



**Phius Product Number:** D-100176  
**Date Last Certified:**  
**THERM Files Available:** No

**Phius Certification Path:** Blue Path  
**Valid Through:**  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Eko-Okna Salamander BluEvolution 82 Inswing Door	
<b>Manufacturer:</b> Eko-Okna S A	<b>Primary Frame Material:</b> Vinyl
<b>Series:</b> Salamander BluEvolution 82	<b>Operation Category:</b> Swinging Door
<b>Model:</b> BluEvolution 82 Inswing Door	<b>Operation Type:</b> Single Door
<b>NFRC CPD #:</b> EKO-K-5-00095-00001	

**IGU DETAILS**

<b>Glazing Name:</b> PLANI XN/ARG/CLR/ARG/PLANI XN (4MM/4MM/4MM) 48MM IG		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer Model:</b> 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-Door U-values by Zone, at Standard Model Size [Btu/hr·ft <sup>2</sup> ·°F]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones				✓	✓	✓				
U-Whole-Door	0.16	0.16	0.16	0.16	0.17	0.16	0.17	0.17	0.18	0.18
Modeled Size [W × H]	37.80" × 82.28"		SHGC, Whole Door: 0.29				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·ft <sup>2</sup> ·°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	0.12	0.13
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.50		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
Frame Width	6.10"	6.10"	6.10"	4.92"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.22	0.22	0.22	0.36
Glazing-to-Frame Psi Value [Btu/hr·ft <sup>2</sup> ·°F]	0.0065	0.0065	0.0060	0.0093
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				



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<b>Model:</b> BluEvolution 82 Inswing Door	<b>Operation Type:</b> Single Door
<b>NFRC CPD #:</b> EKO-K-5-00095-00001	

**IGU DETAILS**

<b>Glazing Name:</b> PLANI XN/ARG/CLR/ARG/PLANI XN (4MM/4MM/4MM) 48MM IG		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer Model:</b> 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-Door U-values by Zone, at Standard Model Size [W/m <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones				✓	✓	✓				
U-Whole-Door	0.93	0.93	0.93	0.93	0.94	0.94	0.96	0.97	1.00	1.02
Modeled Size [W × H]	0.96 m × 2.09 m		SHGC, Whole Door: 0.29				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 <sup>2</sup> K]										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.58	0.58	0.58	0.58	0.60	0.59	0.63	0.64	0.70	0.74
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.50		

Frame Parameters	Left Jamb	Right Jamb	Left Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	155 mm	155 mm	155 mm	125 mm
Frame U-Value [W/m <sup>2</sup> K]	1.24	1.24	1.23	2.06
Glazing-to-Frame Psi Value [W/mK]	0.0114	0.0114	0.0104	0.0161
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				