame U-Value [Btu/hr·ft ² ·°F]	0.20	0.20	0.20	0.20
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0043	0.0043	0.0042	0.0042

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



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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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓	✓			
U-Whole-Window	0.74	0.76	0.76	0.76	0.77	0.76	0.77	0.77	0.78	0.79
Modeled Size [W × H]	1.20 m × 1.50 m				SHGC, Whole Window: 0.16			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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.56	0.59	0.59	0.59	0.60	0.60	0.60	0.60	0.61	0.62

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

0.23

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	105 mm	105 mm	105 mm	105 mm
Frame U-Value [W/m ² K]	1.12	1.12	1.11	1.11
Glazing-to-Frame Psi Value [W/mK]	0.0076	0.0076	0.0073	0.0073

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