

It's our *Signature*

Signature Series™ 900MD
High Performance Prismatic Skylight



VSH RATED
VERY SEVERE HAIL

Patented Prismatic Polycarbonate Performance

- Highest VLT with 100% Diffusion in the Industry
- Factory Mutual (FM®) 4431 Approved.
- FM® 4431 Very Severe Hail (VSH) Approved
- FGIA Certified / NFRC Listed
- Redesigned frame with added strength and support
- Integrated condensation and weep gutters

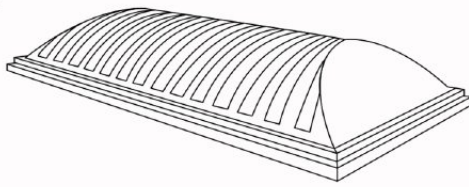


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WWW.SUNOPTICS.COM



The Originator and Inventor of
the Modern Prismatic Skylight *Since* **1978**



Signature Series™ 900MD Fixed Industrial Skylight



SMD | Frame Model 900MD

PRODUCT FEATURES

- Highest VLT with 100% diffusion in the Industry
- FM® 4431 with VSH Hail tested and approved
- FGIA Certified / NFRC Listed
- Fully encapsulated closed cell PE thermal break
- Integrated condensation and weep gutters
- Redesigned frame for rigidity and support

PRODUCT PROFILE

CLOSED CELL POLYETHYLENE FOAM SEAL / THERMAL BREAK

Details Not To Scale

INSTALLATION SCREWS:
#12 X 1.5" HWH SS
W/ NEO WASHER
(INCLUDED A/R)

DOUBLE GLAZED LENS:
1: .118" CLEAR SMOOTH POLYCARBONATE
2: .125" WHITE PRISMATIC POLYCARBONATE

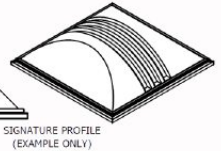
CAULKED STRUCTURAL
SEALANT

BEAD & SKYLIGHT FRAME CONSTRUCTION:
6000 SERIES EXTRUDED ALUMINUM
MILL FINISH

(NET I.D. CLEAR FRAME)

NOTE: Finished curb should be 1" less than Net I.D. Clear Frame
or 1/2" clearance on all sides between frame and finished flashing

SKYLIGHT CURBS SOLD AND SUPPLIED SEPARATELY



SPECIFICATIONS

Skylights shall be Sunoptics® Signature Series™ Model 900MD (curb mounted) as manufactured by Sunoptics, Inc. Skylights shall be glazed ready for installation.

Skylight frames shall be fabricated from 6000 series extruded aluminum with mill finish. Frames shall have integral condensation and weepage gutters which drain any collected moisture to the exterior of the frame. Corners shall be mitered and fully welded. TPV frame encapsulating thermal break and closed cell foam curb seal gasket installed to the frame. Polycarbonate lenses shall be glazed into the frame using a structural silicone seal.

Skylights shall be glazed using Sunoptics ClearArmour® polycarbonate lenses in a Signature Series™ patented dome configuration. ClearArmour® polycarbonate lenses are CC1 rated and Class A flame rated. Skylights are FGIA certified and tested to AAMA / WDMA / CSA 101 / 1.5.2 / A440 to comply with section 2405.5 of the International Building Code. NFRC Listed. FM® 4431 Approved.

Certain airborne contaminants, such as machine cutting oils that become atomized, can diminish the integrity of polycarbonate lenses. Contact Sunoptics, Inc. regarding any concerns about chemical compatibility. Polycarbonate skylights are not for use in harsh, corrosive, marine and high humidity environmental conditions such as a marina, greenhouses, petro-chemical facilities or other chemicals where the polycarbonate skylights may be exposed to such conditions.

AVAILABLE SIZES

SIZE	ID Frame Call Out	ID Frame Width	ID Frame Length
2080	27-1/4" x 99-1/4"	W27.250 Width 27.250 inches	L99.250 Length 99.250 inches
20100	27-1/4" x 123-1/4"	W27.250 Width 27.250 inches	L123.250 Length 123.250 inches
4040	51-1/4" x 51-1/4"	W51.250 Width 51.250 inches	L51.250 Length 51.250 inches
4060	51-1/4" x 75-1/4"	W51.250 Width 51.250 inches	L75.250 Length 75.250 inches
4070	51-1/4" x 84-1/4"	W51.250 Width 51.250 inches	L84.250 Length 84.250 inches
4080	52-1/4" x 100-1/4"	W52.250 Width 52.250 inches	L100.250 Length 100.250 inches
5050	63-1/4" x 63-1/4"	W63.250 Width 63.250 inches	L63.250 Length 63.250 inches
5060	63-5/8" x 75-5/8"	W63.625 Width 63.625 inches	L75.625 Length 75.625 inches
5080	63-1/4" x 99-1/4"	W63.250 Width 63.250 inches	L99.250 Length 99.250 inches
5558	67-3/4" x 70-3/4"	W67.750 Width 67.750 inches	L70.750 Length 70.750 inches

ATTRIBUTES

Glazing	Lens Material	Frame Type	Lens Color
DGZ Double Glazed	CC1 Polycarbonate	900MD Standard Frame	C2W1 Clear/White
SGZ Single Glazed			W2 White
			W1 White

NOTE: Products Covered under U.S.P.T.O. Utility Patent Number US 7,395,636

Buy American: This product is manufactured and assembled in the U.S.A. and meets the "Buy American" government procurement requirements under FAR, DFARS and DOT. For more information on our products compliance, please contact Sunoptics Customer Care at service@sunoptics.com.

Warranty: 10-year and 15-year limited warranty available. Complete warranty terms and conditions located on our website at www.sunoptics.com.

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.



NOTE: Sunoptics double glazed polycarbonate prismatic skylights default to include a frame encapsulating closed cell polyethylene foam thermal break and foam curb seal gasket. Installation screws are also provided. Single glazed skylights do not come standard with these features.

Skylight Hail Class Rating

Material Type	Lens Material	Resistance Rating	Hail Size
Polycarbonate (C2) (W2)	CC1	FM® 4431 VSH	>2"
Polycarbonate (C2/W1)	CC1	*Haag Test (n/a)	4"

*Testing performed in December 2024 at HAAG Global, A Salas O'Brien Company, was completed documenting the Sunoptics Signature Series Polycarbonate Prismatic Skylight with C2/W1 standard polycarbonate glazing receiving multiple lab created and tested 4" ice ball strikes, at terminal velocity without breakage. Consult your Sunoptics representative for more details.

Skylight Thermal Performance

Type	SHGC	U-Value	VLT
Double Glazed	.57	.72	.67
Single Glazed	.68	n/a	.74

Skylight Performance Grade Ratings

Product	Design Pressure Rating
4080 - C2W1 (CC1)	65 psf
5060 - C2W1 (CC1)	40 psf

Cleaning Polycarbonate Lenses: Frequency of cleaning is determined by site conditions. When cleaning polycarbonate lenses, use only water or water with mild soap. Use a soft rag to minimize scratching. Low pressure power washing is acceptable. Never use ammonia, aromatic or petroleum based cleaning products to clean polycarbonate lenses. Use of these types of cleaning products will cause deterioration of the lenses which will void warranty.