



**Phius Product Number:** W-101734  
**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 Fixed Window |                                      |
| <b>Manufacturer:</b> Kommerling USA                   | <b>Primary Frame Material:</b> Vinyl |
| <b>Series:</b> 88mm                                   | <b>Fixed or Operable:</b> Fixed      |
| <b>Model:</b> 88mm Fixed Window                       | <b>Operation Type:</b> Fixed         |
| <b>NFRC CPD #:</b> KOM-K-8-00168-00001                |                                      |

**IGU DETAILS**

|   |                        |                                    |
|---|------------------------|------------------------------------|
| <b>Glazing Name:</b> Solarban 60 on 6 mm Clear/14.2 mm 90% Argon/6 mm Clear/14.2 mm 90% Argon/Sungate® 400 on Clear 6mm |                        |                                    |
| <b>Glass Layers:</b> Triple   | <b>Gas Fill:</b> Argon | <b>Spacer:</b> HB Fuller Ködispace |

**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·ft<sup>2</sup>·°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 | 0.14   | 0.14   | 0.14                            | 0.14 | 0.15 | 0.15 |
| <b>Modeled Size [W×H]</b>   | 47.24" × 59.06" |      | <b>SHGC, Whole Window:</b> 0.27 |      |        |        | <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·ft<sup>2</sup>·°F]</b> |         |      |      |      |        |        |        |      |      |      |
|---|---------|------|------|------|--------|--------|--------|------|------|------|
| Climate Zone  | 0, 1, 2 | 3A   | 3B   | 3C   | 4A, 4B | 4C, 5C | 5A, 5B | 6    | 7    | 8    |
| U-COG Value   | 0.12    | 0.12 | 0.12 | 0.12 | 0.12   | 0.12   | 0.12   | 0.12 | 0.13 | 0.13 |
| <b>SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones</b>    |         |      |      |      |        |        |        | 0.34 |      |      |

| 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>  | 3.15"       | 3.15"        | 3.15"      | 3.15"         |
| <b>Frame U-Value [Btu/hr·ft<sup>2</sup>·°F]</b>   | 0.17        | 0.17         | 0.17       | 0.17          |
| <b>Glazing-to-Frame Psi Value [Btu/hr·ft<sup>2</sup>·°F]</b>  | 0.0099      | 0.0099       | 0.0098     | 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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**IGU DETAILS**

|   |                        |                                    |
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| <b>Glass Layers:</b> Triple   | <b>Gas Fill:</b> Argon | <b>Spacer:</b> HB Fuller Ködispace |

**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  | 0.81            | 0.81 | 0.81                            | 0.81 | 0.81   | 0.81   | 0.81                            | 0.81 | 0.83 | 0.85 |
| Modeled Size [W × H]  | 1.20 m × 1.50 m |      | <b>SHGC, Whole Window:</b> 0.27 |      |        |        | <b>Condensation Resistance:</b> |      |      |      |

**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   | 0.70    | 0.70 | 0.70 | 0.70 | 0.70   | 0.70   | 0.70   | 0.70 | 0.73 | 0.75 |
| SHGC-COG   Center of Glass Solar Heat Gain Coefficient, All Climate Zones |         |      |      |      |        |        |        | 0.34 |      |      |

| 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>                       | 80 mm       | 80 mm        | 80 mm      | 80 mm         |
| <b>Frame U-Value [W/m²K]</b>             | 0.99        | 0.99         | 0.96       | 0.97          |
| <b>Glazing-to-Frame Psi Value [W/mK]</b> | 0.0173      | 0.0173       | 0.017      | 0.0171        |

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