



Phius Product Number: W-101691
Date Last Certified: 11/02/2023
THERM Files Available: No

Phius Certification Path: Blue Path
Valid Through: 05/13/2030
Air Leakage Test Data Available: No



PRODUCT INFORMATION

Product Name: Eko-Okna Salamander BluEvolution 82 Inswing Casement

Manufacturer: Eko-Okna S A

Primary Frame Material: Vinyl

Series: Salamander BluEvolution 82

Fixed or Operable: Operable

Model: BluEvolution 82 Inswing Casement

Operation Type: Casement

NFRC CPD #: EKO-K-4-00011-00001

IGU DETAILS

Glazing Name: CLSKN165 II/ARG/CLR (4MM/4MM) 24MM IG

Glass Layers: Double

Gas Fill: Argon

Spacer: Saint-Gobain Swisspacer

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	0.21	0.22	0.22	0.22	0.23	0.22	0.23	0.23	0.24	0.25

Modeled Size [W×H]

23.62" × 59.06"

SHGC, Whole Window: 0.15

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	0.18	0.19	0.19	0.18	0.20	0.19	0.21	0.22	0.24	0.25

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

0.31

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	4.92"	4.92"	4.92"	4.92"
Frame U-Value [Btu/hr·ft ² ·°F]	0.24	0.24	0.23	0.23
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0060	0.0060	0.0054	0.0054

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	1.22	1.25	1.25	1.24	1.28	1.26	1.32	1.33	1.39	1.42
Modeled Size [W × H]	0.60 m × 1.50 m				SHGC, Whole Window: 0.15			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	1.01	1.07	1.07	1.05	1.14	1.10	1.21	1.24	1.36	1.43

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

0.31

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	125 mm	125 mm	125 mm	125 mm
Frame U-Value [W/m ² K]	1.35	1.35	1.33	1.33
Glazing-to-Frame Psi Value [W/mK]	0.0104	0.0104	0.0095	0.0095

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