



Engineered Daylighting

The name *ACRALIGHT SOLAR* represents more than 3 decades of design and manufacturing skills, and the dedication to take innovative daylighting solutions to a higher, more energy-efficient level. With unmatched expertise, and a solid commitment to quality and safety, *ACRALIGHT SOLAR* is the leading source for daylight harvesting solutions designed to maximize energy savings. *ACRALIGHT SOLAR* features cost-effective nationwide coverage made in the USA to better supply and service our customers.

Standard Skylights

Industrial Skylights

Smoke Vents

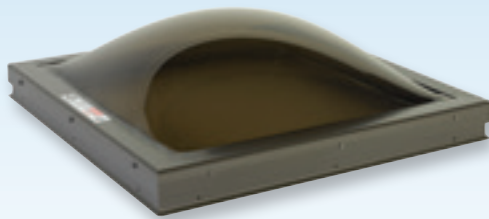
Safety/Security Guards

Roof Hatches

Standard Skylights

Standard Dome Skylight

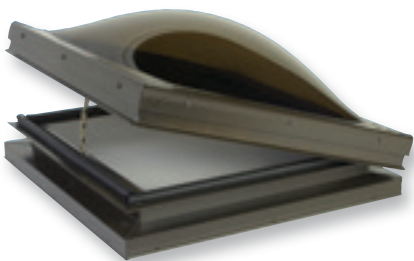
Curb Mounted or Self-flashing



Acralight Solar's aluminum curb mounted or self-flashing skylight provides unsurpassed quality and performance for residential, commercial and industrial applications. Glazing options include clear, white, grey or bronze acrylic, white SkyTough UL 972 Listed glazing or impact modified prismatic acrylic.

Operable Dome Skylight

Curb Mounted or Self-flashing



Acralight Solar's operable skylight available as a curb mounted or self-flashing unit provides all of the features of a standard fixed skylight with a lifting mechanism that opens the dome portion for ventilation and a standard insect screen. Available in manual and electric operation for residential, commercial and industrial applications.

Fixed: MODEL A-S-CM (or SF) – Operable: MODEL A-OP-CM (or SF)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1414	14 1/4" x 14 1/4"	4848 *	48" x 48"
1919	19" x 19"	5555	55" x 55"
2222	22 1/4" x 22 1/4"	7070	70 1/4" x 70 1/4"
3030	30 1/4" x 30 1/4"	7575	75" x 75"
3737	37" x 37"	8484	84" x 84"
4242	42" x 42"	9292	92 1/2" x 92 1/2"
4646	46 1/4" x 46 1/4"		

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1422	14 1/4" x 22 1/4"	3496	34" x 96"
1446	14 1/4" x 46 1/4"	3746	37" x 46 1/4"
2230	22 1/4" x 30 1/4"	3775	37" x 75"
2237	22 1/4" x 37"	3859	38" x 59"
2246	22 1/4" x 46 1/4"	4669	46 1/4" x 69 1/2"
2272	22 1/4" x 72"	4689	46 1/4" x 89 1/2"
2296	22 1/4" x 96"	4896 *	48" x 96"
3037	30 1/4" x 37"	5460	54" x 60"
3046	30 1/4" x 46 1/4"	6072 *	60" x 72"
3069	30 1/4" x 69 1/2"	6096	60" x 96"
3096	30 1/4" x 96"		

*Available with SkyArc dome design and Sky-Tough white glazing (ST).
For other sizes please consult the factory.

Fixed Model No. Example: 2246 A-S-CM-AW/AC-BP

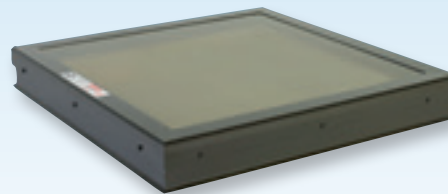
2246 Fixed Aluminum frame Skylight-Curb Mount-Acrylic White over Acrylic Clear-Bronze Painted finish.

Operable Model No. Example: 2246-A-OP-CM-AW/AC-BP

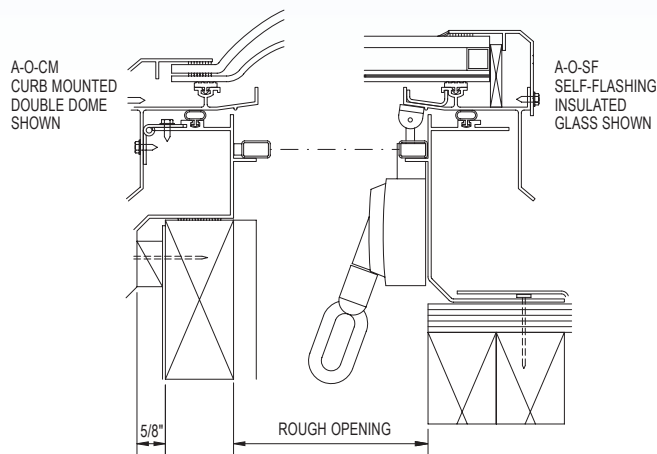
2246 Aluminum frame Operable skylight-Curb Mount-Acrylic White over Acrylic Clear-Bronze Painted finish.

Glass Skylight

Curb Mounted or Self-flashing



Acralight Solar's flat glass Skylight is available as a fixed or operable unit, curb mounted or self-flashing options available. The quality framing system is designed to be glazed with all types of glass including energy efficient glazing options. For residential, commercial and industrial applications.



MODEL A-G-CM (or SF) SQUARE

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1414	14 1/4" x 14 1/4"	3030	30 1/4" x 30 1/4"
1919	19" x 19"	3737	37" x 37"
2222	22 1/4" x 22 1/4"		

MODEL A-G-CM (or SF) RECTANGULAR

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1422	14 1/4" x 22 1/4"	2272	22 1/4" x 72"
1446	14 1/4" x 46 1/4"	2296	22 1/4" x 96"
2230	22 1/4" x 30 1/4"	3037	30 1/4" x 37"
2237	22 1/4" x 37"	3046	30 1/4" x 46 1/4"
2246	22 1/4" x 46 1/4"		

Custom sizes with multiple glass lites available (please contact factory for details).
All sizes available with energy efficient low E glass in clear or tinted colors.
Note: Minimum 2:12 pitch required.

Model No. Example: 2246 A-G-CM-GC/GC-BP

(dual glazed insulated glass specified)

2246 Aluminum frame Glass-Curb Mount-Glass Clear/over Glass Clear-Bronze Painted finish.

Model No. Example: Operable 2246 A-OP-CM-GC/GC-BP

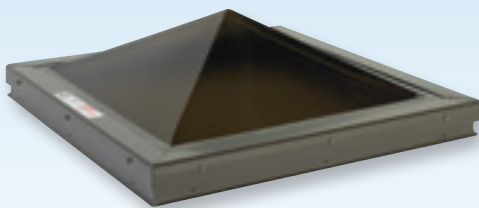
(dual glazed insulated glass specified)

2246 Aluminum frame Operable Glass-Curb Mount-Glass Clear/over Glass Clear-Bronze Painted finish.

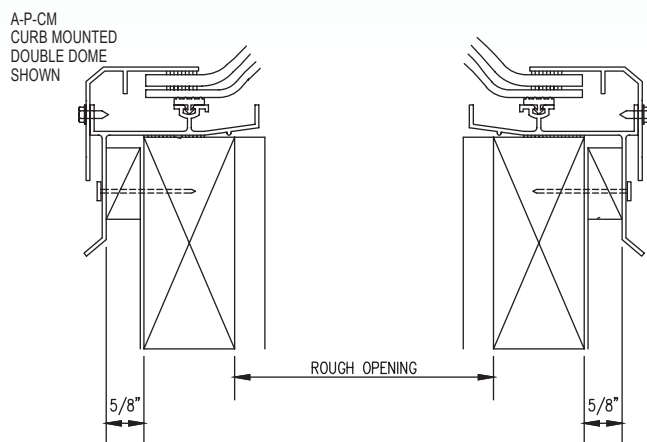
Standard Acrylic Skylights

Pyramid/Hipped Ridge Skylight

Curb Mounted or Self-flashing



Acralight Solar's aluminum pyramid or hipped ridge skylight provides all of the features of a standard fixed skylight with a square pyramid or rectangular hipped ridge shape. Available with single or double glazing and as a curb mounted, or 4", 9" or 12" high self-flashing model with or without insulation.



MODEL A-P-CM (or SF) SQUARE

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1414	14 1/4" x 14 1/4"	4848	48" x 48"
1919	19" x 19"	5555	55" x 55"
2222	22 1/4" x 22 1/4"	7070	70 1/4" x 70 1/4"
3030	30 1/4" x 30 1/4"	7575	75" x 75"
3737	37" x 37"	8484	84" x 84"
4242	42" x 42"	9292	92 1/2" x 92 1/2"
4646	46 1/4" x 46 1/4"		

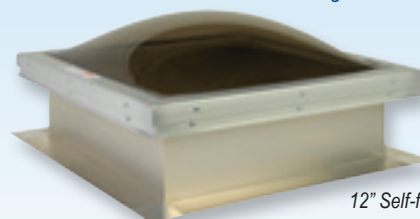
MODEL A-HR-CM (or SF) RECTANGULAR (HIPPED RIDGE)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1422	14 1/4" x 22 1/4"	3496	34" x 96"
1446	14 1/4" x 46 1/4"	3746	37" x 46 1/4"
2230	22 1/4" x 30 1/4"	3775	37" x 75"
2237	22 1/4" x 37"	3859	38" x 59"
2246	22 1/4" x 46 1/4"	4669	46 1/4" x 69 1/2"
2272	22 1/4" x 72"	4689	46 1/4" x 89 1/2"
2296	22 1/4" x 96"	4896	48" x 96"
3037	30 1/4" x 37"	5460	54" x 60"
3046	30 1/4" x 46 1/4"	6072	60" x 72"
3069	30 1/4" x 69 1/2"	6096	60" x 96"

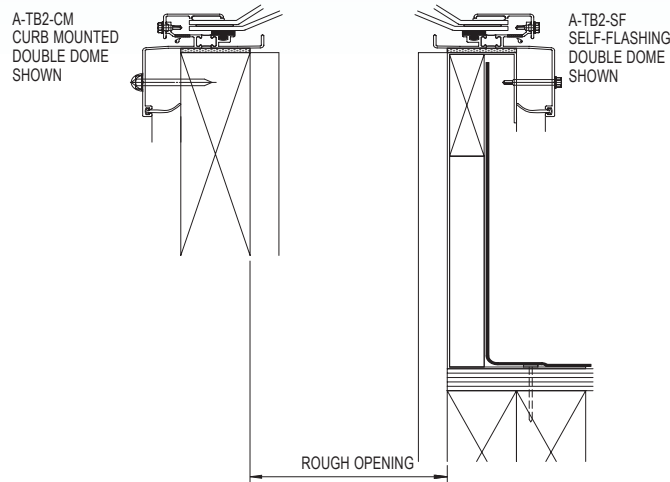
Model No. Example: 4646 A-P (or HR) CM-AW / AC-BP
4646 Aluminum frame Pyramid (or Hipped Ridge) Curb Mount, Acrylic White over Acrylic Clear Bronze Painted finish.

Thermally Broken Skylight

Curb Mounted or Self-flashing



Acralight Solar's aluminum thermally broken curb mounted or self-flashing skylight frame provides all of the features of a standard fixed skylight with the added feature of a thermal break to reduce condensation and improve energy efficiency. Self-flashing options include 4", 9" or 12" high insulated single or double wall curbs.



MODEL A-TB2-CM (or SF) SQUARE

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1414	14 1/4" x 14 1/4"	4848	48" x 48"
1919	19" x 19"	5555	55" x 55"
2222	22 1/4" x 22 1/4"	7070	70 1/4" x 70 1/4"
3030	30 1/4" x 30 1/4"	7575	75" x 75"
3737	37" x 37"	8484	84" x 84"
4242	42" x 42"	9292	92 1/2" x 92 1/2"
4646	46 1/4" x 46 1/4"		

MODEL A-TB2-CM (or SF) RECTANGULAR

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1422	14 1/4" x 22 1/4"	3496	34" x 96"
1446	14 1/4" x 46 1/4"	3746	37" x 46 1/4"
2230	22 1/4" x 30 1/4"	3775	37" x 75"
2237	22 1/4" x 37"	3859	38" x 59"
2246	22 1/4" x 46 1/4"	4669	46 1/4" x 69 1/2"
2272	22 1/4" x 72"	4689	46 1/4" x 89 1/2"
2296	22 1/4" x 96"	4896	48" x 96"
3037	30 1/4" x 37"	5460	54" x 60"
3046	30 1/4" x 46 1/4"	6072	60" x 72"
3069	30 1/4" x 69 1/2"	6096	60" x 96"
3096	30 1/4" x 96"		

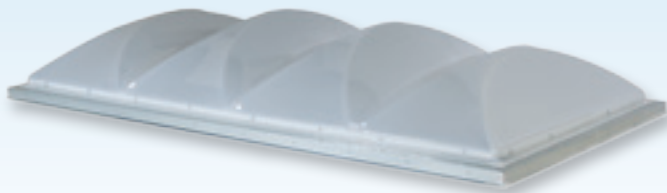
Note: Finishes available for Thermally broken skylights are mill finish, clear or bronze anodized. Units are available glazed with glass. Contact Acralight Solar for available sizes.

Model No. Example: 4848 A-TB2-CM-AW/AC-BA
4848 Aluminum frame Thermally Broken Curb Mount Acrylic White, over Acrylic Clear Bronze Anodized finish.

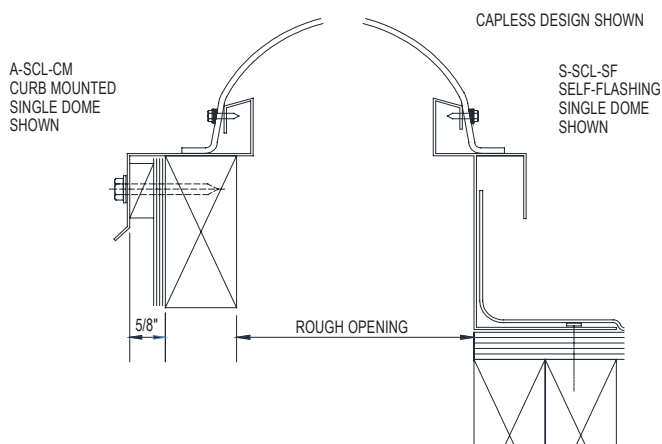
SkyArc Skylights

SkyArc Skylight

Curb Mounted or Self-flashing



Acralight Solar's innovative galvanized steel or aluminum curb mounted or self-flashing skylight features the Acralight SkyArc dome design which provides more light gathering surface area for superior light distribution combined with SkyTough glazing for exceptional impact strength. For commercial and industrial applications.



MODEL S (Steel) or A (Aluminum) -SCL-CM (or SF) SQUARE

MODEL	ROUGH OPENING
4646	46 1/4" x 46 1/4"
4848	48" x 48"
6060	60" x 60"

MODEL S (Steel) or A (Aluminum) -SCL-CM (or SF) RECTANGULAR

MODEL	ROUGH OPENING
4896	48" x 96"
6072	60" x 72"

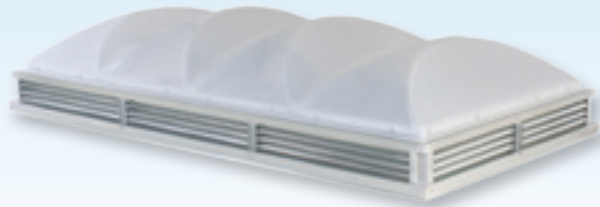
SkyArc Design Options

- Capless dome shown on above details
- Capped dome required in colder climate zones
- Prismatic or Smooth non-prismatic domes
- Meets UL 972 Impact Test
- 20% more light gathering surface area

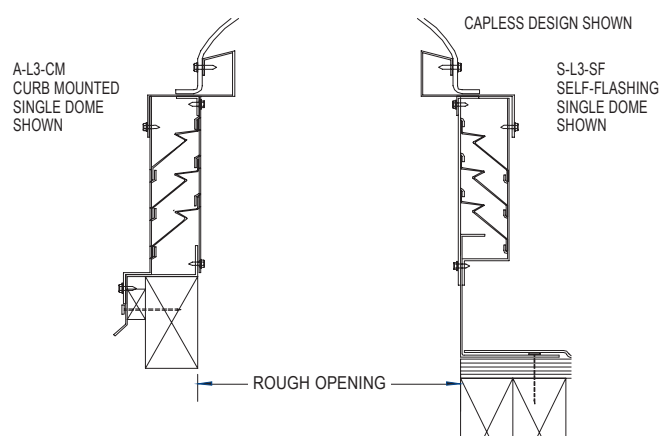
Model No. Example: 4896 A-SCL-CM-ST-MF
4896 Aluminum frame Capless-Skylight-Curb Mount-Sky-Tough-Mill Finish.

Louvered Skylight

Curb Mounted or Self-flashing



Acralight Solar's galvanized steel or aluminum louvered skylight features rain-resistant louver blades for ventilation. Available as a curb mounted or self-flashing unit with a standard dome or SkyArc with SkyTough glazing (see matrix for SkyArc sizes available) which provides superior light and exceptional impact strength.



MODEL S (Steel) or A (Aluminum) -L3-CM (or SF) SQUARE

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1414	14 1/4" x 14 1/4"	4848 *	48" x 48"
1919	19" x 19"	5555	55" x 55"
2222	22 1/4" x 22 1/4"	7070	70 1/4" x 70 1/4"
3030	30 1/4" x 30 1/4"	7575	75" x 75"
3737	37" x 37"	8484	84" x 84"
4242	42" x 42"	9292	92 1/2" x 92 1/2"
4646 *	46 1/4" x 46 1/4"		

MODEL S (Steel) or A (Aluminum) -L3-CM (or SF) RECTANGULAR

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
1422	14 1/4" x 22 1/4"	3496	34" x 96"
1446	14 1/4" x 46 1/4"	3746	37" x 46 1/4"
2230	22 1/4" x 30 1/4"	3775	37" x 75"
2237	22 1/4" x 37"	3859	38" x 59"
2246	22 1/4" x 46 1/4"	4669	46 1/4" x 69 1/2"
2272	22 1/4" x 72"	4689	46 1/4" x 89 1/2"
2296	22 1/4" x 96"	4896 *	48" x 96"
3037	30 1/4" x 37"	5460	54" x 60"
3046	30 1/4" x 46 1/4"	6072 *	60" x 72"
3069	30 1/4" x 69 1/2"	6096	60" x 96"
3096	30 1/4" x 96"		

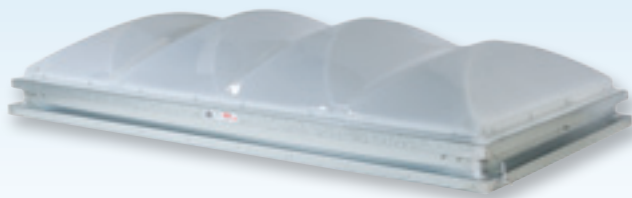
* These models include a SkyArc capless dome design and SkyTough white glazing (ST).
Note: Other sizes shown have a capped design.

Model No. Example: 4896 A-S-L3-CM-ST-MF
4896 Aluminum frame-Skylight-Louvered Curb Mount-Sky-Tough-Mill Finish.
Add **RD** for Rain Defenders, **IS** for Insect Screens, **BS** for Bird Screens,
DS for Dust Screens

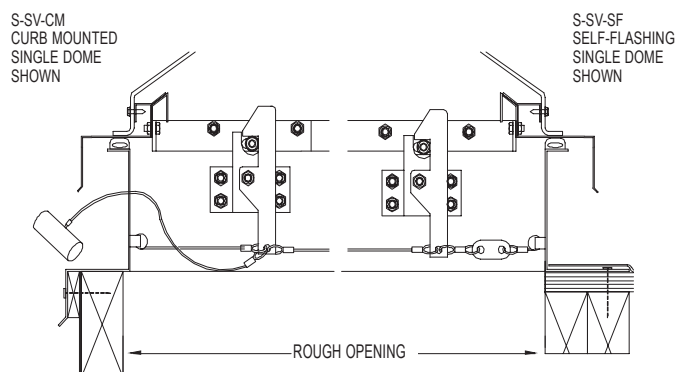
Smoke Vents with SkyArc

Smoke Vent with SkyArc

Curb Mounted or Self-flashing or Louvered Base



Acralight Solar's Non-Listed galvanized steel or aluminum smoke and heat vent features SkyArc capless dome design formed with Sky-Tough glazing for impact resistance. Units are equipped with a UL Listed and FM Approved fusible link and are available with an inside and/or outside manual release handle. Available as curb mounted, self-flashing, or louvered base models.



MODEL SV-CM (Non-louvered) or SV-L3-CM (Louvered)

MODEL	ROUGH OPENING	FREE AREA (Louvered model)
4848	48" x 48"	6 SF
3775	37" x 75"	7 SF
4669	46 1/4" x 69 1/2"	7 SF
4689	46 1/4" x 89 1/2"	8 SF
4896	48" x 96"	9 SF*

* Model 4896 available with 12 SF of Free Air - use SV-L4 designation.

Model SV-CM (Curb mounted) or SF (Self-flashing) Non-louvered

Model SV-L3-CM (Curb mounted) or SF (Self-flashing) Louvered

Model No. Example: 4896-S-SV-CM-ST-MF-OR
48" x 96" galvanized Steel frame Smoke Vent Curb Mounted SkyTough glazing Mill Finish Outside Manual Release

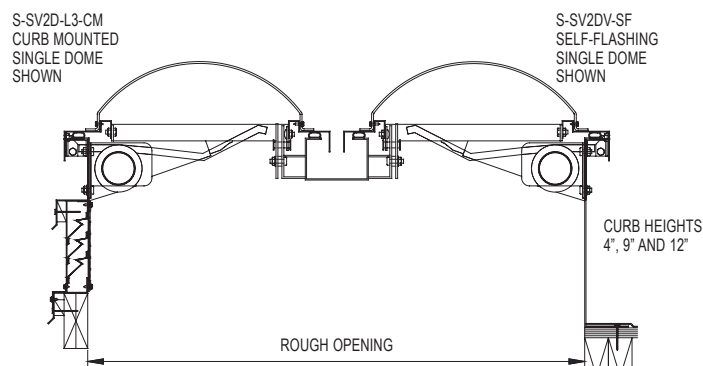
Model No. Example: 4896-S-SV-L3-CM-ST-MF-OR
48" x 96" galvanized Steel frame Smoke Vent Louvered base Curb Mounted SkyTough glazing Mill Finish Outside Manual Release

Dual-Lid 10PSF Smoke Vent

Curb Mounted or Self-flashing or Louvered Base



Acralight Solar's galvanized steel or aluminum smoke and heat vent features a SkyArc capless dome design formed with SkyTough glazing for impact resistance. Units are equipped with a UL Listed and FM Approved fusible link, tested to ICC 15-7 and available with an inside and/or outside manual release. Available as a curb mount, self-flashing, louvered base or metal lid models.



MODEL SV2D-CM (Non-louvered) or SV2D-L3-CM (Louvered)

4848-SV2D-L3	48" x 48"	6 SF
4848-SV2D	48" x 48"	

* Model 4896 available with 12 SF of Free Air - use SV-L4 designation.

Note: All models available in Curb Mounted or Self-flashing

Note: Add IR to Model for an inside release or OR for an outside release

Model SV2D-CM (Curb Mounted) or SF (Self-flashing) Non-Louvered

Model SV2D-L3-CM (Curb Mounted) or SF (Self-flashing) Louvered

Model No. Example: 4896-S-SV2D-CM-ST-MF-OR
48" x 96" galvanized Steel frame Smoke Vent Dual lid Curb Mounted SkyTough glazing Mill Finish Outside Manual Release

Model No. Example: 4896-S-SV2D-L3-CM-ST-MF-OR
48" x 96" galvanized Steel frame Smoke Vent Dual lid Louvered base Curb Mounted SkyTough glazing Mill Finish Outside Manual Release

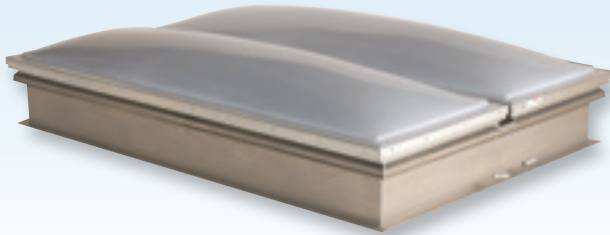


Listed Smoke Vents



Listed Double Lid Smoke Vent

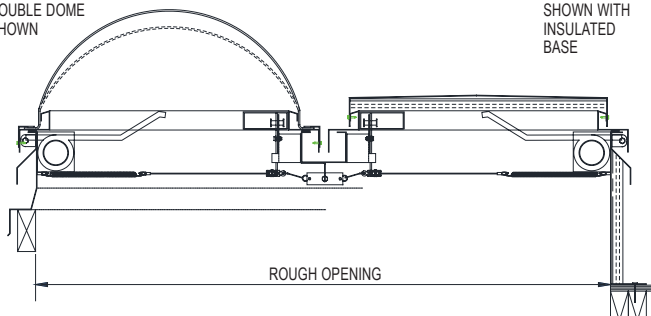
Curb Mounted or Self-flashing or UL Listed Louvered Base



Acralight Solar's UL Listed mechanical smoke vent is tested to the requirements of the UL 793 Standard. Options include curb mount or self-flashing, domed lids for natural daylighting, insulated metal lids, and louvered bases for natural ventilation. Galvanized steel or aluminum construction, SkyArc domes in SkyTough UL 972 Listed glazing, with smooth or prismatic lenses. Listed units from 10 psf to 30 psf live loads. Features a UL/FM fusible link, outside and/or inside manual release.

A-ULSV2D-CM
CURB MOUNTED
DOUBLE DOME
SHOWN

S-ULSV2D-SF
METAL LID
SHOWN WITH
INSULATED
BASE



ALUMINUM

GALVANIZED STEEL

MODEL A-ULSV2D-CM (or SF)

MODEL S-ULSV2D-CM (or SF)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
4848	48" x 48"	4848	48" x 48"
6060	60" x 60"	6060	60" x 60"

MODEL A-ULSV2D-CM (or SF)

MODEL ULSV2D-CM (or SF)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
4872	48" x 72"	4896	48" x 96"
4896	48" x 96"	6072	60" x 72"
6072	60" x 72"	6096	60" x 96"
6096	60" x 96"		

Note: Add **IR** to Model for an Inside manual release
Add **OR** to Model for an Outside manual release
Add **L3** to Model for Louvered base

Optional Electrothermal Links available for electronic operation of smoke vent.

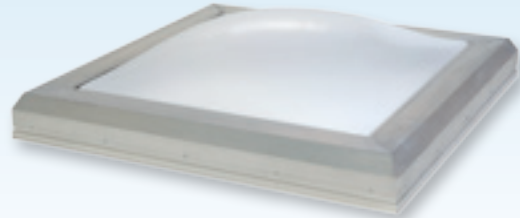
Model No. Example: 4896 S-ULSV2D-CM-ST-MF-OR

4896 Galvanized Steel frame-UL Listed Smoke Vent-Dual Lid-Curb Mount-Sky-Tough-Mill Finish Outside Release



Drop-out Heat and Smoke Vent

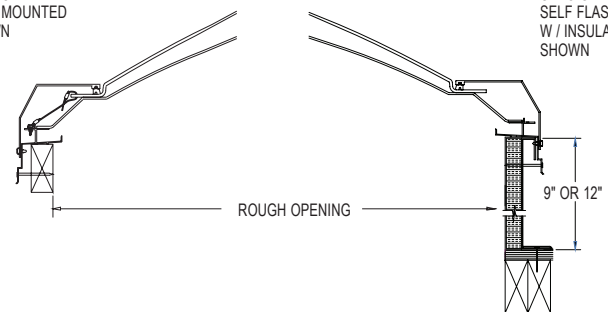
Curb Mounted or Self-flashing



Acralight Solar offers a wide selection of UL Listed drop-out smoke and heat vents, tested to the rigorous requirements of the UL 793 Standard. Features an aluminum frame and standard smooth domes or prismatic domes, with options for either curb mounted or self-flashing. For optimum safety, add an optional OSHA compliant fall-protection screen Model FPS.

ULDO-CM
CURB MOUNTED
SHOWN

ULDO-SF
SELF FLASHING
W / INSULATION
SHOWN



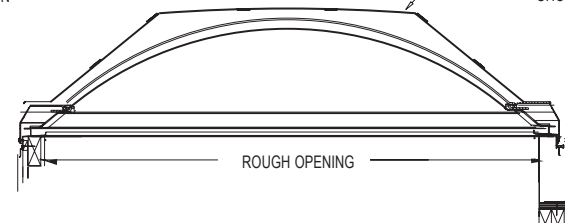
MODEL ULDO

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
5555	48" x 48"	5596	48" x 90"
5556	48" x 60"	55102	48" x 96"
5578	48" x 72"		

ULDO-CM
CURB MOUNTED
SHOWN

OPTIONAL ACRA-GUARD
FALL PROTECTION SCREEN (FPS)

ULDO-SF
SELF-FLASHING
SHOWN

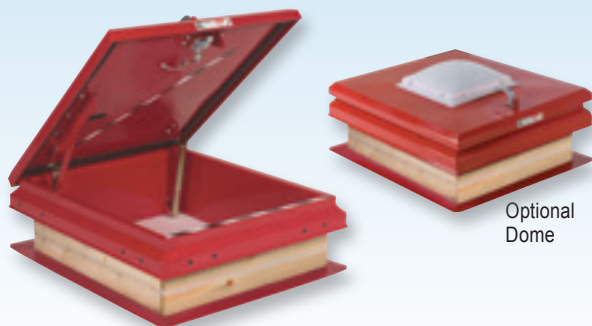


Model No. Example: 4896 A-ULDO-CM-ST/AC-MF-FPS

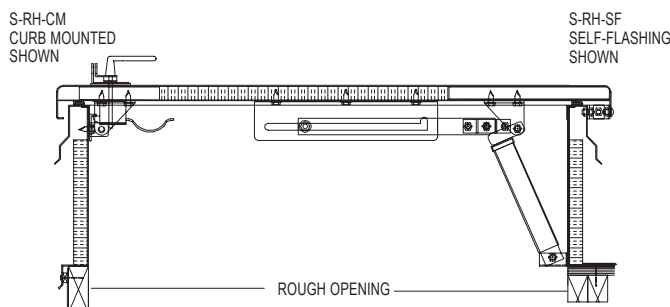
4896 Aluminum frame-UL Listed Drop-Out Smoke Vent-Curb Mount-Sky-Tough-Acrylic Clear Mill Finish Fall Protection Screen

Roof Hatches

Roof Access Hatch



Acralight Solar's galvanized steel or aluminum roof access hatch is designed for safety and reliability. Standard model provides an extended cap flashing, pre-punched to receive a safety railing system or AcraGrab safety feature. Unique cross-broken lid design to eliminate ponding water. Standard 12" high self-flashing curb with wood nailer and a Federal Safety Red high gloss finish. Add an optional SkyTough dome in the lid for natural daylighting in the ladder well.



MODEL S-RH GALVANIZED (STEEL) or A-RH (ALUMINUM)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
3030	30" x 30"	3636	36" x 36"
3036	30" x 36"	4848	48" x 48"
3054	30" x 54"		
3096	30" x 96"		



Railing System

OSHA Compliant roof hatch railing systems to protect the opening when the hatch is in the open position. Standard and custom sizes available.

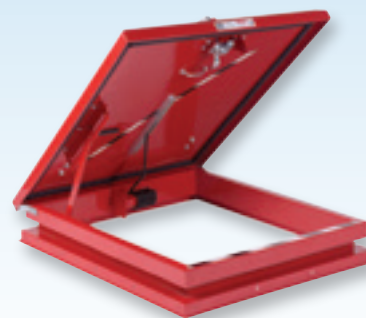


AcraGrab

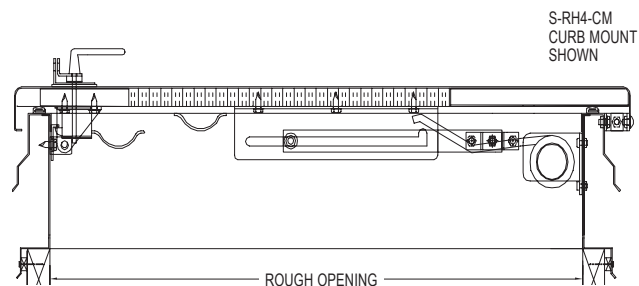
Provides a safer means of exiting or entering the roof hatch with a secure, permanently mounted 30" high handle

Model No. Example: 3036-S-RH	30" x 36" Galvanized Steel-Roof Hatch
Model No. Example: 3036-A-RHD	30" x 36" Aluminum-Roof-Hatch-Domed lid

Roof Access Retro-Hatch™



Acralight Solar's Retro-Hatch provides most of the features of a standard Acralight Solar's roof access hatch with a 4" high curb mounted base designed to mount on existing curbs. This design eliminates the expense of removing an existing roof hatch base when performing roof hatch repairs. Standard model provides an extended cap flashing, pre-punched, to receive a safety railing system or AcraGrab safety feature.



MODEL S-RH4-CM GALVANIZED (STEEL) or A-RH4-CM (ALUMINUM)

MODEL	ROUGH OPENING	MODEL	ROUGH OPENING
3030	30" x 30"	3636	36" x 36"
3036	30" x 36"	4848	48" x 48"
3054	30" x 54"		
3096	30" x 96"		

OPTIONS AVAILABLE: Dome in lid

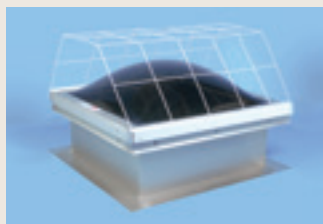
Standard finish is Federal Safety Red. For primer only and other finishes please contact Acralight Solar Skylights.

Curb mounted units and custom sizes are available. Combination units with steel curbs and aluminum lids are available. Please contact Acralight Solar Skylights.

Model No. Example: 3036-S-RH4-CM
30" x 36" Galvanized Steel-Roof-Hatch with 4" high Curb-Mounted base

Model No. Example: 3036-A-RH4-CM
30" x 36" Aluminum-Roof-Hatch with 4" high Curb-Mounted base

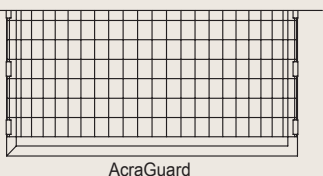
Safety & Security



Acralight Solar's AcraGuard™ skylight fall-protection screens meet the intent of the OSHA fall-protection standard and are designed for installation on new skylights or to retrofit onto all existing skylights with our engineered mounting system. Galvanized steel construction standard with an optional white powder coat finish. Standard and custom sizes are available.

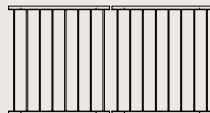
Acralight Solar's steel burglar/safety bars provide added security and safety for skylight and smoke vent openings. Standard ½" diameter solid steel bars welded to a steel mounting angle for installation on curb-mounted or self-flashing conditions. A standard white powder coat finish is provided to minimize the effect on the light transmittance. Standard and custom sizes are available.

SKYLIGHT FALL PROTECTION SCREENS

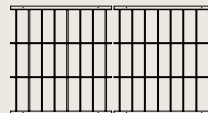


Model No. Example: 4896 FPS
4896 AcraGuard Galvanized Steel Fall-Protection Screen

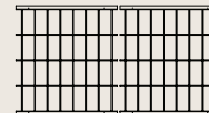
STEEL BURGLAR/SECURITY BARS*



BB-11



BB-22



BB-33

Model No. Example: 4896 BB-WP (Select BB11, BB22 or BB33 for Bar Spacing)
4896 Burglar Bar-White Painted finish

*Finished with a white powder coat paint.

GLAZING PERFORMANCE FOR UNIT SKYLIGHTS

	SINGLE DOME			DOUBLE DOME			TRIPLE DOME		
	U FACT	SHGC	VLT	U FACT	SHGC	VLT	U FACT	SHGC	VLT
SkyTough	0.80	0.58	60%	0.50	0.50	55%	0.30	0.45	45%
White Prismatic	0.80	0.55	84%	0.50	0.50	70%	0.30	0.48	56%
Clear Prismatic	0.80	0.94	96%	0.50	0.90	94%	0.30	0.86	90%
High White Acrylic	0.80	0.67	82%	0.50	0.63	75%	0.30	0.59	69%
Medium White Acrylic	0.80	0.55	53%	0.50	0.50	49%	0.30	0.48	45%
Clear Acrylic	0.80	0.87	95%	0.50	0.84	92%	0.30	0.80	85%
Bronze Acrylic	0.80	0.50	27%	0.50	0.46	25%	0.30	0.42	23%
Gray Acrylic	0.80	0.44	27%	0.50	0.40	25%	0.30	0.35	23%
AcraStar XL Plus -IR	N/A	N/A	N/A	0.45	0.26	38%	0.30	0.21	33%
		25mm			32mm			50mm	
PolyStar HP	0.28	0.22	40%	0.19	0.21	26%	0.16	0.19	24%

Note: U-Factor Values are for Summer Heat Gain. Above values may vary depending on dome configuration and material thickness.

Acralight Solar

email: info@acralightsolar.com

Toll free: 800-325-4355

WARNING: Skylights manufactured by Acralight Solar are designed to meet code requirements. They are not intended to withstand human impact or falling objects and should not be walked on.



DISCLAIMER: To facilitate Acralight Solar's commitment for continued product improvements, designs and specifications are subject to change without notice.

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