



Phius Product Number: W-101742
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

Product Name: Kommerling USA 88mm Fixed Window	
Manufacturer: Kommerling USA	Primary Frame Material: Vinyl
Series: 88mm	Fixed or Operable: Fixed
Model: 88mm Fixed Window	Operation Type: Fixed
NFRC CPD #: KOM-K-8-00131-00001	

IGU DETAILS

Glazing Name: 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		
Glass Layers: Triple	Gas Fill: Krypton	Spacer: Kommerling Aluminum Spacer

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·ft²·°F]										
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	0.14	0.14	0.15	0.15	0.15	0.16
Modeled Size [W×H]	47.24" × 59.06"			SHGC, Whole Window: 0.38			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·ft²·°F]										
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
SHGC-COG Center of Glass Solar Heat Gain Coefficient, All Climate Zones								0.49		

Frame Parameters	Left Jamb	Right Jamb	Head	Sill
Frame Section	Left	Right	Top	Bottom
Frame Width	3.15"	3.15"	3.15"	3.15"
Frame U-Value [Btu/hr·ft²·°F]	0.27	0.27	0.27	0.27
Glazing-to-Frame Psi Value [Btu/hr·ft·°F]	0.0101	0.0101	0.0098	0.0098
Frame-to-Wall Psi Value is dependent on the on-site installation condition. <i>(See Phius Guidebook for more details.)</i>				



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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	0.78	0.81	0.81	0.81	0.82	0.81	0.83	0.84	0.87	0.89
Modeled Size [W × H]	1.20 m × 1.50 m			SHGC, Whole Window: 0.38			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
Frame Section	Left	Right	Top	Bottom
Frame Width	80 mm	80 mm	80 mm	80 mm
Frame U-Value [W/m²K]	1.54	1.54	1.52	1.52
Glazing-to-Frame Psi Value [W/mK]	0.0175	0.0175	0.0171	0.0171

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