

RESIDENTIAL



INDUSTRIAL

CUSTOM



Bristolite® Skylights



Bristolite® Skylights

Bristolite Skylights is the most recognized names in skylighting. For more than three decades we have led the industry with many skylight designs, sizes and options. The vast product line, including Residential, Custom and Industrial Skylights as well as Smoke Vents and Smoke Hatch Domes has always been known for dependability and variety.

Energy efficiency has always been a cornerstone of our design philosophy. For more than thirty years we have been manufacturing high quality skylights with energy conservation built right in. We are also the forerunner in Daylighting Design Programs which allow manufacturing and retail facilities to literally turn off the lights throughout most of the day and use free natural daylight for illumination saving dollars as well as precious energy.

When the conservation codes demand the most efficient products available, whatever the size of the project, turn to Bristolite for the right solutions to all your skylighting needs.



A Few Of Our Satisfied Customers

Abbott Laboratories
American Isuzu
Busch Gardens
Cheesecake Factory
Chevron USA
Costco

Dart Container
Disney
Eagle Hardware
Fender Guitar
Federal Express
Food-4-Less

Frito Lay
Georgia Pacific
Gillette Papermate
Home Depot
Kaiser Permanente
Mattel

Mercedes Benz
Monsanto Co.
Parker Hannifin
Pep Boys
Procter & Gamble
Sears

Sherwin Williams
Target
Toyota
Toys "R" Us
U.S. Postal Service
Walmart



Model S

- Fiberlite Fiberglass Dome
- Curb-Mount or Self flashing
- Has been tested to current OSHA Regulations for Fall Protection Systems Criteria and Practices (1926.502)*
- Available with louvered base Model SL

*Fall Protection Testing has been performed on the 4x8 domes



Model SHD

- Fiberglass Smoke Hatch Dome
- Curb-Mount or Self flashing
- Available with Louvered base Model SHDL
- Selected sizes available in cost saving Galvanized Steel



Model SV

- UL Listed and FM Approved Smoke Vents
- Aluminum or Steel bases
- Fiberglass, Acrylic or Metal Lids
- Curb-Mount or Self-Flashing



Listed



Tested And Approved



Model SAH

- Steel Access Hatch
- Provides Safe and Secure access to the roof
- Wood Nailer for easy installation
- Safety Grab Bar Option

The innovative skylight combines the unique glazing material with state-of-the-art domes designed to deliver the most available light inside your building while ensuring safety.



Model SS

- Galvanized Steel Frame Skylight with Dome
- Curb-Mount or Self-Flashing
- Aluminum frame also available.
- Louvered Base also available (Model SSL)



Model SSV

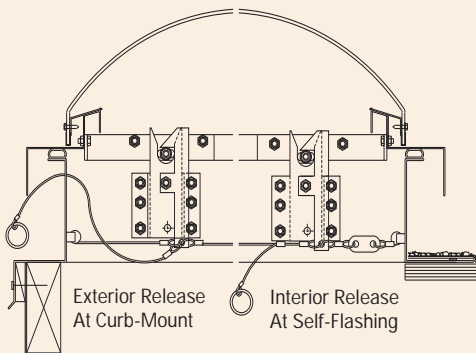
- Galvanized Steel Frame Smoke Vent with Dome
- Curb-Mount or Self-Flashing
- Aluminum frame also available.
- Louvered Bases also available (Model SSVL)

Smoke Vent Options

The following options are available in various combinations on smoke vents. Electrical/Thermal links are available for ganged vent operation from electrical or thermal actuating source

Manual Release

Units can have the option of a manual release, including exterior (OR), interior (IR) or both (OR/IR).



Model SSVDL

The SSVDL 48" x 96" model double lid smoke vent has been tested to meet UBC Standard 15-7. This unit provides smoke and heat venting in areas where high live loads are a factor.

- Galvanized Steel Double Lid Smoke Vent
- Meets UBC Standard 15-7.
- Curb-Mount or Self-Flashing
- Aluminum Frame also available



Model AS

- Fixed Fiberglass Framed Skylight
- Curb-Mount and Self-Flashing
- Six Acrylic Color Choices
- Single or Double Dome



Model AL

- Fixed Aluminum Framed Skylight
- Curb-Mount and Self-Flashing
- Six Acrylic Color Choices
- Single or Double Dome



Model AS-SD & AS-ESD

- Openable Fiberglass Framed Skylight - Manual (SD) or Electric (ESD)
- Curb-Mount and Self-Flashing
- Six Acrylic Color Choices
- Single or Double Dome



Model AL-SD & AL-ESD

- Openable Aluminum Framed Skylight – Manual (SD) or Electric (ESD)
- Curb-Mount and Self-Flashing
- Six Acrylic Color Choices
- Single or Double Dome



Model GAL

- Aluminum Framed Glass Skylight
- Curb-Mount
- Manual or Electric Openable
- Standard Glass Colors Bronze, Grey or Clear
- Optional Low-E and White Laminated Glass Available

Minimum pitch of 3:12 is required for all flat glass models.



Model AL-SKH

- Aluminum Framed Skyhatch Dome
- Easy access to the roof
- Curb-Mount and Self-Flashing
- Six Acrylic Color Choices
- Also available with Fiberglass frame (Model AS-SKH)
- Single or Double Dome

Available Options For Residential Skylights

<p>1. Curb-Mounted (specify by adding CM to model description)</p> <p>2. Self-Flashing (specify by adding SF to model description)</p> <p>3. Double Dome (specify by adding 2 to model description)</p> <p>4. Triple Dome (AL Series ONLY) (specify by adding 3 to model description)</p> <p>5. Polycarbonate Glazing (Inner Dome Only) (specify by adding PC to model description)</p> <p>6. Manual Operable (specify by adding SD to model description)</p> <p>7. Electric Operable (specify by adding ESD to model description)</p>	<p>8. Pyramid Domes (specify by adding P to model description)</p> <p>9. Low Profile Domes (selected sizes) (specify by adding LP to model description)</p> <p>10. Thermally Broken (selected sizes) (specify by adding T to model description)</p> <p>11. Six Acrylic Color Choices: High White Translucent (specify by adding WTH to model description) Medium White Translucent (specify by adding WTM to model description) Low White Translucent (specify by adding WTL to model description) Bronze (specify by adding BT to model description)</p>	<p>Grey (specify by adding GT to model description)</p> <p>Clear Colorless (specify by adding CC to model description)</p> <p>12. Bronze Anodize Finish (specify by adding BA to model description)</p> <p>13. White Painted Frame (specify by adding WP to model description)</p> <p>14. 4" Base Frames are Standard on SF Models, 9" and 12" Base Frames are available as options (specify by adding 9" or 12" to model description)</p> <p>15. Interior Pleated Shades</p>
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Glazing Information

Glazing Material	Light Transmittance*			Shading Coefficient*			U Values / R Values* BTU/HR/Square Foot/°F			
	Single	Double	Triple	Single	Double	Triple	Single Dome	Double Dome	Triple Dome	
High White (WTH)	82%	75%	69%	.76	.72	.68				
Medium White (WTM)	53%	49%	45%	.68	.63	.58	Winter Heat Loss Heat Loss (15mph wind)	1.2 / 0.83	0.7 / 1.43	0.4 / 2.5
Low White (WTL)	32%	29%	27%	.45	.40	.36	Summer Heat Gain Heat Gain (7.5 mph wind)	0.8 / 1.25	0.5 / 2.0	0.3 / 3.33
Bronze Tinted (BT)	27%	25%	23%	.53	.43	.35	Note: During extended periods of temperature and humidity differential condensation may form between double domes. However once this differential is reduced the condensation will dissipate.			
Grey Tinted (GT)	27%	25%	23%	.50	.44	.36				
Clear Colorless (CC)	95%	92%	85%	.97	.89	.82				

*These values are approximate for flat sheets. They may vary with material thickness and final unit configurations.

Glass Options For Residential and Custom Skylights

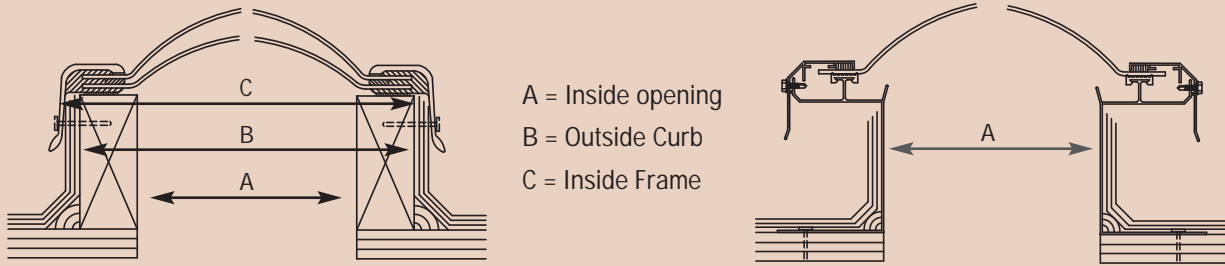
Bristolite procures superior quality glass products from the major Architectural Glass Manufacturers nationwide. Because of the vast assortment and combinations of high performance coatings, colors and thickness it is not possible to list them all here. The following indicate a **sampling** of the most commonly used make-ups for overhead glazing and their associated properties. We would recommend consulting with your design professional in selecting the appropriate glass type for your application and contact Bristolite's Engineering Department for further information.

Insulating Glass Type	Exterior Appearance	Aesthetic Effects	L-T %	Daylight Reflectance		Winter Nighttime U / R	Summer Daytime U / R	Shading Coefficient	UV** Transmittance
				out%	in%				
Clear	Clear	Transparent	80	15	15	.49 / 2.04	.56 / 1.79	0.82	<1%
Bronze	Tinted	Light Brown	47	9	13	.49 / 2.04	.57 / 1.75	0.57	<1%
Grey	Tinted	Light Grey	37	8	13	.49 / 2.04	.57 / 1.75	0.55	<1%
Clear Low-E	Reflective	Transparent	76	13	12	.30 / 3.33	.32 / 3.13	0.67	<1%
Reflective (2) Bronze*	Reflective	Dark Brown	20	15	37	.49 / 2.04	.58 / 1.72	0.38	<1%
Translucent White	Milky	White	65	14	14	.49 / 2.04	.57 / 1.75	0.76	<1%

- Note:**
1. Clear Glass is transparent flat glass that meets the requirements and tolerances of federal specification DD-G-451 d.
 2. All of the above glasses can be heat-strengthened or tempered to meet standard Z97.1 and the Consumer Product Safety Commission Standard 16 CFR 1201 C1 and C2.
 - *3. The appearance and aesthetic effect of reflective glass is greatly affected by the location of the coated side. "(2)" means the coating is on the inside surface (2) of the exterior lite.
 - **4. Based on laminated glass as the interior lite of the insulating unit. Cut off at 380 nanometers (nm) wavelength. Screening out ultra violet radiation can help protect materials. However, consult with your design professional on skylight placement and compatibility. There is no guarantee or warranty against fading.

Shading Coefficient: The dimensionless ratio of the total solar heat gain from a particular glazing system to that for one sheet of clear 3mm (1/8") double-strength glass. The solar heat gain is the sum of the transmitted solar energy plus that portion of the absorbed solar energy which flows inward.

RESIDENTIAL SKYLIGHTS



Available Sizes For Residential Models

Model Number	A Inside Curb Opening	B Outside Curb Opening	C Inside Skylight Frame	Therm-o-weld Models					Alumi-lite Models					
				AS	AS-SD	AS-ESD	AS-P	AS-SKH	AL	AL-SD	AL-ESD	AL-P	AL-SKH	GAL
1414	14 ^{1/4} " x 14 ^{1/4} "	17 ^{1/4} " x 17 ^{1/4} "	18 ^{1/2} " x 18 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
1919	19" x 19"	22" x 22"	23 ^{1/4} " x 23 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
2222	22 ^{1/4} " x 22 ^{1/4} "	25 ^{1/4} " x 25 ^{1/4} "	26 ^{1/2} " x 26 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
3030	30 ^{1/4} " x 30 ^{1/4} "	33 ^{1/4} " x 33 ^{1/4} "	34 ^{1/2} " x 34 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
3737	37" x 37"	40" x 40"	41 ^{1/4} " x 41 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
4242	42" x 42"	45" x 45"	46 ^{1/4} " x 46 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
4646	46 ^{1/4} " x 46 ^{1/4} "	49 ^{1/4} " x 49 ^{1/4} "	50 ^{1/2} " x 50 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
4848	48" x 48"	51" x 51"	52 ^{1/4} " x 52 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
5555	55" x 55"	58" x 58"	59 ^{1/4} " x 59 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
7070	70 ^{1/4} " x 70 ^{1/4} "	73 ^{1/4} " x 73 ^{1/4} "	74 ^{1/2} " x 74 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
7575	75" x 75"	78" x 78"	79 ^{1/4} " x 79 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
8484	84" x 84"	87" x 87"	88 ^{1/4} " x 88 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
9292	92 ^{1/2} " x 92 ^{1/2} "	95 ^{1/2} " x 95 ^{1/2} "	96 ^{3/4} " x 96 ^{3/4} "	•	•	•	•	•	•	•	•	•	•	•

Rectangle

1422	14 ^{1/4} " x 22 ^{1/4} "	17 ^{1/4} " x 25 ^{1/4} "	18 ^{1/2} " x 26 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
1446	14 ^{1/4} " x 46 ^{1/4} "	17 ^{1/4} " x 49 ^{1/4} "	18 ^{1/2} " x 50 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
2230	22 ^{1/4} " x 30 ^{1/4} "	25 ^{1/4} " x 33 ^{1/4} "	26 ^{1/2} " x 34 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
2237	22 ^{1/4} " x 37"	25 ^{1/4} " x 40"	26 ^{1/2} " x 41 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
2246	22 ^{1/4} " x 46 ^{1/4} "	25 ^{1/4} " x 49 ^{1/4} "	26 ^{1/2} " x 50 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
2272	22 ^{1/4} " x 72"	25 ^{1/4} " x 75"	26 ^{1/2} " x 76 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
2296	22 ^{1/4} " x 96"	25 ^{1/4} " x 99"	26 ^{1/2} " x 100 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
3037	30 ^{1/4} " x 37"	33 ^{1/4} " x 40"	34 ^{1/2} " x 41 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
3046	30 ^{1/4} " x 46 ^{1/4} "	33 ^{1/4} " x 49 ^{1/4} "	34 ^{1/2} " x 50 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
3069	30 ^{1/4} " x 69 ^{1/2} "	33 ^{1/4} " x 72 ^{1/2} "	34 ^{1/2} " x 73 ^{3/4} "	•	•	•	•	•	•	•	•	•	•	•
3096	30 ^{1/4} " x 96"	33 ^{1/4} " x 99"	34 ^{1/2} " x 100 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
3496	34" x 96"	37" x 99"	38 ^{1/4} " x 100 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
36120	36" x 120"	39" x 123"	40 ^{1/4} " x 124 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
3746	37" x 46 ^{1/4} "	40" x 49 ^{1/4} "	41 ^{1/4} " x 50 ^{1/2} "	•	•	•	•	•	•	•	•	•	•	•
3775	37" x 75"	40" x 78"	41 ^{1/4} " x 79 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
3859	38" x 59"	41" x 62"	42 ^{1/4} " x 63 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
4669	46 ^{1/4} " x 69 ^{1/2} "	49 ^{1/4} " x 72 ^{1/2} "	50 ^{1/2} " x 73 ^{3/4} "	•	•	•	•	•	•	•	•	•	•	•
4689	46 ^{1/4} " x 89 ^{1/2} "	49 ^{1/4} " x 92 ^{1/2} "	50 ^{1/2} " x 93 ^{3/4} "	•	•	•	•	•	•	•	•	•	•	•
4896	48" x 96"	51" x 99"	52 ^{1/4} " x 100 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
48120	48" x 120"	51" x 123"	52 ^{1/4} " x 124 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•
5460	54" x 60"	57" x 63"	58 ^{1/4} " x 64 ^{1/4} "	•	•	•	•	•	•	•	•	•	•	•

Circular Skylights Model ACS

Model Number	Curb Opening (Inside Dimension)
24-ACS	24"
31-ACS	31"
43-ACS	43"
54-ACS	54"
67-ACS	67"
91-ACS	91"

Note: Openable Flat Glass Units:
 Model GAL-SD (Manual Openable) and Model GAL-ESD (Electric Openable)
 are available in the same sizes as Model GAL (fixed unit)

For Additional Information Visit www.bristolite.com

CUSTOM SKYLIGHTS

These photos are a fine example of Bristolite's diverse capabilities and product line. From two-by-two's to monumental lighting systems, our quality is a time proven fact in the skylighting industry.



Colorado Mall Denver, Colorado



Shaw Park Plaza St. Louis, Missouri



Carson Mall Carson, California



Toll Plaza E Denver, Colorado



Children's Hospital of Orange Orange, California



Bowers Museum Santa Ana, California



Bristolite® Skylights

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CAUTION



Bristolite Skylights are designed to withstand normal elements of the weather. They are not designed to withstand human impact or falling objects. These skylights should not be walked upon under any circumstances. The owner or designer should restrict access only to authorized personnel who have been adequately cautioned as to the location of the skylights and informed of the warning above, or said owner should provide protective guardrails or screens around the skylights.

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By calling Sweet's Buyline (1-800-633-1180) or any of our offices you will gain immediate access to your local representative.

Bristolite Skylights is a member of:



American Architectural
Manufacturer's Association

To allow for Bristolite's continuing policy of product improvements, all specifications are subject to change without notice.

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