

## LEED™ NC 3.0 Statement

LEED™ (Leadership in Energy and Environmental Design) is a voluntary, consensus-based national ratings system. Developed by USGBC, LEED™ addresses all building types and emphasizes state-of-the-art strategies for sustainable site development, water savings, energy efficiency, materials and resources selection, and indoor environmental quality.



**NOTE:** Although USGBC (LEED™) does not certify, promote or endorse products and services of individual companies, products and services do play a role and can help projects with credit achievement (products and services do not earn projects points.) The following information is a guideline on how [Artistic Skylight](#) systems may qualify your project for LEED™ points in the following categories:

### SUSTAINABLE SITES

#### SS Credit 7.2 Reduce Heat Island Effect

LEED™ POINTS: [1]

[Artistic's](#) unit skylights offer exceptional light management, using state-of-the-art low-E glass technology to deliver 8 Energy Star® approved glazing options that help to mitigate the heat island effect through high solar reflectance and high thermal emittance. Optional colors for the aluminum structural framing are blended to promote "cool" surface temperatures as well.

Our multi-wall polycarbonate vaulted and continuous glazing systems offer significant reflectivity and high emissivity. Depending on design configurations, these skylights may meet SRI requirements listed in ASTM E1980, ASTM E408 and ASTM E903 to reduce Heat Island Effect for roofs.

### ENERGY & ATMOSPHERE

#### EA Cr 1.0 Optimize Energy Performance

LEED™ POINTS: [1-19]

[Artistic Skylight](#) glass, acrylic and multi-wall polycarbonate skylights are energy saving, offering natural light with exceptional insulating properties with U-values as low as 2.00 ((W/m<sup>2</sup>.°C). Solar Heat Gain is minimized with solar heat gain coefficient values as low as 0.24.

[Artistic's](#) energy efficient skylight products minimize heat loss during winter months and reduce the heat gain from direct sunlight during the summer months, saving energy and stabilizing HVAC loads. It may be possible to obtain EA credit 1.0 by incorporating [Artistic](#) skylight systems into the buildings natural daylighting requirements. (see ENERGY STAR® table A)

### MATERIAL AND RESOURCES

#### MR Cr 4.1, 4.2 Recycled Content

LEED™ POINTS: [1-2]

The aluminum extrusions used for [Artistic Skylight's](#) extruded components are made from 80% recycled material. The raw material consists of 60% post industrial/20% post consumer recycled content.

#### MR Credit 5.1 Local/Regional Materials

LEED™ POINTS: [1-2]

[Artistic](#) skylight products and systems are manufactured in Woodbridge, Ontario, Canada. All LEED™ registered construction projects within a 500 mile radius from the factory, may qualify for LEED™ credits that utilize our skylight systems.

## INDOOR ENVIRONMENTAL QUALITY

### EQ 2.0 Increased Ventilation

LEED™ POINTS: [1]

**Artistic** skylight products provide a source of natural ventilation which is preferred by occupants over mechanical (HVAC) systems. Venting skylights can help remove internal VOC's in a building and are available in manual and electric venting configurations which can be controlled in singles and multiples from remote controls and wall switches.

### EQ 4.1 Low Emitting Materials: Adhesives and Sealants

LEED™ POINTS: [1]

**Artistic Skylight** uses structural glazing adhesives that omit less than 20g/l which is well under the 100g/l limit as per the EQ 4.1 requirements for structural glazing adhesive materials, thus helping to reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

### EQ 4.2 Low Emitting Material: Paints and Coatings

LEED™ POINTS: [1]

**Artistic Skylight's** state-of-the-art manufacturing processes makes it possible to provide environmentally-friendly skylight systems that utilize fully cured paint coatings with little VOC emission. Many of the products arrive pre-assembled and pre-finished from the factory to the jobsite without causing any indoor air quality contamination.

### EQ Cr 6.2 Thermal Comfort Control

LEED™ POINTS: [1]

**Artistic's** skylights are available as operable venting models, which provide comfort system controls for all shared multi-occupant spaces to enable adjustments to meet group needs and preferences. Venting skylights are available in manual and electric remote operable models (V-PVCCM, GV-PVCCM and EVG-PVCCM). Manual venting models are operated by a crank handle with a telescopic pole extension.

### EQ Cr 8.1 Daylight (1 pt or 1-3 pts for schools)

LEED™ POINTS: [1]

**Artistic's** skylight products offer soft, diffused glare-free natural sunlight utilizing translucent acrylic, polycarbonate and glass glazing options with various degrees of diffusion and glare-reduction available.



**Table A: ENERGY STAR® test data - Glass unit skylights**

ID	Manufacturer Product Code	Frame and Glazing Details	LowE Emissivity	Gap /Fill	Spacer	Overall U-Factor (W/m <sup>2</sup> ·°C)	SHGC <sub>e</sub>	Visual Transmittance (VT)	NRCan Energy Star® Zone	
1	G-PVCCM-GRD01	Dual Glazing Exterior - 4 mm GRD 71/38 Clear (S#2) Interior - 4 mm Clear	ID#3234 ID#3014	0.027	12.7 mm AR 90%	A1-D	2.87	0.36	0.64	- <sup>1</sup>
6	G-PVCCM-LOF01	Dual Glazing Exterior - 4 mm Pilk. NA Eclipse Adv. Bronze (S#2) Interior - 4 mm Pilk. NA Energy Adv. Clear (S#2)	ID#9908 ID#9922	0.209/ 0.164	12.7 mm AR 90%	A9-D	2.76	0.32	0.30	A
8	G-PVCCM-GRD02	Dual Glazing Exterior - 4 mm GRD 71/38 Clear (S#2) Interior - 7 mm Laminated Clear	ID#3234 ID#610	0.027	12.7 mm AR 90%	ZF-S	2.83	0.35	0.63	- <sup>1</sup>
2	G-PVCCM-GRD03	Dual Glazing Exterior - 4 mm GRD 71/38 Clear (S#2) Interior - 4 mm GRD 71/38 Clear (S#4)	ID#3234 ID#3234	0.027/ 0.027	12.7 mm AR 90%	ZF-S	2.45	0.33	0.55	AB
4	G-PVCCM-PPG01	Dual Glazing Exterior - 4 mm PPG SolarBan 70XL Clear (S#2) Interior - 4 mm PPG Sungate 500 Clear (S#4)	ID#5433 ID#5244	0.018/ 0.215	12.7 mm AR 90%	A9-D	2.57	0.24	0.54	AB
5	G-PVCCM-CIG01	Dual Glazing Exterior - 4 mm CIG LoE* 366 Clear (S#2) Interior - 4 mm Clear	ID#2155 ID#2002	0.022	12.7 mm AR 90%	A9-D	2.86	0.26	0.58	- <sup>1</sup>
7	G-PVCCM-PPG02	Dual Glazing Exterior - 4 mm PPG SolarBan 70XL Clear (S#2) Interior - 7 mm Laminated PPG SG 500 Clear (S#4)	ID#5433 ID#604	0.018/ 0.215	12.7 mm AR 90%	A9-D	2.57	0.24	0.54	AB
3	G-PVCCM-GRD04	Triple Glazing Exterior - 4 mm GRD 71/38 Clear (S#2) Middle - 4 mm GRD IS-15 Clear (S#4) Interior - 4 mm Clear	ID#3234 ID#3328 ID#3014	0.027/ 0.149	2×12.7 mm AR 90%	ZF-S	2.00	0.31	0.54	ABCD