



PRODUCT DATA SHEET

PRODUCT PERFORMANCE VALUES



Product Performance Values

Your Highest Standard In Mind

At Artistic Skylight® we are working hard to bring you some of the best daylighting products around. Designed and manufactured in Canada, our products are tested to meet the requirements of our unforgiving northern climate. Our design and manufacturing facility complies with third party certified surprise factory inspections, verifying our product is tested and manufactured for quality and performance.

Our entire Artistic Skylight® line of products endures rigorous laboratory testing to ensure a quality product that you can trust. This has led to some of the highest performing skylights available.

Energy Performance Definitions

U-Factor: Measures the rate of heat transfer through the skylight. In other words, how well does the skylight prevent heat from escaping the building. The lower the value, the better the product is at keep heat inside. This is typically important during the winter months.

Solar Heat Gain Coefficient (SHGC): The fraction of solar radiation admitted through a skylight. The less SHGC, the less solar heat it transmits and the greater shading ability. It is important to not consider Solar Heat and Visible Light as the same property.

Visual Light Transmittance (VLT): The amount of visible light that passes through the skylight. The higher the number, the more direct daylight.

Energy Star® and Certifications

Energy Star® and Skylights

Simply put, Energy Star® is a single zone rating that identifies a product as being capable of meeting the maximum U-Factor of 2.29 (0.40).

As a firm believer in high energy efficiency, Artistic Skylight® offers one of the largest ranges of Energy Star® rated Skylights and Solar Tunnels. This also includes the required rigorous testing required to meet the harsh climate of Canada. All of our Energy Star® rated skylights meet the maximum U-Factor and are required to submit to a unscheduled factory audit.

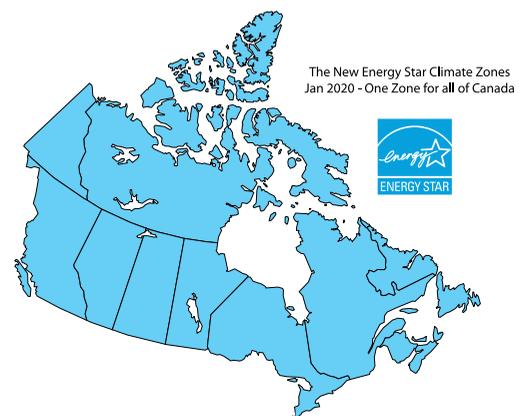
Certifications

Artistic Skylight® daylighting products have been tested and certified by the following standards:

- **AAMA/WDMA/CSA 101/I.S.2/A440-08** NAFS 08-North American Fenestration Standard/Specification for Windows, Doors, & Skylights
- **A440S1-09** Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS
- **A440.2-14 / A440.3-14** Fenestration Energy Performance
- **CAN/CGSB-63.14-M89** Applies to plastic skylights intended for use on buildings
- **NFRC 100** Procedure to determine fenestration product U-Factors



Third party tested for superior product performance and quality assurance.



A Proudly Canadian Company

Product Performance Values

Energy Star® Skylights

Look out for the Energy Star® Logo for the highest rated energy performance skylights.



Our New Energy+ Skylights

Our Energy+ Skylights are designed and tested to extremely low U-Values to be compliant with Ontario Building Code SB-12.



Skylights For Everyone

Our full line of daylighting products will be sure to meet your every project requirements.



Curb Mounted Skylights (ACRYLIC)

Model	V-PVCCM/ EV-PVCCM/ SP-EV-PVCCM	V-PVCCM/ EV-PVCCM/ SP-EV-PVCCM (Triple)	PVCCM	T-PVCCM
Acrylic Glazing	Dual Glazed Acrylic	Triple Glazed Acrylic	Dual Glazed Acrylic	Triple Glazed Acrylic
Energy Star	-	-	-	
U-Value (Imperial)*	3.98 (0.70)	2.839 (0.50)	3.98 (0.70)	2.78 (0.49)
SHGC*	CLR [.77] BRZ [.48] WHT[.50]	CLR [.73] BRZ [.44] WHT[.46]	CLR [.77] BRZ [.48] WHT[.50]	CLR [.73] BRZ [.44] WHT[.46]
VLT (%)*	CLR [86] BRZ [50] WHT[48]	CLR [81] BRZ [45] WHT[45]	CLR [86] BRZ [50] WHT[48]	CLR [81] BRZ [45] WHT[45]
Design Pressure (Pa)	+3840/-1200	+3840/-1200	+2400/-2400	+2400/-2400
Water Penetration Resistance Test Pressure (Pa)	730	730	730	730
Canadian Air Infiltration/ Exfiltration	A3	A3	Fixed	Fixed

Curb Mounted Skylights (GLASS)

Model	GV-PVCCM/ EGV-PVC-CM/ SP-EGV-PVCCM	GV-PVCCM/ EGV-PVCCM/ SP-EGV-PVCCM (Triple)	G-PVCCM	T-G-PVCCM
Glass Glazing	Dual Glazed IGU*	Triple Glazed IGU**	Dual Glazed IGU*	Triple Glazed IGU**
Energy Star	-			
U-Value (Imperial) ¹	2.93 (0.51)	2.52 (0.44)	2.75 (0.48)	2.16 (0.38)
SHGC	0.24	0.31	0.57	0.51
VLT	0.54	0.54	0.70	0.56
Design Pressure (Pa)	+10080/-2520	+10080/-2520	+9120/-3840	+9120/-3840
Water Penetration Resistance Test Pressure (Pa)	730	730	730	730
Canadian Air Infiltration/ Exfiltration	A3	A3	Fixed	Fixed

* Tempered / Low-E Tempered, Argon Fill

¹ U-Value - W/m²K (BTU/h ft² F)

** Low-E Tempered / Tempered/ Low-E Tempered, Argon Fill

Product Performance Values

Self Flashing Skylights (ACRYLIC)

Model	V-PVCSR/ EV-PVCSR	TV-PVCSR/ ETV-PVCSR (Triple)	PVCSR	T-PVCSR
Acrylic Glazing	Dual Glazed Acrylic	Triple Glazed Acrylic	Dual Glazed Acrylic	Triple Glazed Acrylic
Energy Star	-	-	-	
U-Value (Imperial)*	3.98 (0.70)	2.839 (0.50)	3.98 (0.70)	2.78 (0.49)
SHGC*	CLR [.77] BRZ [.48] WHT[.50]	CLR [.73] BRZ [.44] WHT[.46]	CLR [.77] BRZ [.48] WHT[.50]	CLR [.73] BRZ [.44] WHT[.46]
VLT (%)*	CLR [86] BRZ [50] WHT[48]	CLR [81] BRZ [45] WHT[45]	CLR [86] BRZ [50] WHT[48]	CLR [81] BRZ [45] WHT[45]
Design Pressure (Pa)	+3840/-2880	+3840/-2880	+2400/-1440	+2400/-1440
Water Penetration Resistance Test Pressure (Pa)	730	730	730	730
Canadian Air Infiltration/ Exfiltration	A3	A3	Fixed	Fixed

* Values based on glazing paired with clear glazing from ASHRAE Handbook of fundamentals (assume .177 thickness)

** U-Value - W/m²K (BTU/ h ft² F)

Self Flashing Skylights (GLASS)

Model	GV-PVCSR/ EGV-PVCSR	GV-PVCSR/ EGV-PVCSR (Triple)	G-PVCSR	TG-PVCSR
Glass Glazing	Dual Glazed IGU*	Triple Glazed IGU**	Dual Glazed IGU*	Triple Glazed IGU**
Energy Star				
U-Value (Imperial) ¹	2.37 (0.41)	1.97 (0.34)	2.29 (0.40)	1.49 (0.26)
SHGC	0.33	0.31	0.53	0.49
VLT	0.55	0.54	0.63	0.63
Design Pressure (Pa)	+5040/-1440	+5040/-1440	+5270 / -2400	+5270 / -2400
Water Penetration Resistance Test Pressure (Pa)	730	730	730	730
Canadian Air Infiltration/ Exfiltration	A3	A3	Fixed	Fixed

* Tempered / Low-E Tempered, Argon Fill

¹ U-Value - W/m²K (BTU/ h ft² F)

** Low-E Tempered / Tempered/ Low-E Tempered, Argon Fill

Product Performance Values

Commercial Unit Skylights (ACRYLIC)



Model	FF	T-FF
Acrylic Glazing	Dual Glazed Acrylic	Triple Glazed Acrylic
Energy Star	-	
U-Value*	3.98 (.70)	2.78 (0.49)
SHGC*	CLR [.77] BRZ [.48] WHT[.50]	CLR [.73] BRZ [.44] WHT[.46]
VLT (%)*	CLR [86] BRZ [50] WHT[48]	CLR [81] BRZ [45] WHT[45]
Design Pressure (Pa)	+3360/-3360	+3360/-3360
Water Penetration Resistance Test Pressure (Pa)	720	720
Canadian Air Infiltration/Exfiltration	Fixed	Fixed

* Values based on glazing paired with clear glazing from ASHRAE Handbook of fundamentals (assume .177 thickness)
 ** U-Value - W/m²K (BTU/h ft² F)

Solar Tunnel Skylights WITH ENERGY KIT

Model	ETS Slope Flashing	ETS Curb Flashing
Lenses	Dual Glazed Acrylic	Triple Glazed Acrylic
Energy Star		
U-Value*	2.72 (0.48)	2.72 (0.48)
SHGC*	0.27	0.27
VLT (%)*	0.24	0.24
Design Pressure (Pa)	+9576/-9576	+9576/-9576
Water Penetration Resistance Test Pressure (Pa)	580	580
Canadian Air Infiltration/Exfiltration	Fixed	Fixed

* U-Value - W/m²K (BTU/h ft² F)

Looking For Additional Information?

If you need more information or technical support, our team is ready to help.



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Monday to Friday
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Shipping and Receiving

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