



**VELUX®**

The No Leak Skylight™

# Skylight Replacement Guidebook



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**BEFORE**





AFTER



# Why replace?

## Daylight

VELUX puts our most abundant natural resource – light from above – to excellent use. Our skylights bring more daylight into a space compared to conventional vertical windows. And by allowing light in from above, skylights let in rich, natural light that redesigns the look and feel of your home every hour of the day.

## Fresh Air

VELUX skylights open! Our “Fresh Air” skylights are designed to open to release stale, trapped air from your home while filling it with crisper, cleaner air. When you open your skylights for a few minutes every day to release hot air that has risen to the ceiling, you help lower the amount of energy your HVAC uses to cool that air.

## Energy Efficiency

Replacing your skylight with a newer model can increase your home’s energy efficiency, as well as its value. As the leader in skylights, we have designed skylights that help to reduce energy consumption and actively fine-tune the climate inside your home to create a greener, healthier space. And with a nationwide certified installer program, we make it easier than ever to replace your skylight and illuminate your space with brighter natural light and fresh air.











### **Clear Sky Views**

Bring in more daylight with a clear glass skylight for blue skies during the day and star gazing at night.

### **Ventilation**

Opening your skylight helps purify your entire home with fresh air.

### **Seasonal Automation**

Automatically optimize energy performance based on outside conditions.





### Clean Quiet and Safe

Neat® glass technology gives your new skylight a smoother, cleaner surface while keeping you protected with safety code compliance.

### Lower Electric Bill

Turn off more lights in your home by soaking up free light from above.

### Unique Design

Add the finishing touch by pairing your skylight with designer blinds.

# When to Replace Your Skylight

The average life of a skylight can range from 20 to 30 years with one roofing system — in some cases that range may be longer. We always advise, however, to replace your skylight when you reroof. Here's five reasons why.





# When to Replace

## Five Reasons to Replace Your Skylight When Your Reroof



### 1. Reduce Skylight Damage

Reroofing can reduce the lifespan of your skylight. The strain of endless hammering and shifting on a roof can cause a skylight to shake and shift, creating seal failures and foggy, inefficient glass.



### 2. Coinciding Warranty

VELUX offers a comprehensive 10-year installation warranty, which covers the skylight and its installation against leaks. When you replace the skylight with your new roof, your warranties will be synced.



### 3. Matching F

If you wait to replace your skylight until after reroofing, it may be tough to find matching material and you could end up with a new skylight on a roof that doesn't look as good.



**BEFORE**





## Roof Material

Replace a skylight until after  
reroofing to match the roofing  
and end up with mismatched  
materials. This can provide a seamless  
look and feel.



## 4. Save Money

Replacing a skylight during a reroofing project  
saves time and money. By having both projects  
completed together, you eliminate contractor  
charges for additional requests like material  
disposal, crew scheduling and even permitting.



## 5. Clean, Quiet and Safe

If it's been awhile since you've installed your  
skylight, take advantage of a new skylight that  
features our Clean, Quiet, and Safe glass. Learn  
more on [page 18](#) of this guide.



**AFTER**







# What to Replace Your Skylight With

## A New Generation of Skylights



### VELUX Fresh Air Skylights

When you select a "Fresh Air" skylight, you open your home up to brighter days and fresher air. A venting skylight opens to remove the trapped, warm, CO<sub>2</sub>-filled air that lingers around your ceiling. With a touch of a button (or the turn of a handle), that unhealthy air rushes out, allowing room for fresher, cooler air to rise. It's science...or more specifically, buoyancy. Hot air rises while cool air sinks to the ground. When you open up a window on your roof (skylights), hot air quickly gets pushed out to make room for the rising cooler air.

[Read More >](#)



### VELUX Flat Roof Skylights

Not all houses have pitched roofs, leaving many homeowners to fear their only option being a bubble skylight or no skylight at all. We hope to change that mentality with our new Flat Roof Skylights. Designed to be both sleek and effective on flat roofs, these flat roof skylights let in more daylight, easily drain rainwater, and stands out (in a good way) as a modern addition to your roof.

[Read More >](#)





## VELUX Custom Skylights

Think of it this way. It's your skylight, your way! Not all standard-sized skylights work for your project. We understand that, which is why we offer custom-sized skylights. These skylights come in whatever size specifications you need up to 32 square feet – that's almost 10 feet wide! With venting and fixed skylight options, there's always a VELUX skylight to suit your replacement needs.

[Read More >](#)



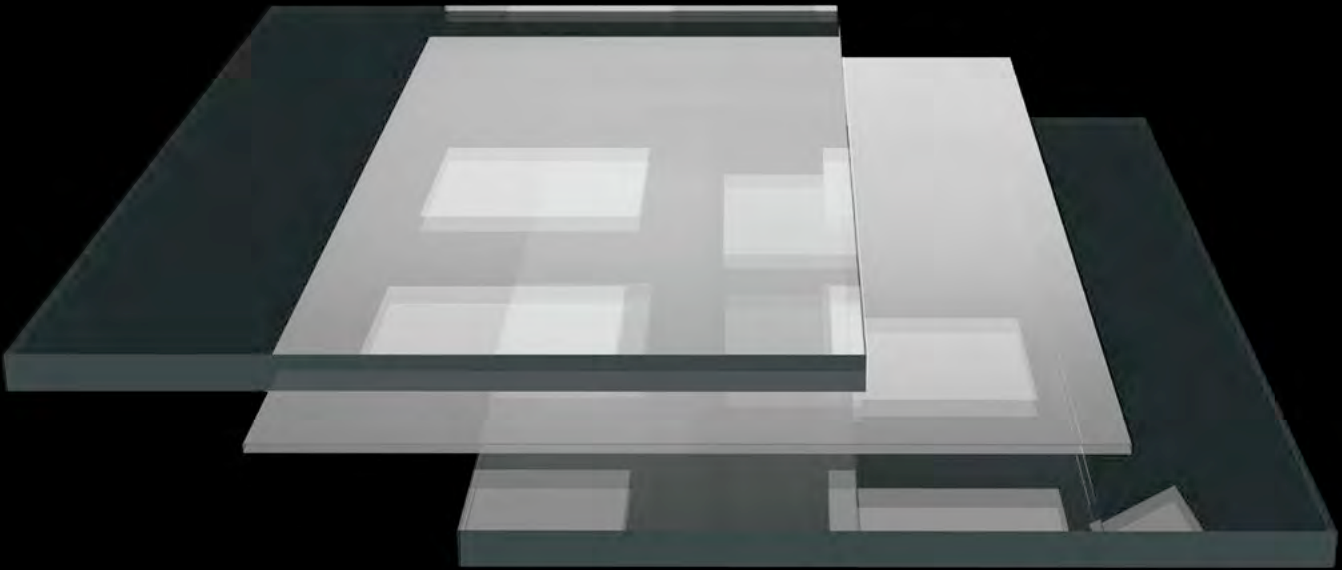
## VELUX Sun Tunnel Skylights

A window or a skylight cannot always fit in certain spaces of your home – but sun tunnels can! Unlike the more traditional windows or skylights, VELUX Sun Tunnel Skylights consist of many passages of highly reflective tubing joined together to create a path of light into your space below. Starting at your roof and traveling down to your room, the VELUX Sun Tunnel brings daylight into virtually any room in your house.

[Read More >](#)

# What to Replace Your Skylight With

## New Skylight Technology



## The Glass in Our Skylight

### Clean, Quiet & Safe Glass

The name says it all: it's cleaner, quieter, and safer than any skylight glass on the market today.

Clean, Quiet & Safe Glass is made with silicon dioxide, making it much smoother than ordinary glass so water disperses evenly to evaporate quickly and reduce water spotting. It reduces up to 25% more of unwanted outside noise than

standard double pane glass and up to 50% more than plastic skylights.

And since Clean, Quiet & Safe Glass is a laminated glass, it's safe and compliant with all building codes for out-of-reach applications.

Standard on all **FS / VS / VSS / VCS / EV / EF / EVMS** models.

### Additional Glass Options

#### Impact Glass

Our toughest glass, resistant to penetration from wind-borne debris.

#### White Laminated Glass

White coating diffuses 100% of light flowing to the space below.

#### Snowload Glass

Reinforced glass to withstand added weight from accumulated snow.

#### Tempered Glass

Built with an additional degree of hardness for added safety.  
**FCM / VCM / QPF only**



## VELUX ACTIVE

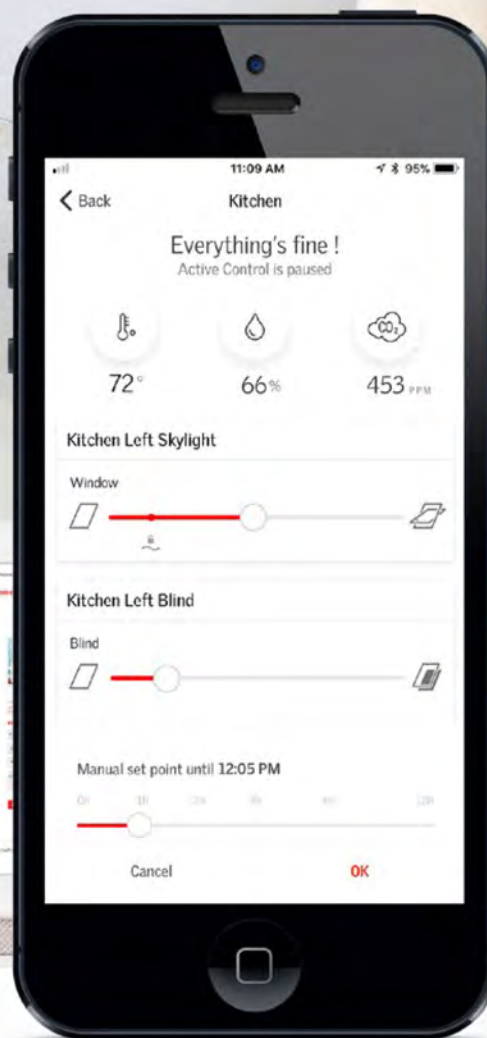
Smart sensor-based operation  
of your VELUX skylights  
and blinds.

with  
**NETATMO**

# A skylight that thinks for itself.

VELUX ACTIVE with NETATMO gives you the power to open and close your skylights and blinds with the sound of your voice or a touch of a button on your smartphone. What's more, with VELUX ACTIVE, your skylight learns your ideal home climate and works to match your comfort level by opening and closing automatically.

[Read More >](#)



# What to Expect During a Replacement

When it comes time to replace your skylight, either during a reroofing project or repair, know that you're in good hands when you choose a certified VELUX installer. Replacing a skylight can have a varied approach depending on the type of skylight installation you have; deck-mounted or curb-mounted skylights.





# What to Expect

## Replacement Methods

### Curb-Mounted Skylight Replacement

Think of a curb-mounted skylight like a shoebox. The bottom of the box is the curb and the lid is the skylight. The best practice is to replace both the curb and the skylight during a replacement. An installer will need to remove all of the adjacent shingles (or rubber roofing) and the old skylight. There are some instances, however, when the curb is new and just the skylight needs to be replaced due to damage.



VELUX Install Video: Replacing Curb-Mount Skylights

### Insider Tip:

If you have photos or VELUX product identification for your existing skylight, matching your existing skylight with a new replacement.



## Deck-Mounted Skylight Replacement

For a deck-mounted skylight, the skylight mounts directly to the roof deck. An installer will need to remove all of the adjacent shingles, the old skylight, as well as the flashing and underlayment. The entire unit will need to be removed before installing a new unit with the appropriate underlayment and flashing.



VELUX Install Video: Replacing Deck-Mount Skylights

For skylight, share that with your installer to assist in

# What to Expect

Our No Leak Promise



## Introducing The VELUX No Leak Skylight

Our biggest promise that  
the skylights you replace  
in your home will not leak.

VELUX's three patented layers of water protection  
work seamlessly to ensure no rain will leak into  
your home through your skylight.

## The No Leak Skylight™

• No Leak Promise • No Worries



When you replace your old skylight, we work to make your installation as simple as possible to eliminate mistakes that can lead to leaks. Our new skylights and flashing kits come with everything a roofer, builder, or a general contractor needs to assure water won't get in after the skylight has been installed. Both of our VELUX deck-mounted skylights and curb-mounted skylights include three layers of protection from water leaks. When it rains, that's three reasons you'll have peace-of-mind.



#### **The First Layer – seal.**

- Deck-mounted skylights have the deck seal: a continuous steeling mounting bracket surrounding the skylight that is lined with closed-cell foam. When nailed to the roof deck, the closed-cell foam contours to the roof deck to create a water and airtight seal.
- Curb-mounted skylights come with a pre-attached skylight gasket that creates a tight seal between the curb and the skylight.

#### **The Second Layer – adhesive underlayment.**

- Similar to thick pieces of tape in strips 25 feet long and 9 inches wide, the underlayment is installed up the side of the skylights and over the deck seal on a deck-mounted skylight or from the roof and up the side of the curb on a curb-mounted skylight.

#### **The Third Layer – step flashing**

- Step flashing is commonly used roofing material where one section of the roof meets a wall (look around your chimney and vents). This technique means alternating metal flashing pieces with the roofing materials, starting at the bottom of the skylight and working up to the top.



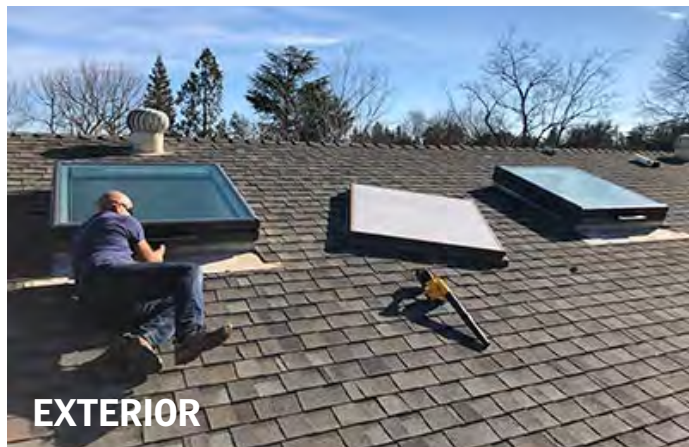




## The Dilbeck's Skylight Renovation

The Dilbeck family enjoyed living in sunny California but knew it was time to replace their skylights when their older, translucent white acrylic models were starting to deteriorate. Their skylights didn't offer energy efficiency, fresh air or a view of the sky overhead. Not to mention, one was leaking! The family knew it was time to replace their existing skylights with VELUX No Leak Solar Powered "fresh Air" models to provide blue sky views and open for fresh air to flow within their home.

[Read More >](#)

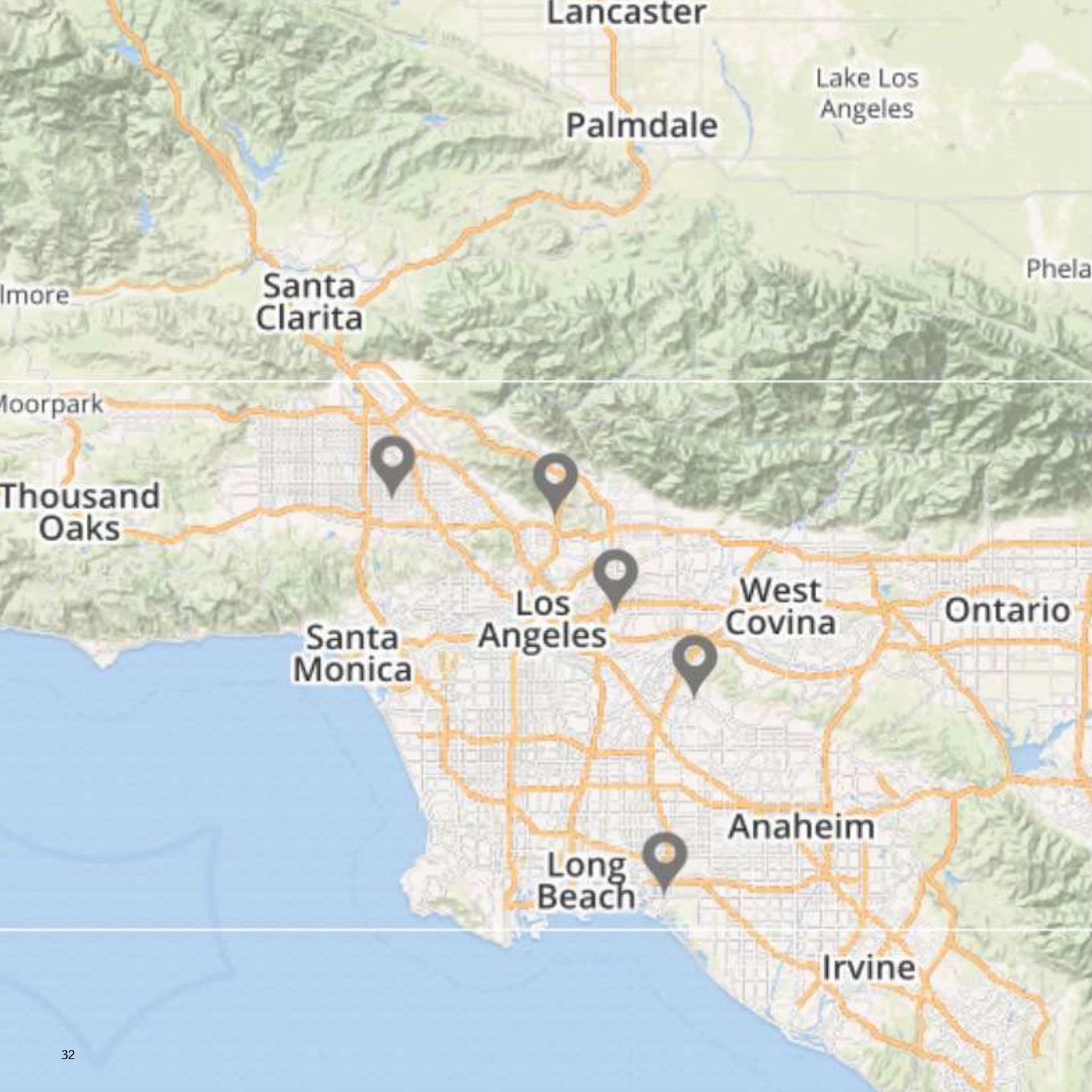




**“ Before we had light, but it wasn’t bright light because of the white plexiglass that was on them. We love that we can see the sky now. ”**

**Emily Dilbeck, homeowner**






















# Where to go for Your Replacement

When your "Why" becomes "How" use our network of certified installers to get the job done quickly and effectively. Find an installer in your area today by using our VELUX Installer Locator.

[Find an Installer](#)


















Deck-Mounted Skylight Sizes

															
	14° - 85° 3:12 - 137:12	A06	C01	C04	C06	C08	C12	D26	D06	M02	M04	M06	M08	S01	S06
Rough Opening	(W-in. x H-in.)	14 1/2 x 45 3/4	21 x 26 7/8	21 x 37 7/8	21 x 45 3/4	21 x 54 7/16	21 x 70 1/4	22 1/2 x 22 15/16	22 1/2 x 45 3/4	30 1/16 x 30	30 1/16 x 37 7/8	30 1/16 x 45 3/4	30 1/16 x 54 7/16	44 1/4 x 26 7/8	44 1/4 x 45 3/4
VSS / VSE Solar / Electric			•	•	•	•				•	•	•	•	•	•
VS Manual			•	•	•	•				•	•	•	•	•	•
FS Fixed		•	•	•	•	•	•	•	•	•	•	•	•	•	•

VSE not available in M02 size

 Model FS sizes D26 and D06 fit perfectly between roof trusses.




Curb-Mounted Skylight Sizes

																
	0° - 60° 0:12 - 20:12	1430	1446	2222	2230	2234	2246	2270	3030	3046	3055	3434	3446	4622	4646	4672
Outside Curb	(W-in. x H-in.)	17 1⁄2 x 33 1⁄2	17 1⁄2 x 49 1⁄2	25 1⁄2 x 25 1⁄2	25 1⁄2 x 33 1⁄2	25 1⁄2 x 37 1⁄2	25 1⁄2 x 49 1⁄2	25 1⁄2 x 73 1⁄2	33 1⁄2 x 33 1⁄2	33 1⁄2 x 49 1⁄2	33 1⁄2 x 58 1⁄2	37 1⁄2 x 37 1⁄2	37 1⁄2 x 49 1⁄2	49 1⁄2 x 25 1⁄2	49 1⁄2 x 49 1⁄2	49 1⁄2 x 75 1⁄2
Max. Skylight Clearance	(W-in. x H-in.)	18 5⁄8 x 34 5⁄8	18 5⁄8 x 50 5⁄8	26 5⁄8 x 26 5⁄8	26 5⁄8 x 34 5⁄8	26 5⁄8 x 38 5⁄8	26 5⁄8 x 50 5⁄8	26 5⁄8 x 74 5⁄8	34 5⁄8 x 34 5⁄8	34 5⁄8 x 50 5⁄8	34 5⁄8 x 59 5⁄8	38 5⁄8 x 38 5⁄8	38 5⁄8 x 50 5⁄8	50 5⁄8 x 26 5⁄8	50 5⁄8 x 50 5⁄8	50 5⁄8 x 76 5⁄8
VCS / VCE Solar / Electric				•		•	•		•	•		•		•	•	
VCM Manual				•		•	•		•	•		•			•	
FCM Fixed		•	•	•	•	•	•	•	•	•	•	•	•		•	•

VCE not available in 4622 size

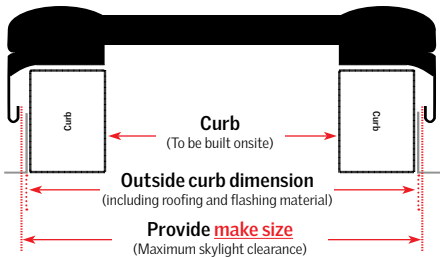
FCM custom sizes available

SkyMax Skylight Sizes

			
	1° - 60° 1/4:12 - 20:12	4896	5199
Outside Curb	(W-in. x H-in.)	48 x 96	51 x 99
Max. Skylight Clearance	(W-in. x H-in.)	49 1/4 x 97 1/4	52 1/4 x 100 1/4
GSM Fixed		•	•













GSM custom sizes available

FCM & GSM Custom Sizes



Length	Width	Production Time
18 3/4 x 72	18 3/4 to 50 3/4	8-14 days
72 1/4 to 76 1/2	18 3/4 to 50 3/4	20 days or less
We require maximum skylight clearance dimensions in 1/4" increments (0, 1/4, 1/2, 3/4) for width and height.		
Custom size flashing kits and shades are not available		
Some specialty glass options require longer lead times		




















# Self-Flashed Skylight Sizes

										
		2222	2230	2238	2246	2254	3030	3046	3054	4646
Rough Opening (W-in. x H-in.)		22 1/2 x 22 1/2	22 1/2 x 30 1/2	22 1/2 x 38 1/2	22 1/2 x 46 1/2	22 1/2 x 54 1/2	30 1/2 x 30 1/2	30 1/2 x 46 1/2	30 1/2 x 54 1/2	46 1/2 x 46 1/2
EV		•	•	•	•	•	•	•	•	•
Manual	14° - 85° 3:12 - 137:12									
EF		•	•	•	•	•	•	•	•	•
Fixed	14° - 85° 3:12 - 137:12									
QPF		•	•		•		•	•		•
Fixed	10° - 60° 3:12 - 20:12									

EVMS Solar Venting, EV, EF custom sizes available

# Sun Tunnel® Skylight Sizes



		Dome Sun Tunnel® Skylights (available with acrylic or impact domes)									Wildfire/Hurricane Sun Tunnel® Skylights			
	Model TLR	Model TCR	Model TMR		Model TGR			Model TMF		Model TGF		Model TZR	Model TZRL	Model TZRQ
	 14° - 60° 3:12 - 20:12	 0° - 60° 0:12 - 20:12	 14° - 60° 3:12 - 20:12		 14° - 60° 3:12 - 20:12			 14° - 60° 3:12 - 20:12		 14° - 60° 3:12 - 20:12		 0° - 60° 0:12 - 20:12	 10° - 60° 2:12 - 20:12	 10° - 60° 2:12 - 20:12
	 014	 014	 010	 014	 010	 014	 022	 014	 014	 022	 014	 014	 014	
Rough Opening (ceiling)	15 1/4	15 1/4	11 1/4	15 1/4	11 1/4	15 1/4	23 1/4	14 3/4	14 3/4	22 3/4	15 1/4	15 1/4	15 1/4	
Rough Opening (roof deck)	14 1/2 x 17 3/4	14 1/2 x 16 3/4	12 1/2 x 16	14 1/2 x 20	10 1/2 x 16	14 1/2 x 18	22 1/2 x 26	14 1/2 x 20	14 1/2 x 18	22 1/2 x 26	14 1/2 x 14 1/2	14 1/2 x 14 1/2	14 1/2 x 14 1/2	
Tunnel Length with Kit (ft.)	4	4	4	4	4	4	4	8	8	8	5.3	5.3	4.3	
Maximum Recommended Install Length (ft.)	30	30	20	30	20	30	40	8	8	12	30	30	30	

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