



**Phius Product Number:** W-101743  
**Date Last Certified:** 11/05/2023  
**THERM Files Available:** No

**Phius Certification Path:** Blue Path  
**Valid Through:** 11/05/2025  
**Air Leakage Test Data Available:** No



**PRODUCT INFORMATION**

<b>Product Name:</b> Kommerling USA 88mm Dual Action Window	
<b>Manufacturer:</b> Kommerling USA	<b>Primary Frame Material:</b> Vinyl
<b>Series:</b> 88mm	<b>Fixed or Operable:</b> Operable
<b>Model:</b> 88mm Dual Action Window	<b>Operation Type:</b> Dual Action Tilt Turn
<b>NFRC CPD #:</b> KOM-K-9-00073-00001	

**IGU DETAILS**

<b>Glazing Name:</b> Sungate® 400 on Clear 5mm/12.7 mm 90% Krypton/Sungate® 400 on Clear 5mm/12.7 mm 90% Krypton/Sungate® 400 on Clear 5mm		
<b>Glass Layers:</b> Triple	<b>Gas Fill:</b> Krypton	<b>Spacer:</b> Kommerling Aluminum Spacer

**RECOMMENDED CLIMATE ZONES** *(NOTE: This information is not for use in building energy models. See next section.)*

<b>Recommended Climate Zones and Whole-Window U-values by Zone, at Standard Model Size [Btu/hr·ft²·°F]</b>										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones					✓	✓	✓			
U-Whole-Window	0.14	0.14	0.14	0.14	0.15	0.14	0.15	0.15	0.15	0.16
<b>Modeled Size [W×H]</b>	47.24" × 59.06"			<b>SHGC, Whole Window:</b> 0.34			<b>Condensation Resistance:</b>			

**COMPONENT-LEVEL PERFORMANCE DATA [IP Units]** | *Compatible with building energy modeling tools*

<b>U-COG   Center of Glass U-Values, by Climate Zone [Btu/hr·ft²·°F]</b>										
Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
U-COG Value	0.09	0.10	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.11
<b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>								0.49		

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>	4.65"	4.65"	4.65"	4.65"
<b>Frame U-Value [Btu/hr·ft²·°F]</b>	0.24	0.24	0.24	0.24
<b>Glazing-to-Frame Psi Value [Btu/hr·ft·°F]</b>	0.0038	0.0038	0.0038	0.0038
<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>Series:</b> 88mm	<b>Fixed or Operable:</b> Operable
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<b>NFRC CPD #:</b> KOM-K-9-00073-00001	

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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	0.79	0.82	0.82	0.81	0.83	0.82	0.84	0.84	0.87	0.89
Modeled Size [W × H]	1.20 m × 1.50 m			SHGC, Whole Window: 0.34			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	0.50	0.54	0.54	0.54	0.56	0.55	0.57	0.58	0.62	0.65
SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.49		

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	118 mm	118 mm	118 mm	118 mm
Frame U-Value [W/m²K]	1.35	1.35	1.34	1.34
Glazing-to-Frame Psi Value [W/mK]	0.0067	0.0067	0.0066	0.0066

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