



Phius Product Number: W-101758
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-8-00135-00001

IGU DETAILS

Glazing Name: ClimaGuard® 70 on 5 mm Clear/12.7 mm 90% Argon/ClimaGuard® 70 on 5 mm Clear/12.7 mm 90% Argon/Sungate® 400 on Clear 5mm

Glass Layers: Triple

Gas Fill: Argon

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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15

Modeled Size [W×H]

47.24" × 59.06"

SHGC, Whole Window: 0.20

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	0.10	0.10	0.10	0.10	0.10	0.10	0.11

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.26

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]	0.0105	0.0105	0.0103	0.0103

Frame-to-Wall Psi Value is dependent on the on-site installation condition. (See *Phius Guidebook* for more 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/m²K]

Climate Zone	0, 1, 2	3A	3B	3C	4A, 4B	4C, 5C	5A, 5B	6	7	8
Recommended Zones	✓	✓	✓	✓	✓	✓	✓			
U-Whole-Window	0.80	0.84	0.84	0.83	0.84	0.84	0.84	0.84	0.85	0.85

Modeled Size [W × H]

1.20 m × 1.50 m

SHGC, Whole Window: 0.20

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	0.53	0.57	0.57	0.57	0.58	0.58	0.58	0.58	0.59	0.60

SHGC-COG | Center of Glass Solar Heat Gain Coefficient, All Climate Zones

0.26

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]	1.53	1.53	1.51	1.51
Glazing-to-Frame Psi Value [W/mK]	0.0183	0.0183	0.0179	0.0179

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