



Skylights &
Tube
Skylight
Systems



Let the Sunshine in...



Why Sun-Tek ?

Our Promises Hold Water

Sun-Tek makes you a promise- to be water tight! We select the best materials available. We study structure and design. We commit to ease of installation, durability of materials, maximized energy conservation and no water. Very simply, NO WATER.

Concerned about more than rain drops?

- Our Glass Skylights are available in various combinations of LoE³-340 over Clear Tempered, Laminated or Impact.
- Our Polycarbonate Skylights are produced from high impact resin that is 30 times stronger than acrylic.
- Our Extreme Weather Skylights have the widest and most complete range of hurricane & high velocity impact units of any skylight manufacturer to date !

Ease of Installation

With the rough opening prepared, an experienced roofer can install a Sun-Tek skylight - start to finish - in 15 minutes. Labor savings are multiplied with each installation.



That's Why!

From the Sun-Tek Tube... to Insulated Glass... to Polycarbonate...

Sun-Tek can offer the right application for any wind zone or environmental requirement.

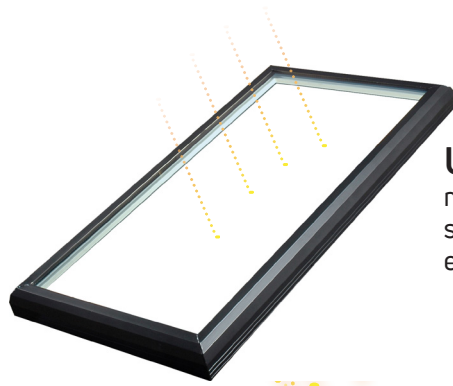
Install Sun-Tek Skylights. Then relax. Let it rain... or snow... or hail... or blow. You are safe under a canopy of sky.

Security...
Peace of Mind

Table of Contents

Why Sun-Tek ?	2
Understanding Glass Performance	3
How Do I Measure?	5
Self Flashing Glass	6
Curb Mount Glass	8
Self Flashing Polycarbonate	10
Curb Mount Polycarbonate	12
Sun-Tek Tube®	14
Commercial Skylights	15
Skylight Accessories	16

Understanding Thermal Properties On Glass Performance

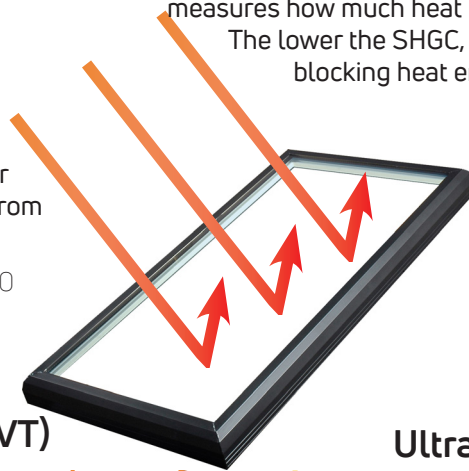


U-Factor
measures how well your skylight prevents heat from escaping a living space.

- 0.15 > U factor > 1.20
- lower is better

Solar Heat Gain Coefficient (SHGC)

measures how much heat from the sun is blocked. The lower the SHGC, the more the skylight is blocking heat entering the living space.



- 0 > SHGC > 1
- lower is better



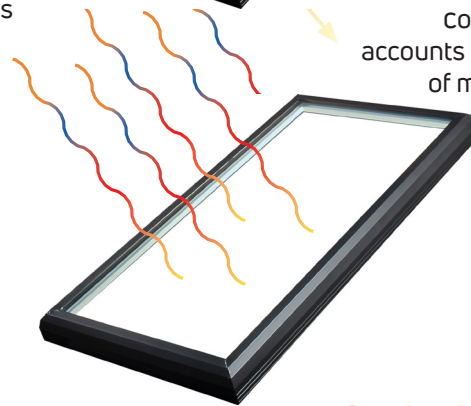
Visible Transmittance (VT)

measures how much light comes through the skylight.

- 0 > VT > 100%
- Personal Preference

Ultraviolet Light (UV)

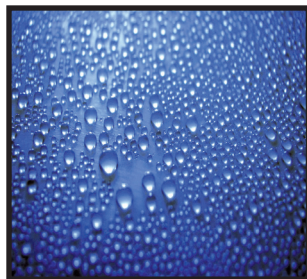
considered the energy that accounts for the majority of fading of materials and furnishings.



- 0 > UV > 1
- lower is better

Insulated Glass Thermal Properties Comparison

Glass	U-Factor	SHGC	VT	UV
Single Pane, Clear	1.04	.86	90 %	.73
Tinted/ClrTemp w/Argon	.48	.63	61 %	.32
Low-e/ClrTemp w/Argon	.30	.72	76 %	.50
LoE ² 240/ClrTemp w/Argon	.26	.25	39 %	.16
LoE ³ 366/ClrTemp w/Argon	.24	.27	65 %	.05
LoE ³ 340/ClrTemp w/Argon (Sun-Tek Standard)	.24	.18	39 %	.02



Condensation

Condensation in your home is caused by excess humidity or invisible water vapor in the air. The warm air in your home can hold large amounts of this water vapor (much more than cold air). When the moisture-laden warm air comes in contact with a cool surface, the vapor condenses to form actual water droplets. This is the cause of the condensation you see on the inside of your skylights or windows. The lower the U-Factor & SHGC thermal numbers, the better result reducing condensation.

Enjoy All Season Comfort

The solar performance of the new LoE³ glass is unprecedented in a double-pane Sun-Tek unit – no room-darkening tint required. With its SHGC of just 0.18, it greatly reduces oppressive solar heat gain. And wherever glare is a problem, the LoE³ controls that as well. Then when cold weather rolls around, its low U-Factor reduces indoor heat loss. Result? Year-round comfort.

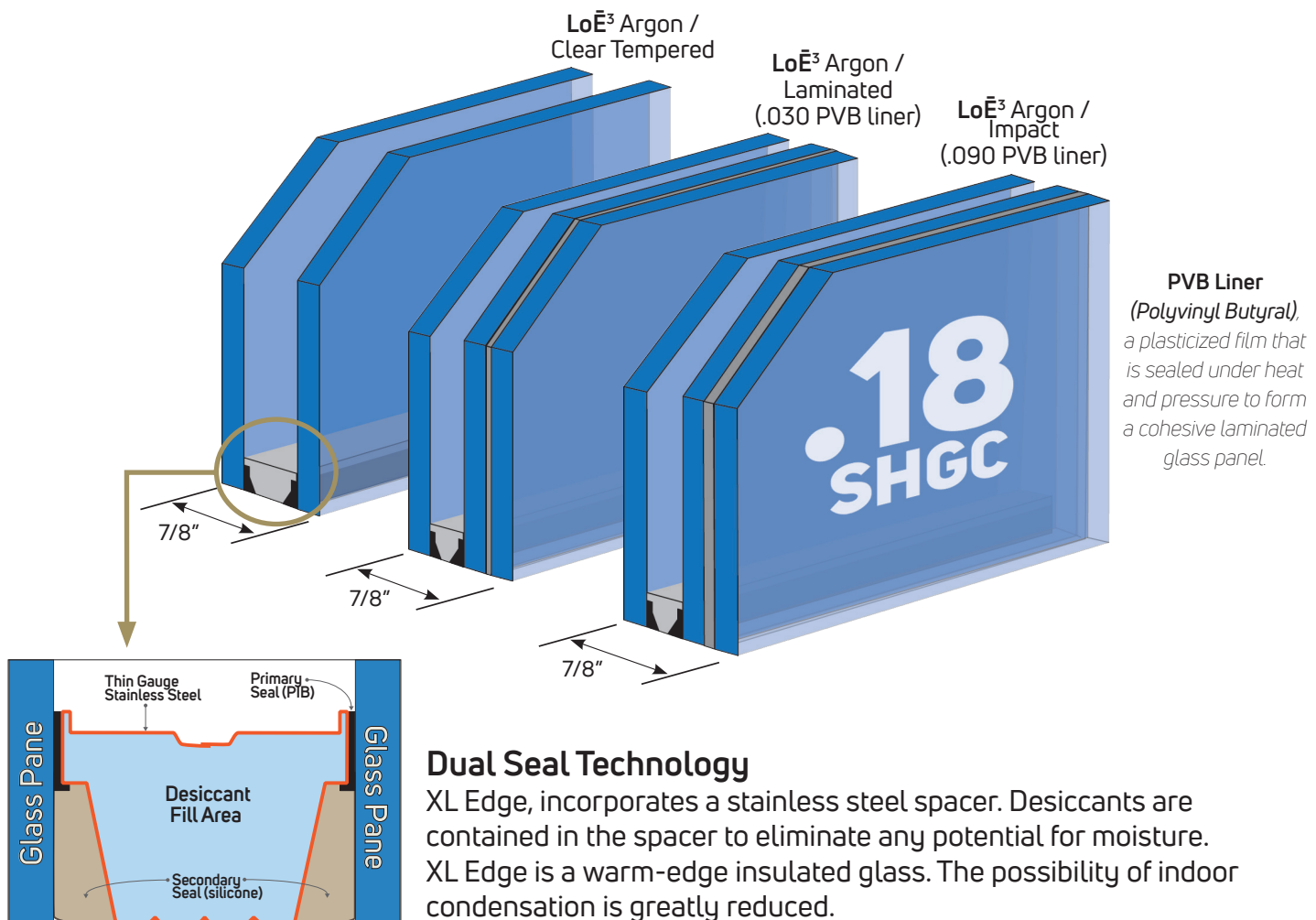
Year-round thermal comfort is mainly the result of two things:

- Blocking oppressive solar heat gain in hot weather, thus maintaining cooler glass temperatures.
- Reducing heat loss in cold weather, thus maintaining warmer glass temperatures.

Less heat gain when it's hot, less heat loss when it's cold, more comfort year-round, and the best glare control under the sun. Finally, LoE³-340 delivers the lowest UV transmission of any glass we offer. This greatly reduces fading on furniture, carpet, draperies and everything inside the home.

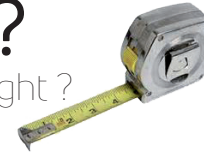
A Difference Maker !

All Sun-Tek insulated glass is standard with LoE³-340 over clear tempered and Argon filled with a 7/8" outside dimension.



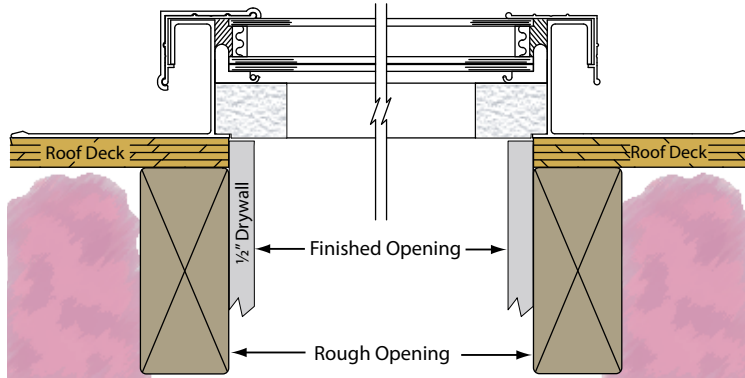
How Do I Measure ?

What is the correct measurement for my skylight ?



Measuring for a Self-Flashing Skylight

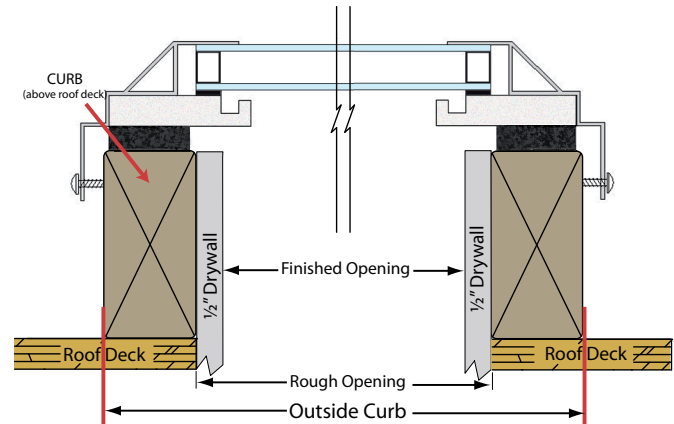
Self flashing skylights are mounted directly on a rough opening, cut into the roof deck surface.



1. Measure the rough opening if new construction or the finished opening, (assuming 1/2" drywall), if you have an existing light tunnel.
2. Measure both width & length. Always take your measurement as close to the roof deck surface as possible.

Measuring for a Curb-Mounted Skylight

Curb mounted skylights are mounted onto an existing raised curb built and flashed on top of the roof deck surface.



1. You would measure the outside of the curb (including flashing) both width & length. This is done on the roof surface itself.

Polycarbonate vs. Acrylic 101

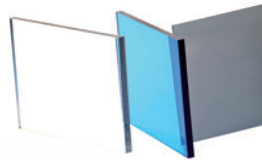
It should be remembered that both materials have their advantages and it is not a case of which one is better. As always, it is important to select the right material for the application.

POLYCARBONATE

Polycarbonate has 250 times the impact resistance of glass, making it extremely strong. It's also half the weight of glass and has a light transmittance of 89 percent. Polycarbonate is weather resistant and can handle temperatures up to 240 degrees Fahrenheit.

Key Characteristics (Polycarbonate):

- Used for industrial applications
- Bulletproof when used with glass
- More pliable under normal temperatures (0-20°C)
- Yellows over time due to UV rays
- Easier to work with (cut, less likely to break)
- Blocks 99% of UV rays
- Co-Extruded & UV protected



ACRYLIC

Acrylic has 17 times the impact resistance of glass and weighs half as much. Acrylic has a light transmittance of 92 percent. Acrylic can handle temperatures up to 190 degrees Fahrenheit.

Key Characteristics (Acrylic):

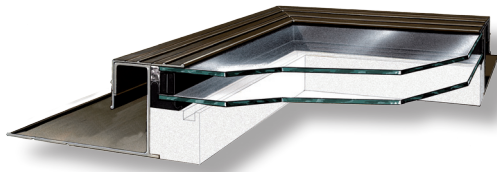
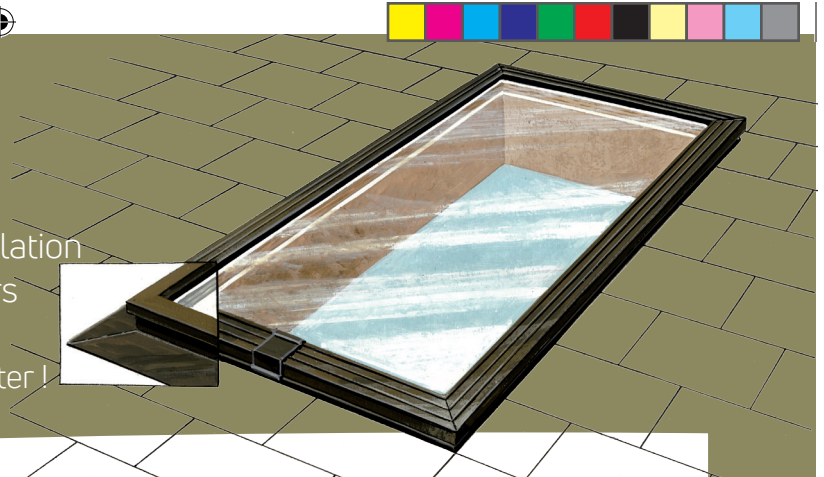
- More likely to chip, less impact resistant than Polycarbonate. (Still 10-24 times more resistant than float glass)
- Less likely to scratch.
- Yellows more slowly from UV rays.

At - a - Glance	Polycarbonate	Acrylic
Impact vs Glass	250 times more	17 times more
Weight vs Glass	1/2 the Weight	1/2 the weight
Heat Tolerance	up to 240° F	up to 190° F

Self Flashing Glass

Insulated Glass Models

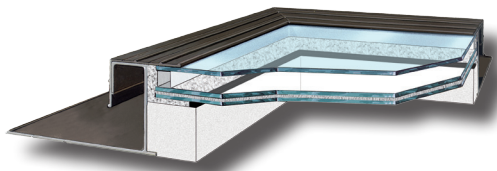
- Completely Assembled, One-piece for easy installation
- Extruded aluminum exterior w/Tig welded corners
- Argon Insulated (LoE³-340 /Tempered) standard
- Industry leading Heat Gain performance @ 0.18 or better
- 20 Year Limited Warranty



FGC - Fixed Glass Classic

The FGC is the choice for a sleek, extra low profile skylight that blends beautifully with the roof line.

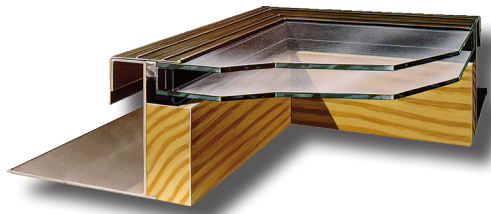
- 2 1/8" Curb Height
- For use on asphalt shingle roofs with a minimum 2:12 pitch
- PVC liner for improved thermal rating



iFGC - Impact Fixed Glass Classic

The iFGC brings the same benefits as the FGC in an impact unit.

- Argon Insulated (LoE³-340 /Impact Glass) standard
- Approved for use in HVHZ (High Velocity Hurricane Zones)
- PVC liner for improved thermal rating



FHP - Fixed High Profile

Choose the Fixed High Profile when you prefer a traditional 3 1/2" high mounting curb.

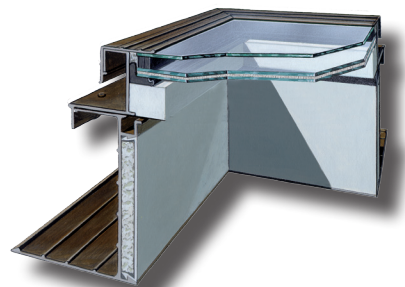
- 3 5/8" Curb Height
- For use on asphalt or cedar shake shingle roofs with a minimum 2:12 pitch



TG - Tile Glass

Or select Tile Glass, a skylight specially designed for use on barrel tile roofs.

- 4 7/8" Curb Height
- Suitable for any roof type except metal
- Additional Options Include: White Wood



iSFG - Impact Self Flashing Glass

Flat flanged, Argon-filled double insulated impact glass and white PVC liner for insulation.

- 5 3/8" Curb Height
- Suitable for any roof type except metal





Incredibly Fast Installation

No step-flashing required. The flashing is pre-molded into the base.

Completely Assembled

One piece construction, so it's ready to install right out of the box!

High Performance Glass

With a Solar Heat Gain of .18, LoE³ Argon-filled glass is the industry leader in performance!



Leakproof

We TIG weld the corners. No glue or pop-rivets. A Leak Is Impossible!



Size Selection			
Size Code	Daylight Area (SqFt)	Roof Opening	Fits on Center
1733	2.62	14½" x 30½"	16"
1749	4.06	14½" x 46½"	
2441	5.12	21" x 37 7/8"	24"
2449	6.22	21" x 45 3/4"	
2525	3.06	22½" x 22½"	
2533	4.23	22½" x 30½"	
2549	6.56	22½" x 46½"	
2572	9.92	22½" x 69½"	16" 32"
3333	5.84	30½" x 30½"	
3349	9.06	30½" x 46½"	
4949	14.06	46½" x 46½"	16" 24" 32"

Not all models available in all sizes

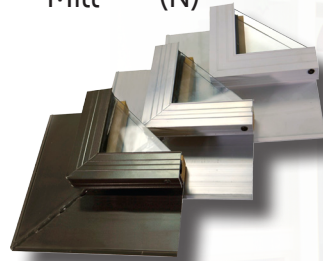
Glass Options

High Performance LoE³ Argon-filled glass over

- Clear Temp(E-C) Standard
- Laminated (E-L)
- Impact (E-I)
- Other Glass Options Available by Special Order

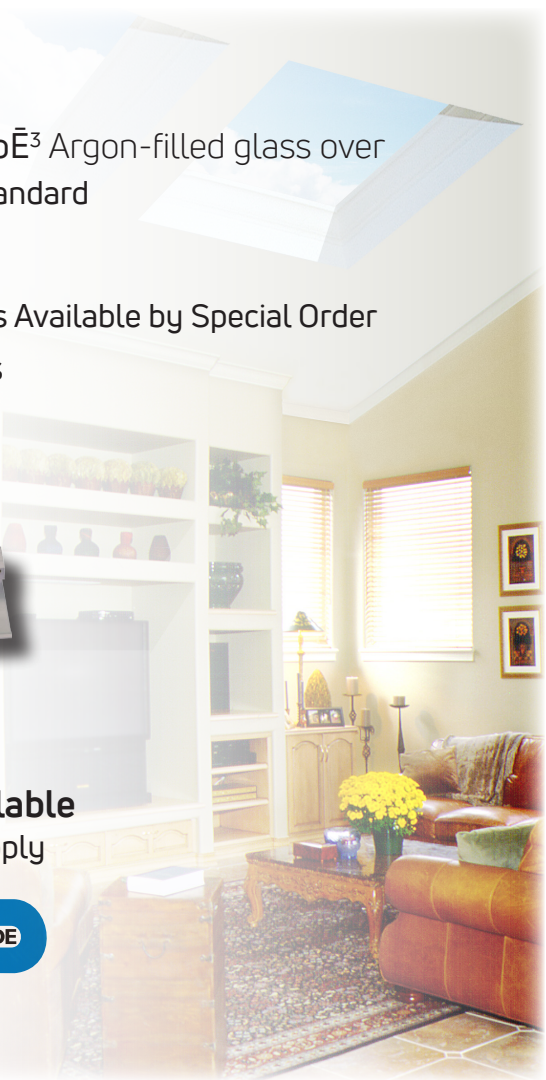
Frame Color Options

- Bronze (B)
- White (W)
- Mill (N)



Custom Sizes Available

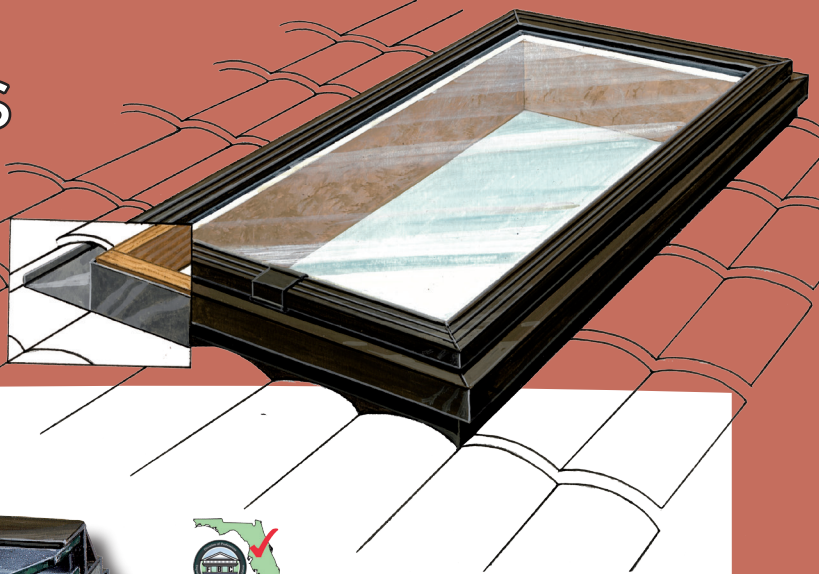
- Some Limitations Apply



Curb Mounted Glass

Insulated Glass Models

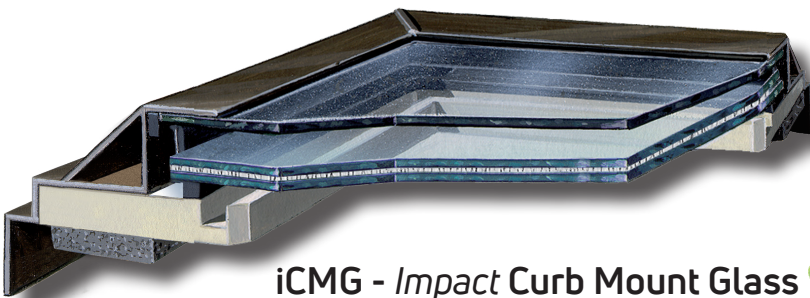
- Argon Insulated (LoE³-340 /Tempered) standard
- Extruded aluminum exterior w/Tig welded corners
- Suitable for use on any type roof, including metal, with a self-built curb with flashing.
- 20 Year Limited Warranty



CMG - Curb Mount Glass

The Curb Mount Glass incorporates its own leak-proof cap, to "cap-off" your raised or "curb" roof opening

- Argon Insulated (LoE³-340 /Tempered Glass) standard
- PVC liner for improved thermal rating



iCMG - Impact Curb Mount Glass

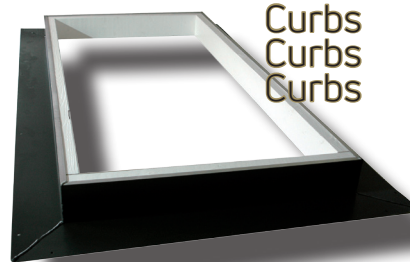
The iCMG brings the same benefits as the CMG in an impact unit.

- Argon Insulated (LoE³-340 /Impact Glass) standard
- Approved for use in HVHZ (High Velocity Hurricane Zones)
- PVC liner for improved thermal rating



Labor Saver

Curbs
Curbs
Curbs



*See Page 16
for Sun-Tek Curb Options!*

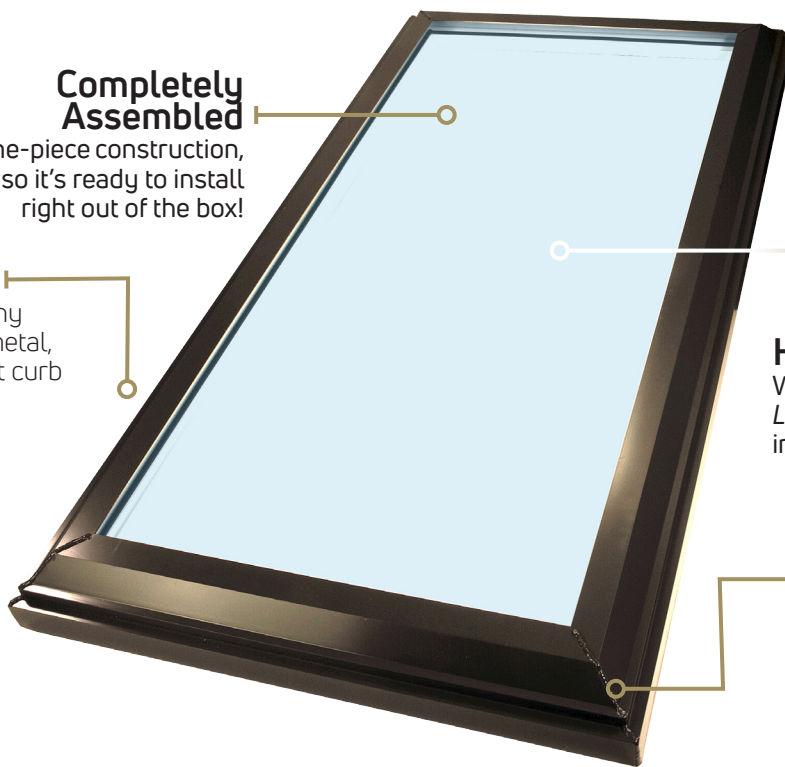


Completely Assembled

One-piece construction, so it's ready to install right out of the box!

Any Roof Type

Suitable for use on any type roof, including metal, installs on a self-built curb with flashing.



High Performance Glass

With a Solar Heat Gain of .018, LoE³ Argon-filled glass is the industry leader in performance!

Leakproof

We TIG weld the corners. No glue, screws or pop-rivets. A Leak Is Impossible!

Size Selection

Size Code	Daylight Area (SqFt)	Roof Opening	Outside Curb Dimension	Fits on Center
1733	2.62	14½" x 30½"	17½" x 33½"	16"
1749	4.06	14½" x 46½"	17½" x 49½"	
2525	3.06	22½" x 22½"	25½" x 25½"	24"
2533	4.23	22½" x 30½"	25½" x 33½"	
2549	6.56	22½" x 46½"	25½" x 49½"	
2572	9.92	22½" x 69½"	25½" x 72½"	
3333	5.84	30½" x 30½"	33½" x 33½"	16" 32"
3349	9.06	30½" x 46½"	33½" x 49½"	
4949	14.06	46½" x 46½"	49½" x 49½"	16" 24" 32"

Not all models available in all sizes
Skylights made 1 ⅜" larger than outside curb dimension

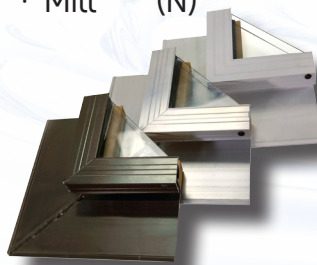
Glass Options

High Performance LoE³ Argon-filled glass over

- Clear Temp (E-C)
- Laminated (E-L)
- Impact (E-I)
- Other Glass Options Available by Special Order

Frame Color Options

- Bronze (B)
- White (W)
- Mill (N)



Custom Sizes Available

- Some Limitations Apply

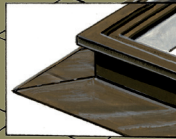


Self Flashing Polycarbonate

Co-Extruded & UV Protected

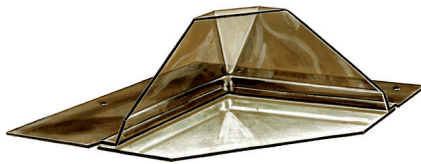
Polycarbonate Models

- Completely Assembled w/Tig welded corners
- Double Dome Insulated
- Minimum 2:12 Pitch Required (except TP & HSF)
- Everything included for easy installation
- 10 Year Limited Warranty / 5 Year on SF & SFPH



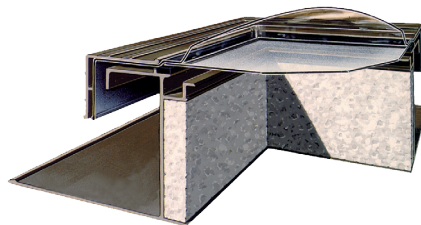
SF - Self Flashing

- An all polycarbonate skylight. The SF mounts directly between your shingles and roof decking
- For use on composition or asphalt shingle roofs



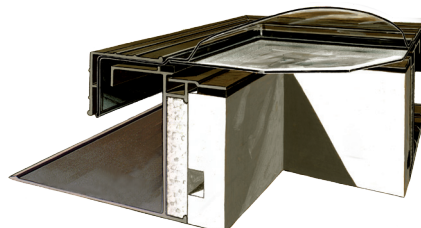
SFPH - Self Flashing

- The same great performance as the SF with faceted flair
- For use on composition or asphalt shingle roofs



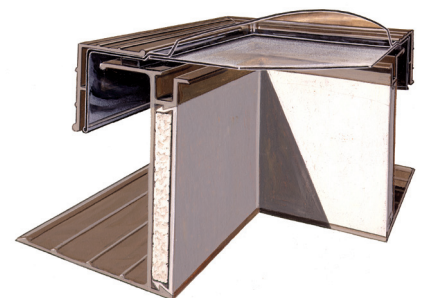
SFA - Self Flashing Aluminum

- 4" flat flange
- Allows for placement of drywall inside of the curb
- Foam insulation is designed to provide thermal protection
- 2 5/8" Curb Height
- For use on composition or asphalt shingle roofs



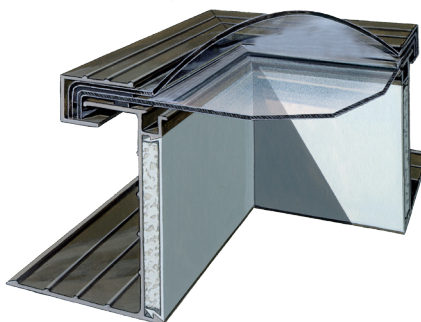
SFAW - Self Flashing Aluminum With Liner (PVC)

- 4" flat flange
- Foam insulation is designed to provide thermal protection
- White PVC Liner
- 2 5/8" Curb Height
- For use on composition or asphalt shingle roofs



TP - Tile Plastic

- The TP is the choice for your tile or "built up" roof
- 5 1/2" Curb Height
- With white PVC liner
- For use on any type roof except metal



HSF Hurricane Self-Flashing

- Flat flanged aluminum framed skylight
- 5 1/2" Curb Height
- For use on any type roof except metal





Incredibly Fast Installation

No step-flashing required. The flashing is pre-molded into the base. Once the roof opening is ready, you're off the roof in less than 15 minutes!



Leakproof

We TIG weld the corners. No glue or pop-rivets. A Leak Is Impossible!

Completely Assembled

One piece construction, so it's ready to install right out of the box!

Size Selection			
Size Code	Daylight Area (SqFt)	Roof Opening	Fits on Center
1414	1.27	14½" x 14½"	16"
1422	2.02	14½" x 22½"	16", 24"
1430	2.77	14½" x 30½"	16"
1446	4.27	14½" x 46½"	
1919	2.38	19½" x 19½"	24"
2222	3.21	22½" x 22½"	
2230	4.40	22½" x 30½"	
2236	5.30	22½" x 36½"	
2246	6.79	22½" x 46½"	
2269	10.23	22½" x 69½"	16" 32"
3030	6.04	30½" x 30½"	
3046	9.32	30½" x 46½"	
3069	14.03	30½" x 69½"	32"
3636	8.75	36½" x 36½"	
4646	14.38	46½" x 46½"	16" 24"
4669	21.64	46½" x 69½"	32"

Not all models available in all sizes

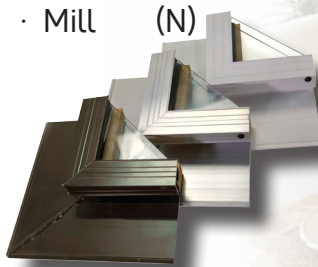
Dome Options -
Bronze/ Clear Standard

Dome Color Options

- Clear (C)
- Bronze (B)
- White (W)
- Triple dome options available in select sizes

Frame Color Options

- Bronze (B)
- White (W)
- Mill (N)



Custom Sizes Available

- Some Limitations Apply

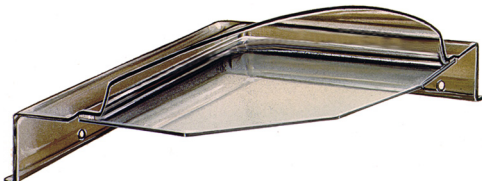


Curb Mounted Polycarbonate

Co-Extruded & UV Protected

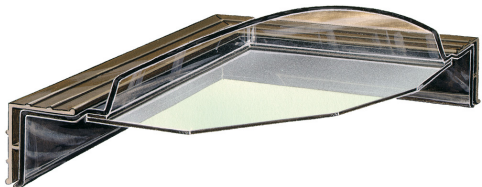
Polycarbonate Models

- Requires self-built curb with flashing or Sun-Tek LS Curbs.
- Suitable for use on any type roof, including metal.
- 10 Year Limited Warranty



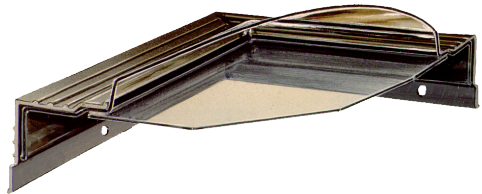
CM - Curb Mount

- An all polycarbonate skylight that installs over your own curb or over our LS-Labor Saver Curb, a specialty product for making easy installation, even easier



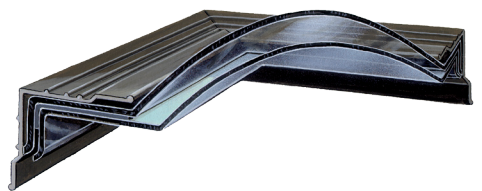
CMA - Curb Mount Aluminum

- CMA installs over a curb to provide a leak-proof cap.
- Wrapped with a decorative aluminum trim



MDCMA - Miami Dade - Curb Mount Aluminum

- Curb mounting double layer skylight with aluminum frame
- Double Dome Insulation w/Tig welded corners
- For sizes up to and including 2246



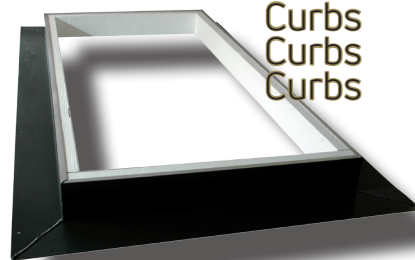
CMA-D - Curb Mount Aluminum - Dade

- Curb mounting double dome skylight with aluminum frame
- Double Dome Insulation w/Tig welded corners
- For sizes greater than 2246



Labor Saver

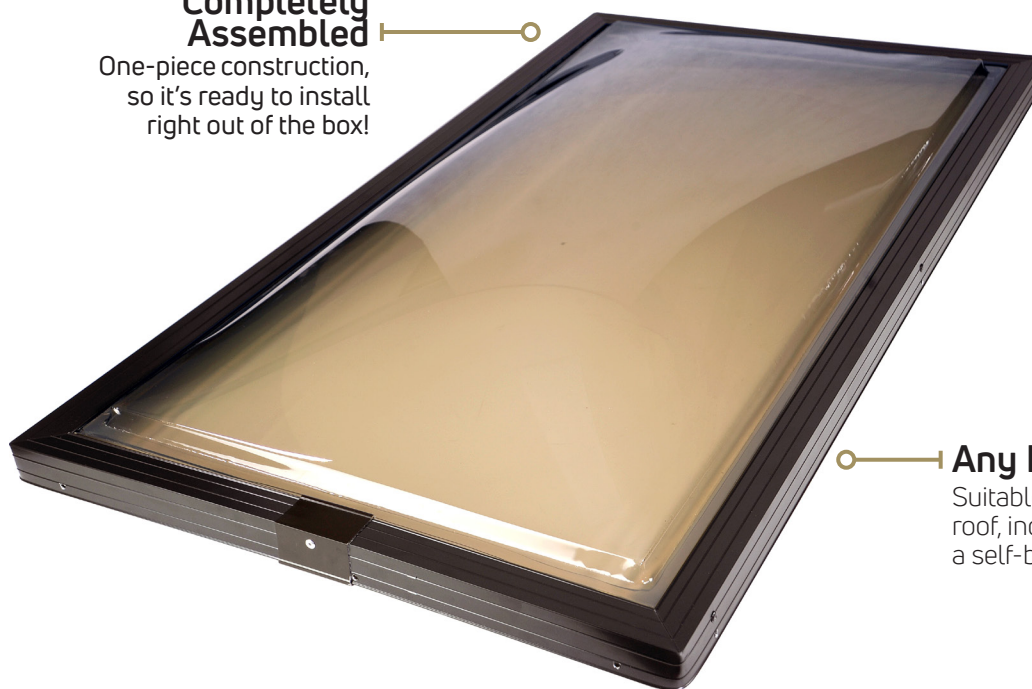
Curbs
Curbs
Curbs



See Page 19
for Sun-Tek Curb Options!



Completely Assembled
One-piece construction, so it's ready to install right out of the box!



Any Roof Type
Suitable for use on any type roof, including metal, installs on a self-built curb with flashing.

Size Selection				
Size Code	Daylight Area (SqFt)	Roof Opening	Outside Curb Dimension	Fits on Center
1414	1.27	14½" x 14½"	17½" x 17½"	16"
1422	2.02	14½" x 22½"	17½" x 25½"	16",24"
1430	2.77	14½" x 30½"	17½" x 33½"	16"
1446	4.27	14½" x 46½"	17½" x 49½"	
1919	2.38	19½" x 19½"	22½" x 22½"	24"
2222	3.21	22½" x 22½"	25½" x 25½"	
2230	4.40	22½" x 30½"	25½" x 33½"	
2236	5.30	22½" x 36½"	25½" x 39½"	
2246	6.79	22½" x 46½"	25½" x 49½"	
2269	10.23	22½" x 69½"	25½" x 72½"	16" 32"
3030	6.04	30½" x 30½"	33½" x 33½"	
3046	9.32	30½" x 46½"	33½" x 49½"	
3069	14.03	30½" x 69½"	33½" x 72½"	32"
3636	8.75	36½" x 36½"	39½" x 39½"	
4646	14.38	46½" x 46½"	49½" x 49½"	16" 24"
4669	21.64	46½" x 69½"	49½" x 72½"	32"

Not all models available in all sizes
Skylights made 1" larger than outside curb dimension

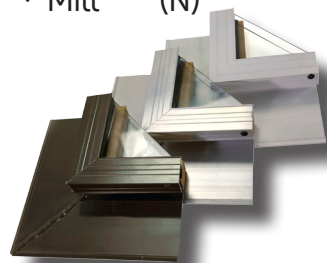
Dome Options - Bronze / Clear Standard

Dome Color Options

- Clear (C)
- Bronze (B)
- White (W)

Frame Color Options

- Bronze (B)
- White (W)
- Mill (N)



Custom Sizes Available

- Some Limitations Apply

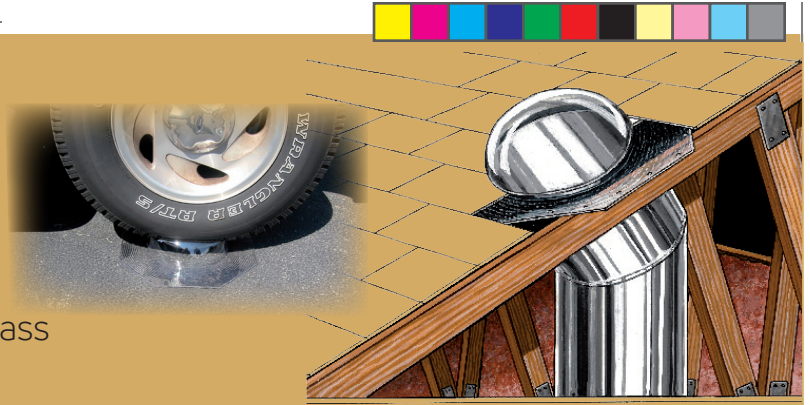


Tube Skylights

Co-Extruded & UV Protected

Glass or Polycarbonate Models

- Insulated Glass or Double Dome Polycarbonate
- 10 Year Warranty on polycarbonate, 20 year on glass



STT - Self Flashing Tube (standard)

» Select from (2) Exterior Lens Options

- For use with asphalt shingle roofs only
- Minimum 2:12 pitch required
- No curb needed
- Only basic carpentry skills needed to install



STTCM - Curb Mounted Tube

» Select from (3) Exterior Lens Options

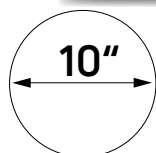
- Can be installed on all roof types
- For use with low pitch roofs
- Curb & Flashing provided by installer



Replacement Dome Kits

If you're replacing that old roof or just replacing that old tube skylight dome, consider a universal polycarbonate dome kit!
(Fits most of the existing kits in the market today)

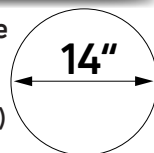
Replacement Domes Only!
(Tubes Not Included)



STT10 RDR

No assembly, one piece dome with:

- Sealant (included)
- Mounting Hardware (included)
- Install Instructions (included)



STT14 RDR

Tube Accessories

Tube Extensions

Extension tunnels are available for situations requiring more than the 48 inches of tubing included in the kits

20" extensions

48" extensions

For Sun-Tek® Tube .
For all tube diameters



Tube Extension Elbow

For those situations where additional maneuverability is needed in your attic.

90° elbows

Available for Sun-Tek® Tube .
For all tube diameters



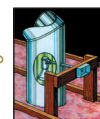
45° elbows



Light Kit

You can use your Sun-Tek Tube as an extra light source DAY OR NIGHT with the addition of our special light kit.


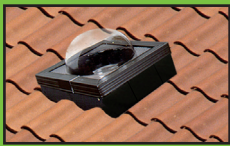
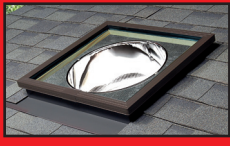


For all tube diameters





Sun-Tek Tube Specifications		
TUBE SIZE	10 inch	14 inch
*Total Tube Length Included	48"	48"
Tube Length Limits	10 ft (max) 18 in (min)	20 ft (max) 18 in (min)
Fits on Center Spacing	16" or 24"	16" or 24"
Roof Opening	10 1/8"	14 1/8"
Daylight Area (sq.ft.)	.54	1.06
Area Illuminated (sq.ft.)	150 sq ft	250 sq ft
DOME HEIGHT (polycarbonate)	5 1/8"	6 1/4"
OUTSIDE CURB DIMENSIONS (curb mount only !)		
Polycarbonate	13 1/2" x 13 1/2"	17 1/2" x 17 1/2"
Insulated Glass	15 1/2" x 15 1/2"	19 1/2" x 19 1/2"
* 48" of tubing included in kit is comprised of two 15" elbows that turn up to 45 and one 20" extension.		

Sun-Tek Tube Exterior Lens Options

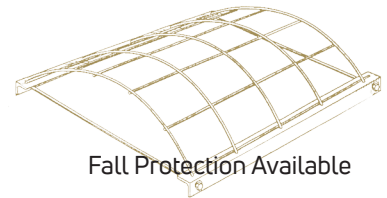
	Polycarbonate Lenses	Self Flashing Polycarbonate <i>(Standard Unit)</i> <ul style="list-style-type: none"> For use with asphalt shingle roofs only - minimum 2:12 pitch required No curb needed Everything included for installation, even the sealant Only basic carpentry skills needed to install
		
	Insulated Glass Lenses	Self Flashing Insulated Glass <ul style="list-style-type: none"> For use with asphalt shingle roofs only - minimum 2:12 pitch required No curb needed FGC or IFGC Unit w/Tube Kit
		
		Curb Mounted Hurricane Glass <ul style="list-style-type: none"> Can be installed on all roof types Hurricane Impact Rated Curb & Flashing provided by installer ICMG Unit w/Tube Kit

Commercial Polycarbonate Skylights

- 6", 9" or 12" Standard Curb Height Mill, Bronze or White Finish
- Double or Triple Domes
- Pyramid Domes Available
- White, Clear or Bronze Domes
- 5 Year Limited Warranty

For over 45 years Sun-Tek has been manufacturing the most complete line of high standard - residential skylighting here in the United States.

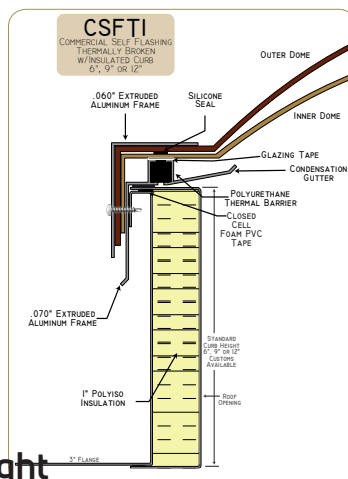
We are now offering this same great assurance in a commercial version.



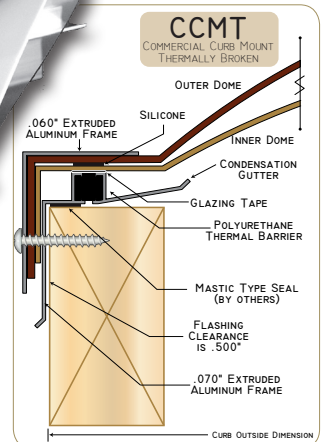
Fall Protection Available



Thermally Broken Skylight w/Broken & Insulated Curb



Thermally Broken Skylight w/Self-Built Curb



Skylight Accessories

- Labor Saver Curbs
- Step Flash Kits

- Skylight Controls
- Tube Accessories

Sizing Table

Roof Opening	Glass Size Code	Poly Size Code
<i>Not all sizes apply to all accessories !</i>		
14½"x14½"		1414
14½"x22½"	1725	1422
14½"x30½"	1733	1430
14½"x46½"	1749	1446
19½"x19½"		1919
22½"x22½"	2525	2222
22½"x30½"	2533	2230
22½"x36½"		2236
22½"x46½"	2549	2246
22½"x69½"	2572	2269
30½"x30½"	3333	3030
30½"x46½"	3349	3046
30½"x69½"		3069
36½"x36½"		3636
46½"x46½"	4949	4646
46½"x69½"	4972	4669

Labor Saver Curbs

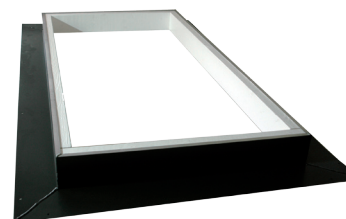
NOT FOR USE ! on Metal Roofs

No need to spend time on the roof building a curb including flashing. Made from the same T6 aluminum as our skylights, the *Labor Saver Curbs* are TIG welded for tough long lasting durability.

- Available painted bronze finish or mill (natural aluminum).
- The wood liner comes in natural or painted white finish.
- Available as a 2x4 curb installation.

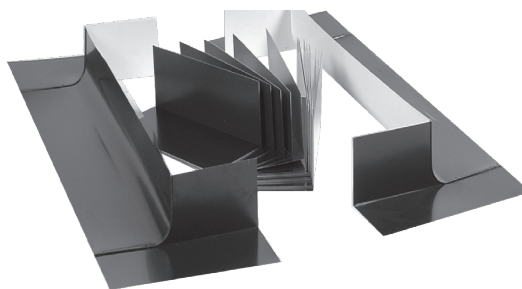


IT'S ALL ONE-PIECE AND READY TO INSTALL !



STS 1000 Caulk

Seals 12 linear feet on curb mount models; seals 3 linear feet on flanged models. Sold by tube (9.46 fl. oz.) or by case (12 tubes). Actual label may differ from photo.



Step Flash Kits

(NOT FOR USE ON METAL ROOFS)

Pre-formed, pre-cut aluminum kit to be used for flashing on self-built curb. Use with curb mount models. (3 ½" height) Available in 4 sizes in bronze:

- 1749** - up to all Glass 1749 & Poly 1446
- 2549** - up to all Glass 2549 & Poly 2246
- 3349** - up to all Glass 3349 & Poly 3046
- 4949** - up to all Glass 4949 & Poly 4646



It is our honor to manufacture & market Sun-Tek Skylights throughout the United States and around the world. We are proud to be a wholly owned American company.



Sun-Tek skylights have received certification from the Texas Department of Insurance as approved under the Texas code.



Since 1979, Sun-Tek has been investing in our local communities and building our brand as a leading manufacturer of natural lighting solutions.



Sun-Tek provides an entire class of Extreme Weather™ products for any skylight application required. Updated NOA#'s for Miami-Dade are available on the website or through customer service.



Sun-Tek skylights have received certification from the Florida Building Commission as approved under the Florida code.



The National Accreditation an Management Institute Inc. has certified Sun-Tek as a participant in quality assurance.

Contact your local Sun-Tek representative or Sun-Tek customer service for pricing and availability.

Sun-Tek Manufacturing, Inc. • 10303 General Drive • Orlando, FL 32824
Ph: 800-334-5854 • Fx: 800-331-6607 • www.Sun-Tek.com • CustomerService@Sun-Tek.com