phius certified product

Phius Product Number: W-101887
Date Last Certified: 05/13/2024
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 05/13/2026
Air Leakage Test Data Available: No

PRODUCT INFORMATION

Product Name: Zola ZNC Tilt Turn, Softwood	
Manufacturer: Zola Windows	**Primary Frame Material:** Aluminum Clad Wood
Series: ZNC	**Fixed or Operable:** Operable
Model: ZNC Tilt Turn, Softwood	**Operation Type:** Dual Action Tilt Turn
NFRC CPD #: ZWD-K-5-01257-00001	

IGU DETAILS

Glazing Name: SN63 HT / ARG90 / EXTRA CLR / ARG90 / CG PREMIUM 2T (6MM/4MM/4MM) - 48MM		
Glass Layers: Triple	**Gas Fill:** Argon	**Spacer:** ALU-PRO MULTITECH G

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	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.14

Modeled Size [W×H] 47.24"× 59.06" **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	0.10	0.11	0.12	0.12

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones 0.28

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	4.57"	4.57"	4.57"	4.57"
Frame U-Value [Btu/hr•ft²•°F]	0.16	0.16	0.15	0.16
Glazing-to-Frame Psi Value [Btu/hr•ft•°F]	0.0076	0.0076	0.0075	0.0076

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

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Series: ZNC	**Fixed or Operable:** Operable
Model: ZNC Tilt Turn, Softwood	**Operation Type:** Dual Action Tilt Turn
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IGU DETAILS

Glazing Name: SN63 HT / ARG90 / EXTRA CLR / ARG90 / CG PREMIUM 2T (6MM/4MM/4MM) - 48MM		
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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	0.69	0.70	0.70	0.69	0.70	0.70	0.72	0.72	0.76	0.79

Modeled Size [W ×H] 1.20 m × 1.50 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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.55	0.56	0.56	0.56	0.57	0.56	0.59	0.60	0.66	0.70

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones	0.28

Frame Parameters	*Left Jamb*	*Right Jamb*	*Head*	*Sill*
Frame Section	**Left**	**Right**	**Top**	**Bottom**
Frame Width	116 mm	116 mm	116 mm	116 mm
Frame U-Value [W/m²K]	0.88	0.88	0.87	0.90
Glazing-to-Frame Psi Value [W/mK]	0.0133	0.0133	0.0131	0.0133

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