



**Phius Product Number:** D-100174  
**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-5-00054-00001                                |  |

**IGU DETAILS**

|  |                        |  |
|--|------------------------|--|
| <b>Glazing Name:</b> LAMI/ARG/PLANI XN (5MM 076 5MM/6MM) 33MM IG |                        |  |
| <b>Glass Layers:</b> Double                                      | <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   | 0.23            | 0.23 | 0.23                   | 0.23 | 0.24   | 0.23   | 0.24                     | 0.25 | 0.26 | 0.26 |
| Modeled Size [W × H]   | 37.80" × 82.28" |      | SHGC, Whole Door: 0.33 |      |        |        | 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  | 0.19    | 0.20 | 0.20 | 0.20 | 0.21   | 0.20   | 0.22   | 0.23 | 0.25 | 0.26 |
| SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones      |         |      |      |      |        |        |        | 0.56 |      |      |

| 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]  | 0.24        | 0.24         | 0.23       | 0.39          |
| Glazing-to-Frame Psi Value [Btu/hr·ft <sup>2</sup> ·°F]   | 0.0071      | 0.0071       | 0.0067     | 0.0098        |
| <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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|---|--|
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| <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-5-00054-00001                                |  |

**IGU DETAILS**

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| <b>Glazing Name:</b> LAMI/ARG/PLANI XN (5MM 076 5MM/6MM) 33MM IG |                        |  |
| <b>Glass Layers:</b> Double                                      | <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   | 1.28            | 1.31 | 1.31                   | 1.30 | 1.34   | 1.32   | 1.38                     | 1.40 | 1.46 | 1.50 |
| Modeled Size [W × H]   | 0.96 m × 2.09 m |      | SHGC, Whole Door: 0.33 |      |        |        | 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   | 1.09    | 1.14 | 1.14 | 1.12 | 1.20   | 1.16   | 1.26   | 1.29 | 1.39 | 1.46 |
| SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones |         |      |      |      |        |        |        | 0.56 |      |      |

| 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> |
| <b>Frame Width</b>   | 155 mm      | 155 mm       | 155 mm     | 125 mm        |
| <b>Frame U-Value [W/m<sup>2</sup>K]</b>  | 1.35        | 1.35         | 1.33       | 2.23          |
| <b>Glazing-to-Frame Psi Value [W/mK]</b>   | 0.0123      | 0.0123       | 0.0116     | 0.0171        |
| <b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.) |             |              |            |               |