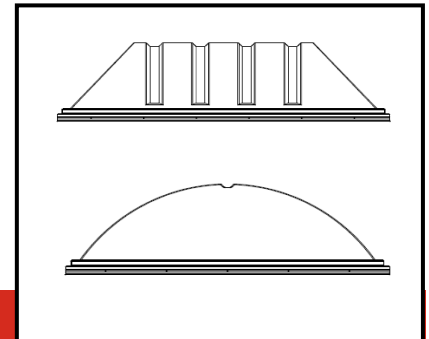


TECHNICAL INFORMATION SHEET

SunWave™ B-Dome Skylight



Item Description

SunWave B-Dome Skylight

Item Number

Custom

Product Information

Description:

SunWave B-Dome Skylights provides glare-free quality daylighting, featuring prismatic lenses which provide 35% more light transmission than non-prismatic skylights with no glare. Available in double glaze configuration only. Skylight frames shall be fabricated from 6061 T6. Frames shall have an integral condensation gutter and a weepage gutter which will drain interior moisture to the outside. Corners shall be mitered and welded. The glazing shall be separated from the skylight frame with a Silicon Seal. Skylights shall be glazed using 100% Impact Modified CC2 Prismatic Acrylic and/or CC1 rated Prismatic Polycarbonate in a B-Dome Skylight.

Notes:

- Acrylic Option shall be glazed using 100% IMA for the top lens and 50% IMA for the bottom lens.
- 700MD units to include Thermal Break.
- 800SC units do not include Insulated Thermal Break.
- All units default to not include Curb Seal Tape or Installation Screws.

Method of Application:

1. Install in accordance with current Firestone specifications, details, and workmanship requirements.
2. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, and grease.

Storage:

- Typically shipped crated on a pallet. Crate may be full coverage or partial. Maximum stack of 30 units.
- Store products in manufacturer's unopened packaging until ready for installation.
- Store materials in a dry area, protected from freezing, staining, contamination or damage.

Clean-Up:

- Frequency of cleaning is determined by site conditions. When cleaning the plastic skylight lenses use only water or water with a mild soap. Use a soft rag to minimize scratching the acrylic.
- Never use ammonia, aromatic or petroleum based products to clean acrylic lenses. This will cause deterioration and cracking of the lens and will void the warranty.
- A pressure washer is acceptable to use as well.

Precautions:

- To provide fall protection, a Safety-Security Guard (SSG) Screen is integrated into all SunWave curbs; see SunWave Roof Curb TIS #1802. Installer shall be responsible for fall protection when SunWave curbs are not used.
- SunWave Daylighting Systems not for use in harsh, corrosive, marine and high-humidity environmental conditions such as marina, greenhouses, petro-chemical facilities or other chemicals where Daylights may be exposed to such conditions.
- Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate lenses.
- Skylights should not be installed in locations with operating temperatures in excess of -75 °F (-59 °C) or 180 °F (82 °C).

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SunWave™ B-Dome Skylight

LEED® Information:

Pre-Consumer Recycled Content: 50%
Post-Consumer Recycled Content: 12.50%
Manufacturing Location: Conyers, GA; Sacramento, CA

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

Compliance Information:

OSHA Regulation Section 1926.502(i)(2) applies to skylight covers being placed in the openings in a roof *at the time of installation*. This regulation states “All [other] covers shall be capable of supporting, without failure, at least twice the weight of employees, equipment, and materials that may be imposed on the cover at any one time.” An independent third party testing laboratory performed a 400 pound drop test on a SunWave unit which resulted in no damage after impact and five minutes of continued exposure. Therefore, when properly installed to a building architecturally designed for, and supportive of skylights, SunWave Daylights are considered compliant with this OSHA requirement.

NOTE: No plastic skylight of any kind is immune to degradation over time and any skylight would be unlikely to continue to meet the OSHA 1926.502 requirements after having been exposed to 10 to 20 years of UV radiation. It is imperative building owners, contractors, designers, and architects comply with OSHA section 1910.23(a)(4) and install an appropriate guard or screen to prevent injuries to third parties.

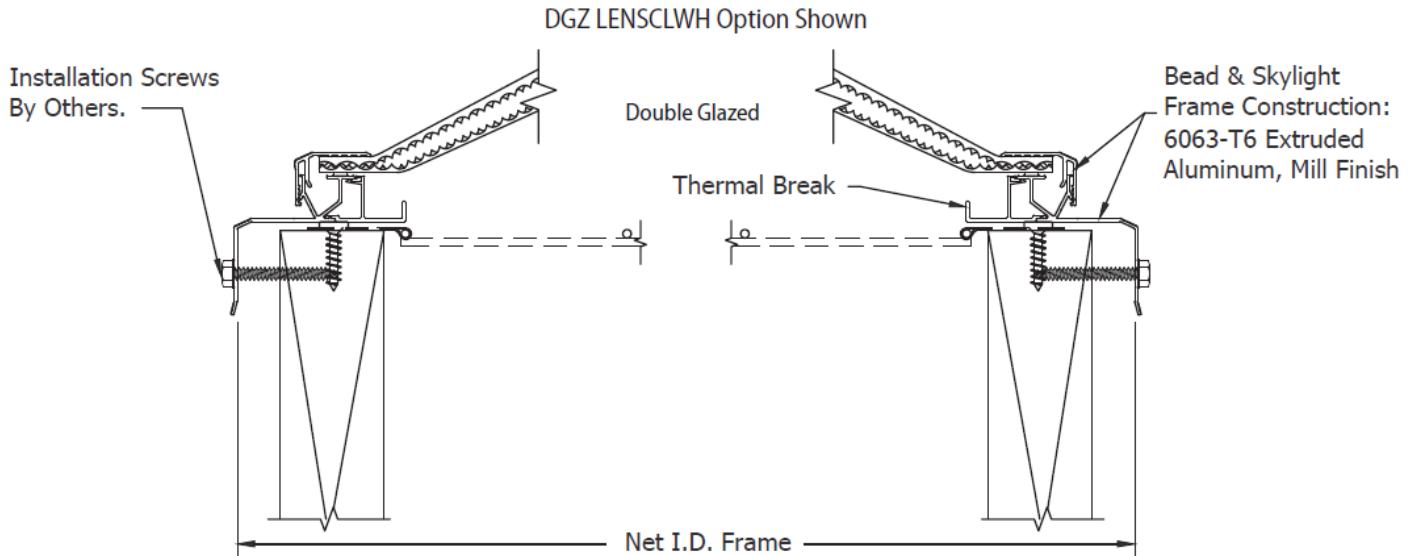
OSHA Section 1910.23(a)(4) establishes the requirements for all skylight roof openings. This regulation states, “Every skylight floor opening and hole shall be guarded by a standard skylight screen or a fixed standard railing on all exposed sides.” In order to ensure that our products comply with this OSHA regulation, all Firestone SunWave Curbs include standard integrated fall protection screens. These screens come factory-installed in our curbs, ensuring that all of our curb installations meet the regulation. Therefore, when properly installed to a building architecturally designed for, and supportive of skylights, SunWave Daylights are considered compliant with this OSHA requirement.

However, please note that Firestone Building Products Company, LLC is not responsible for the installation or architectural designs required for proper use of Firestone SunWave products. Use of a certified installer and consultation with an architect before using Firestone SunWave products is advised.

TECHNICAL INFORMATION SHEET

SunWave™ B-Dome Skylight

Design Specification:



Design Specification Notes:

- Skylights shall be fabricated from 6061 T6. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The glazing shall be separated from the skylight frame with a silicon seal.
- ProDome acrylic domes shall be glazed using 100% impact modification for the top lens and 50% impact modification for the bottom lens.
- ProDome units default to include Insulated Thermal Break, Curb Seal Tape, Weather Sweep, and screws.

Typical Properties				
	Dome Material			
	Double Glazed		Double Glazed	
Dome Material	Acrylic	Acrylic	Polycarbonate	Polycarbonate
Thickness	.165"	.120"	.165"	.125"
Impact Modification (%)	100%	50%	N/A	N/A
Hail Rated	N/A		N/A	
SHGC (Solar Heat Gain Coefficient)	.48		.48	
U-Value	.72		.72	
VLT (Visible Light Transmittance)	.68		.64	
Impact Rating	Class 1		Class 4	

TECHNICAL INFORMATION SHEET

SunWave™ B-Dome Skylight

Ordering Information:					
ID Frame Call-Out			Dome Material		
Model	Width	Length	Double Glazed Acrylic	Double Glazed Polycarbonate	
4040	51.25"	51.25"	W56SUNDPA44	W56SUNDPP44	
4070	51.25"	87.25"	W56SUNDPA47	W56SUNDPP47	
4080	52.25"	100.25"	W56SUNDPA48	W56SUNDPP48	
5050	63.25"	63.25"	W56SUNDPA55	W56SUNDPP55	
5060	63.625"	75.625"	W56SUNDPA56	W56SUNDPP56	

Note: Custom sizes are not available.

Please contact Quality Building Services Technical Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.