



**Phius Product Number:** W-101441  
**Date Last Certified:** 08/15/2023  
**THERM Files Available:** No

**Phius Certification Path:** Blue Path  
**Valid Through:** 08/15/2025  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Euroline 1800 Series Casement	
<b>Manufacturer:</b> EuroLine Windows Inc	<b>Primary Frame Material:</b> Vinyl
<b>Series:</b> 1800-Series	<b>Fixed or Operable:</b> Operable
<b>Model:</b> 1800 Series Casement	<b>Operation Type:</b> Casement
<b>NFRC CPD #:</b> ANG-M-21-00623-00001	

**IGU DETAILS**

<b>Glazing Name:</b> E180 / arg90 / clear / arg90 / E270 (4mm/4mm/4mm) - 37mm IG_CL		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Argon	<b>Spacer:</b> Quanex Super Spacer TriSeal

**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
Recommended Zones				✓	✓	✓				
U-Whole-Window	0.19	0.19	0.19	0.19	0.18	0.19	0.18	0.18	0.19	0.19
Modeled Size [W×H]	23.62" × 59.06"		SHGC, Whole Window: 0.27				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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.43		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
<b>Frame Section</b>	<b>Left</b>	<b>Right</b>	<b>Top</b>	<b>Bottom</b>
Frame Width	3.43"	3.43"	3.43"	3.43"
Frame U-Value [Btu/hr·ft <sup>2</sup> ·°F]	0.25	0.25	0.24	0.24
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0113	0.0113	0.0108	0.0108
<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>Series:</b> 1800-Series	<b>Fixed or Operable:</b> Operable
<b>Model:</b> 1800 Series Casement	<b>Operation Type:</b> Casement
<b>NFRC CPD #:</b> ANG-M-21-00623-00001	

**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	1.06	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.06
Modeled Size [W × H]	0.60 m × 1.50 m		SHGC, Whole Window: 0.27				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	0.73	0.72	0.72	0.72	0.71	0.71	0.71	0.71	0.72	0.72
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.43		

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>	87 mm	87 mm	87 mm	87 mm
<b>Frame U-Value</b> [W/m <sup>2</sup> K]	1.42	1.42	1.39	1.39
<b>Glazing-to-Frame Psi Value</b> [W/mK]	0.0197	0.0197	0.0187	0.0187
<b>Frame-to-Wall Psi Value</b> is dependent on the on-site installation condition. (See Phius Guidebook for more details.)				