



**Phius Product Number:** W-101713  
**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**

<b>Product Name:</b> Eko-Okna Salamander BluEvolution 82 Tilt & Turn	
<b>Manufacturer:</b> Eko-Okna S A	<b>Primary Frame Material:</b> Vinyl
<b>Series:</b> Salamander BluEvolution 82	<b>Fixed or Operable:</b> Operable
<b>Model:</b> BluEvolution 82 Tilt & Turn	<b>Operation Type:</b> Dual Action Tilt Turn
<b>NFRC CPD #:</b> EKO-K-2-00089-00001	

**IGU DETAILS**

<b>Glazing Name:</b> LAMI/ARG/PLANI XN II (5MM   076   5MM/6MM) 33MM IG		
<b>Glass Layers:</b> Double	<b>Gas Fill:</b> Argon	<b>Spacer:</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-Window 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
<b>Recommended Zones</b>						✓				
<b>U-Whole-Window</b>	0.21	0.22	0.22	0.22	0.23	0.22	0.23	0.24	0.25	0.26
<b>Modeled Size [W×H]</b>	47.24" × 59.06"		<b>SHGC, Whole Window:</b> 0.37				<b>Condensation Resistance:</b>			

**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
<b>U-COG Value</b>	0.19	0.20	0.20	0.20	0.21	0.20	0.22	0.23	0.24	0.26
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.56		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
<b>Frame Width</b>	4.92"	4.92"	4.92"	4.92"
<b>Frame U-Value [Btu/hr·ft<sup>2</sup>·°F]</b>	0.24	0.24	0.24	0.24
<b>Glazing-to-Frame Psi Value [Btu/hr·ft·°F]</b>	0.0073	0.0073	0.0070	0.0070
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



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<b>Manufacturer:</b> Eko-Okna S A	<b>Primary Frame Material:</b> Vinyl
<b>Series:</b> Salamander BluEvolution 82	<b>Fixed or Operable:</b> Operable
<b>Model:</b> BluEvolution 82 Tilt & Turn	<b>Operation Type:</b> Dual Action Tilt Turn
<b>NFRC CPD #:</b> EKO-K-2-00089-00001	

**IGU 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/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-Window	1.21	1.24	1.24	1.23	1.28	1.26	1.32	1.34	1.41	1.45
Modeled Size [W × H]	1.20 m × 1.50 m		<b>SHGC, Whole Window:</b> 0.37				<b>Condensation Resistance:</b>			

**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	1.08	1.13	1.13	1.11	1.19	1.15	1.25	1.28	1.39	1.45
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.56		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
<b>Frame Width</b>	125 mm	125 mm	125 mm	125 mm
<b>Frame U-Value</b> [W/m <sup>2</sup> K]	1.37	1.37	1.35	1.35
<b>Glazing-to-Frame Psi Value</b> [W/mK]	0.0127	0.0127	0.0122	0.0122
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				