

2014 Product Guide

Skylights & Sun Tunnels

70
years
of innovation

"To lead the development of better living environments with daylight and fresh air through the roof and to be rated as the best in the eyes of our customers"

Villum Kann Rasmussen, Founder of VELUX

President's Message

We spend over 90 percent of our time indoors so it's important to ensure our indoors are as healthy for us as possible. Since 1941, VELUX has built its legacy upon designing with daylight and fresh air — two elements that contribute to our physical and mental well-being. Our commitment to better indoor living environments extends far beyond the products we sell to the ways our clients imagine, specify, install and use them to improve their quality of life.

We at VELUX continuously strive to refine the installation process through the best product design and detailing on the market. Moreover, our skylights are designed to perform in all conditions and are specifically and rigorously tested for Canadian climates. By eliminating risk and uncertainty for both the installer and customer, our product line offers unparalleled technology, water tightness and ease of installation.

Bringing light to life™

We've researched and adopted new innovations and listened to hundreds of professionals and consumers to incorporate their ideas into our latest generation of skylights. VELUX's new solar powered products provide an easy and quick replacement or new install project on any home. These come standard with a smart home touchscreen remote control to customize programs for your lifestyle. We have also developed highly energy efficient products specifically designed for flat roofs. This year also marks the introduction of Neat® glass coating on all our laminated glass for a cleaner, quieter and safer skylight.

With a product line that is the most technologically reliable on the market, responsive to professionals' needs and specifically designed for the Canadian climate, VELUX is excited to play a significant role in improving our customers' health and well-being. These are just some of the ways VELUX is proud to be "Bringing Light to Life."

Nels Moxness
President, VELUX Canada



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Inspiration. A room that will always stand out.

Kitchen with cathedral ceiling

In many kitchens the requirement for cabinets limits available wall space for windows. Skylights bring in bright, natural light without sacrificing storage space or privacy. This kitchen is now a light, airy space ideal for cooking and entertaining.

Key benefits

- Ventilation to help excess humidity and odour from cooking escape the home
- A mix of blind colours and styles elevates the design and allows full control of the sunlight
- Ability to customize opening and closing programs to suit your lifestyle

Get this look

Find these products in this brochure:

- | | | |
|---------------------------------------|---|----|
| Solar Powered Deck Mount Skylight VSS | → | 10 |
| Combi Flashings | → | 11 |
| Blinds (Blackout and Light filtering) | → | 18 |



Find a trained and certified member of the VELUX Installer Program for your area at velux.ca.

Living space in flat roof homes

Bringing natural light deep into the home is a challenge in any design but this is especially true in townhomes where up to half the exterior walls cannot have windows. Skylights offer a way to bring in natural light and open up an interior room. With a new line of products dedicated to flat roof applications, any style of home can now enjoy the dramatic benefits of natural light.

Key benefits

- Bring natural light deep into the home where vertical windows cannot reach
- Opens up any room dramatically
- Highly energy efficient flat roof skylight designed to shed precipitation and maintain high energy standards

Get this look

Find these products in this brochure:

Flat Roof Solutions (CFP)



17



Find a trained and certified member of the VELUX Installer Program for your area at velux.ca.

Inspiration. A bright way to get more out of a home.



Inspiration. Lead light
into dark spaces.



Sun Tunnels

This formerly gloomy and dark hallway is instantly improved with bright, natural light from VELUX Sun Tunnels. Specially-designed, reflective tunnels run from roof to ceiling in this simple but dramatic renovation project.

Key benefits

- Energy efficient way to bring in bright, natural light for a healthier home
- The highly-reflective tunnel directs natural daylight into the space below
- Ideal for hallways, bathrooms, stairwells, closets, long gaps between roof and ceiling or anywhere else a conventional skylight won't fit
- A newly expanded range of accessories are available

Get this look

Find these products in this brochure:

Sun Tunnel Skylights	→	14
Extensions	→	14
Accessories – Light kit	→	15



Find a trained and certified member of the VELUX Installer Program for your area at velux.ca.

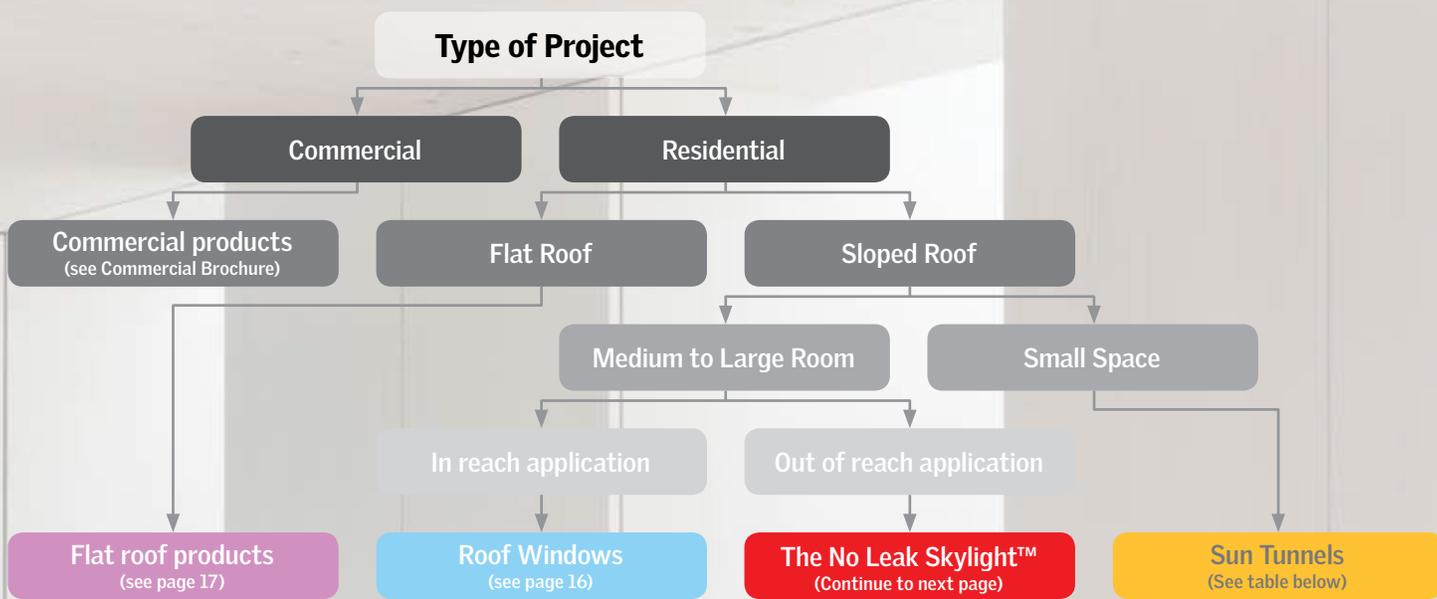
Finding the right product

At VELUX, we're constantly improving and expanding our range of products. With so much to offer, sometimes all the information and options can seem overwhelming. To help ensure you get the most out of the information available, we've built a step-by-step guide to finding the right product for you.

Turn the page to get started.

How to choose your skylight

This is your simple, step-by-step guide to our range of products and accessories. We believe that bringing more light into any building project can make a real difference to the outcome. We understand what products are right for individual projects and want to help you get the end result you're dreaming of. To start, work through the flowchart to find out which product line best suits your project.



Choosing your Sun Tunnel (pg 14)

We know what products are right for a project, but you know what you want out of the room. To help you find the right Sun Tunnel, answer the Yes/No questions to determine which individual model suits you best and meets everything you're looking for.

Model code	TMR	TGR	TLR	TCR	TMF	TGF
My roof pitch is 14-60°	•	•	•		•	•
My roof pitch is 0-30°				•		
My roof faces North, East or West	•			•	•	
I have a flat roof				•		
I want my Sun Tunnel to blend into the roofline		•	•	•		•
I have major obstructions in my attic to work around					•	•
I need <150sq.ft. of light	•	•	•	•	•	•
I need 150-200sq.ft. of light	•	•	•	•	•	
I need 200-325sq.ft. of light	•	•		•		•



Choosing your No Leak Skylight™

1. Are you replacing an existing skylight or adding a new one?

In either case, both the Deck and Curb Mounted Skylights are applicable. Which you choose is simply an installation preference.

Skylight replacement: VELUX recommends a Solar Powered Venting Skylight. With no wiring involved, the installation is as simple and fast as installing a simple fixed skylight with the added benefit of ventilation.

For additional control over the daylight entering your home, add blinds to any skylight. See page 18 for the full colour and style range available.

2. Which room are you putting your skylight in?

Kitchen, bathroom with a shower or at the top of stairs: Venting skylights allow humidity and odours to escape. They also allow hot stale air that gathers near the top of the home to escape which helps your air conditioner run more efficiently and smoothly in the summer.

Walk-in closet or room at the center of the house: Take a second look at Sun Tunnels. They are ideal for reaching parts of your home that have a large gap between the roof and ceiling and light up smaller spaces easily. *Learn more about Sun Tunnels on page 14.*

3. What are you trying to achieve with your project?

Drama and optimizing daylight: Where you place your skylights has a major effect on the renovation. If you're trying to cover a large space, consider adding multiple skylights with our combi flashing system. *To learn more, see page 11.*

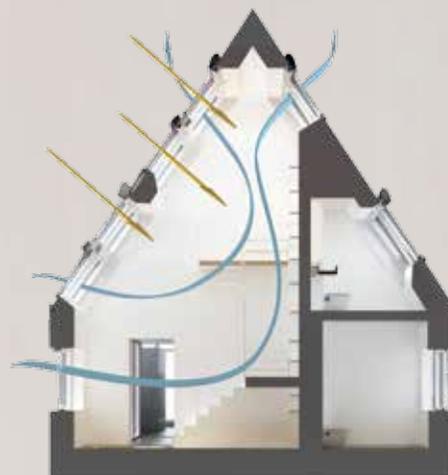
Better ventilation: Our Solar Powered Skylights require no wiring for a fast and simple installation with all the benefits of fresh air. They also come standard with an insect screen, programmable remote control and rain sensors to close the skylight in inclement weather. *See pages 10 to 13 for all your ventilation options.*

Skylight addition: VELUX recommends a deck mounted skylight for its increased energy efficiency and ease of installation. *See page 10 for a closer look at Deck Mounted Skylights.*

TV room, bedroom or reading room: VELUX recommends blinds to help control glare and heat gain. Three styles of blind allow you to choose which light control best suits your room from diffusing the light to fully blocking it. *Learn more about blinds on page 18.*

Controllable daylight: With three styles of blinds in over 90 colours, we have the right blind to suit any project and afford the ultimate control over your daylight. *See page 18 for your blind options.*

Energy efficiency and noise reduction: Consider carefully what glazing you choose. Our laminated glazings come standard with Neat coating as well as increased noise reduction and energy efficiency. They also have the added bonus of being safer and easier to keep clean than regular tempered glass. *To learn more, see page 20.*



Light



Ventilation



View



VELUX
Recommended

The VELUX Recommended mark designates products we recommend for their ease of installation, greatest benefit to a healthy lifestyle and elevated energy efficiency.

Deck Mounted Skylights

The No Leak Skylight™



Neat® glass coating now available!

- Neat® glass coating now standard on all laminated glazings (CleanComfortPlus and CleanEnergyPlus)
- Neat® glass removes dirt more quickly and reduces water spots, keeping skylights cleaner, longer
- Laminated glazings also reduce unwanted outside noise and are safer to install

 Pre-attached deck seal provides a seal between the frame and roof deck for leak-proof installations.

 Laminated glass now comes standard with Neat® coating to keep your skylight cleaner, longer.

 Pre-painted white frames eliminate need for a painter.

 Comes with 20 feet of standard wire (VSE model) or solar panel (VSS model) and remote control.



Clean



Quiet



Safe

Key Features

- Ideal for new construction projects
- Integrated gaskets drain condensation to the outside
- Streamlined exterior profile does not obstruct your roofline
- Pre-installed Pick&Click™ brackets for easy blind installation



Model Features

- **VSS Solar Powered** model requires no wiring and is fully functional regardless of time of day
- **VSS** and **VSE** models come standard with remote control, insect screen and rain sensors to close at the first drop of rain
- **VS** model includes insect screen and operator hook. Control rods are available for out of reach application or handles for in reach
- **FSR** replacement series skylight available for replacing outdated skylights (such as self-flashed) with little trim needed. Call for pricing
- **FS** ideal for visually expanding areas and delivering abundant natural light

Model code	VSS	VSE	VS	FS
The room could use more fresh air	•	•	•	
It is a high-humidity room such as a kitchen or bathroom	•	•	•	
I want to lower my air conditioning bill	•	•	•	
I'm worried I'll forget to close my skylight when it rains	•	•		
My room has plenty of natural cross-ventilation				•

Step 1: Pick your model

See page 24 for sizes

VSS – Solar Powered Venting



VSE – Electric Venting



VS – Manual Venting



FS – Fixed

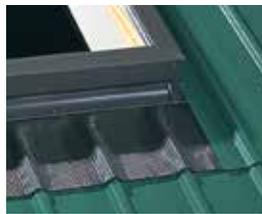


Step 2: Pick your flashing & glazing



EDL – Shingles/shakes

Step flashing pieces interweave with roofing material for proper water drainage



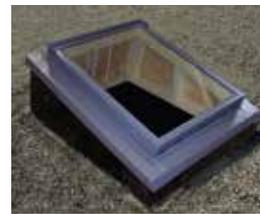
EDM – Metal roof flashing

Flashing pieces interlock with roofing material for a weather tight installation



EDW – High profile flashing

Flashing kit for high profile roofing materials such as concrete tiles, Spanish tiles, cedar shakes, etc.



ECB – Low slope flashing

Used with site-built curb on low-slope roofs



EKL/EKW – Combi flashing

Used to install multiple skylights in groups for dramatic installations



NEW Glazing Options

CleanEnergyPlus and CleanComfortPlus glazings are both laminated glass with the Neat® coating for a cleaner, quieter and safer skylight. Comfort glazing is a tempered glass for basic applications. See page 20 for details.

VELUX flashing is needed for full warranty on skylights

Step 3: Pick your blind & accessories



Blinds

With over 90 colour blinds in 3 styles to choose from, a VELUX blind will accent any space in your home. See page 19 for the full line.

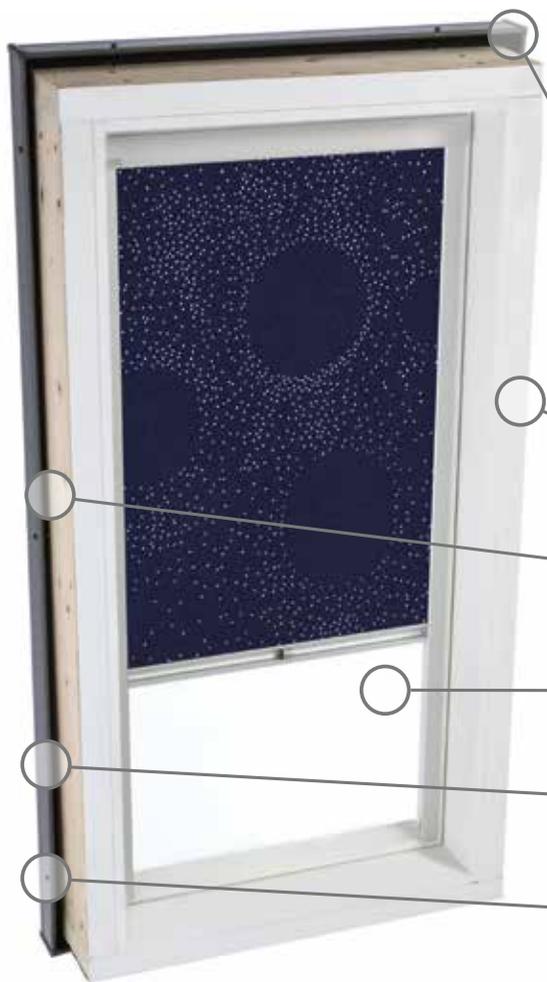


Smart touchscreen remote

Included with VSS and VSE skylights is the intelligent touchscreen remote control. Its touch-sensitive screen and easy-to-understand icons make programming skylights simpler than ever. For other accessories, see page 21.

Curb Mounted Skylights

The No Leak Skylight™



Neat® glass coating now available!



Corner key design eliminates water hazards.



Finished white frame to sit on site built curb (curb not included).



Dual gasket system seals to the curb, preventing water and air infiltration.



Laminated glass now comes standard with Neat® coating to keep your skylight cleaner, longer.



Durable neutral grey colour aluminium frame for long life on the roof in extreme climates.



Exterior fasteners save time and eliminate the need to enter into a home during installation.

- Neat® glass coating now standard on all laminated glazings (CleanComfortPlus and CleanEnergyPlus)
- Neat® glass removes dirt more quickly and reduces water spots, keeping skylights cleaner, longer
- Laminated glazings also reduce unwanted outside noise and are safer to install



Clean



Quiet



Safe

Key Features

- A quick and easy solution for replacing plastic or clear glass skylights
- Simple to install; easily fits over existing curbs

Model Features

- **VCS Solar Powered** model requires no wiring and is fully functional regardless of time of day
- **VCS** and **VCE** models come standard with remote control, insect screen and rain sensors to close at the first drop of rain
- **VCM** model includes insect screen and operator hook. Control rods are available for out of reach application or handles for in reach
- **FCM** model is ideal for replacing outdated skylights and can be installed sideways (flashing determined by horizontal dimension)
- **FCM** model available in custom sizes to meet your specific requirements



Installation under 14° is not recommended where humidity or condensation is a concern

Model code	VCS	VCE	VCM	FCM	FCM (custom)
The room could use more fresh air	•	•	•		
It is a high-humidity room such as a kitchen or bathroom	•	•	•		
I want to lower my air conditioning bill	•	•	•		
I'm worried I'll forget to close my skylight when it rains	•	•			
I want a large skylight designed specifically to fit my room					•
My room has plenty of natural cross-ventilation				•	•

Step 1: Pick your model

See page 26 for sizes

VCS – Solar Powered Venting



VCE – Electric Venting



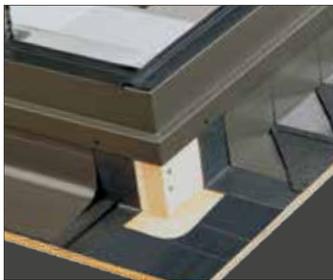
VCM – Manual Venting



FCM – Fixed
Custom FCM – Custom Size Fixed



Step 2: Pick your flashing & glazing



ECL – Shingles/shakes

Step flashing pieces interweave with roofing material for proper water drainage. For use with shingles or shakes less than 3/4" thick.



ECW – High profile flashing

Flashing kit for high profile roofing materials such as concrete tiles, Spanish tiles, cedar shakes, etc. For use with metal roofing, tiles or shakes more than 3/4" thick.



NEW Glazing Options

CleanEnergyPlus and CleanComfortPlus glazings are both laminated glass with the Neat® coating for a cleaner, quieter and safer skylight. Comfort glazing is a tempered glass for basic applications. See page 20 for details.

Flat roof flashing constructed by installer on site. Visit our website for curb instructions.

Step 3: Pick your blind & accessories



Blinds

With over 90 colour blinds in 3 styles to choose from, a VELUX blind will accent any space in your home. See page 19 for the full line.



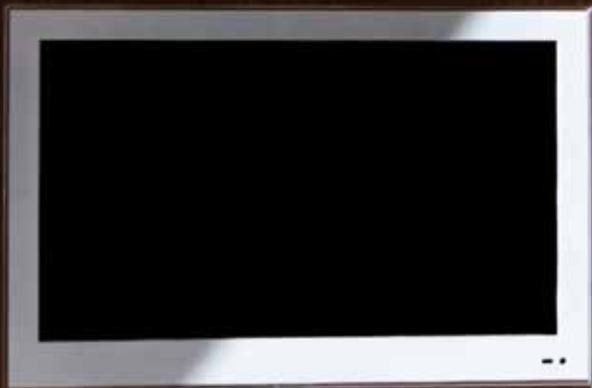
Smart touchscreen remote

Included with VCS and VCE skylights is the intelligent touchscreen remote control. Its touch-sensitive screen and easy-to-understand icons make programming skylights simpler than ever. For other accessories, see page 21.

Sun Tunnel Skylights

VELUX Sun Tunnels provide an energy efficient source of bright natural light in smaller spaces where skylights won't fit or reach when the distance between the roof and ceiling is too long.

New in 2014, VELUX introduces the Next Generation Sun Tunnel. The updated design includes a wide range of accessories to help you customize the light in your home. Further design improvements to the elbows, pitch adaptor and our unique Flexi Loc™ system reduce installation time in half.



Elbows pitch adaptor



NEW!
Easier
install

Flexi Loc™ system



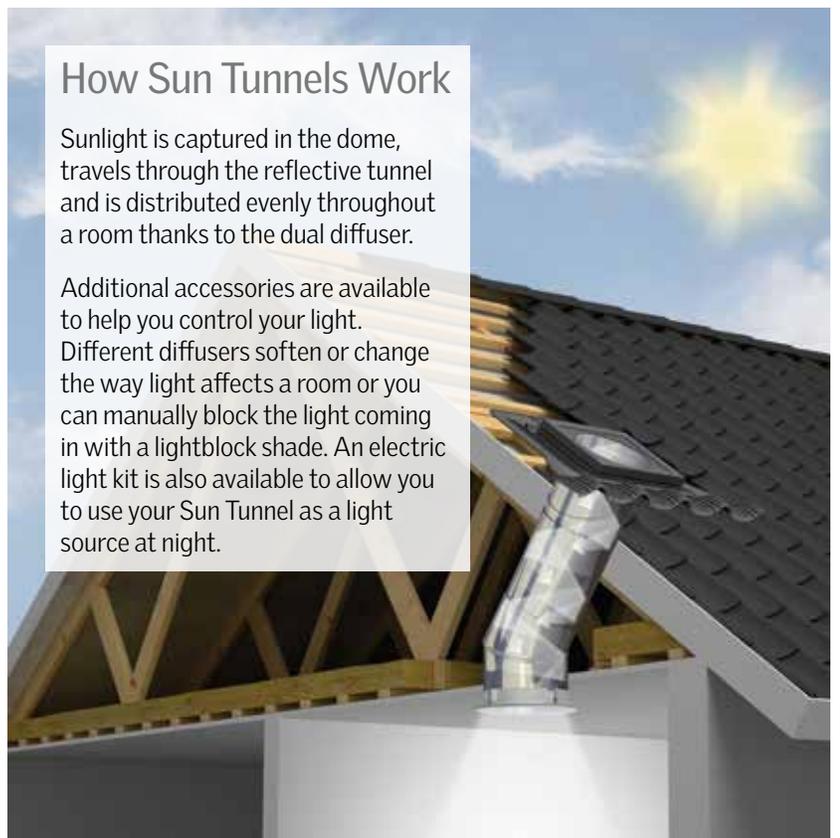
Diffuser plates



How Sun Tunnels Work

Sunlight is captured in the dome, travels through the reflective tunnel and is distributed evenly throughout a room thanks to the dual diffuser.

Additional accessories are available to help you control your light. Different diffusers soften or change the way light affects a room or you can manually block the light coming in with a lightblock shade. An electric light kit is also available to allow you to use your Sun Tunnel as a light source at night.



Sun Tunnel Skylight Installation Options

Seamless one-piece flashing for leakproof installations

See page 30 for sizes



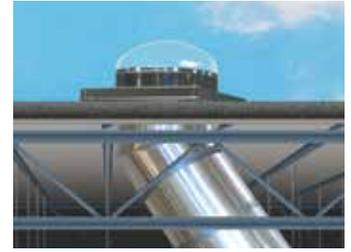
TMR – Pitched flashing rigid tunnel. Most commonly used model. Highest light output.



TGR – Low profile flashing rigid tunnel. Balances high light output and sleek exterior appearance.



TLR – Low profile glass design creates sleek appearance on any roofline. Available in 14" rigid model only.



TCR – Flat roof flashing rigid tunnel.



TMF – Pitched flashing flexible tunnel.



TGF – Low profile flashing flexible tunnel.

Maximum recommended run length for Rigid Sun Tunnels up to 18'

Maximum recommended run length for Flexible Sun Tunnels up to 12'

Sun Tunnel Accessories



ZTB - NEW Decorative diffuser
Ceiling level decorative diffusers for VELUX Sun Tunnel skylights that transforms daylight into a decorative style that complements any décor.



ZTB 3021US
Brushed Nickel



ZTB 3022US
Polished Brass



ZTB 3023US
Oil Rubbed Bronze



ZTB 3020US
White



ZTC 02 - NEW Fresnel diffuser plate
Ceiling level diffuser with unique concentric honeycomb parabolic prisms to maximize light diffusion.



ZTC 03 - NEW Prismatic diffuser plate
Ceiling level diffuser with uniform prisms to diffuse the light evenly.



ECW - NEW Tile flashing for curb mount Sun Tunnels
A pliable, pleated curb mount tile flashing system designed for tile roofing material. For TCR model only.



ZTK – Lightblock shade (manual)
Allows you to block the light emitted by the Sun Tunnel skylight.



ZTC 41 - NEW Energy kit
Increases the energy efficiency of VELUX Sun Tunnels and ensures Energy Star® qualification.



ZTL – Electric light kit
Allows you to use the Sun Tunnel as a light source even at night.

Roof Windows



PRODUCT INFO

GGU | Pivoting roof window*




18.5°-85°
4:12 - 137:12

- Timber core with moulded white polyurethane finish.
- For within reach installations such as attics and bonus rooms.
- The window swivels 180° in its frame for easy and safe cleaning.
- Ventilation flap opens for limited ventilation.
- Optional insect screen and blinds available.

GPU | Top hinged roof window*




18.5°-55°
4:12 - 17:12

- Timber core with moulded white polyurethane finish.
- Opens to a 45° angle to satisfy egress requirements for emergency escape (check local building code).
- Window rotates 180° and locks in place for easy cleaning of outer pane.
- Ventilation flap opens for limited ventilation.
- Optional insect screen and blinds available.

GDL | Balcony roof window




35.25°-53°
8.5:12 - 15:12

- Dual-sash operation: Top opens for ventilation and bottom opens outward to create a cabrio balcony.
- Top sash rotates inward for easy glass cleaning from inside.
- Optional insect screen and blinds available.
- Available in varnished pine or painted white.

*See page 28 for sizes

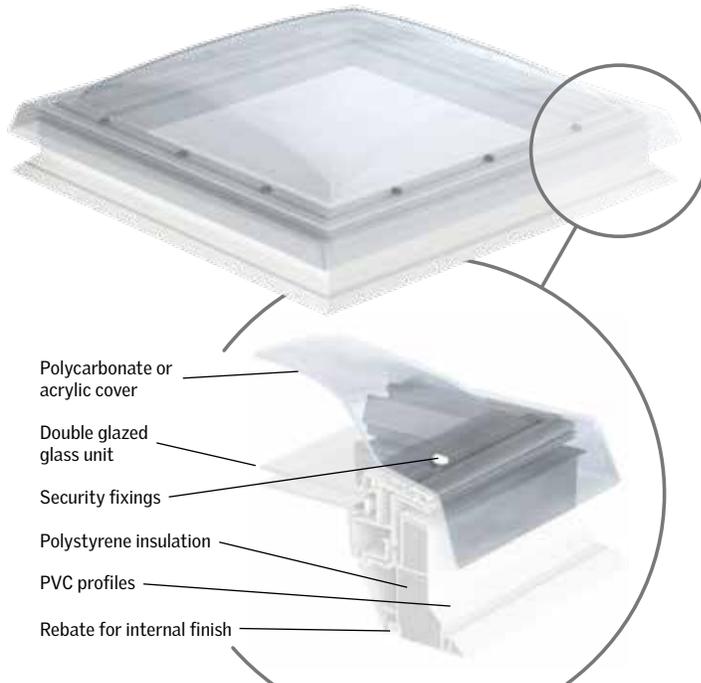
Flat Roof Solutions

See page 31 for sizes



Opening up a flat roof with a skylight or Sun Tunnel can fill a forgotten space with light, transforming a room. VELUX offers a range of options for flat roofs – all designed to keep heat loss to a minimum, make the most of solar gain and let in natural daylight. Just choose the one that suits you best, then sit back and enjoy the benefits!

CFP – Flat roof skylight



- Highly energy efficient, innovative solution for bringing large amounts of sunlight through a flat roof.
- Double glazed window with protective polycarbonate or acrylic cover.
- Polycarbonate cover provides excellent sound insulation from rain and hail.
- Available as large as 5' x 5'.

Curb mounted skylights



- Tested for flat roof applications where high humidity is not a concern.
- A curb must be built to local building code.
- VELUX will supply curb drawings upon request. Please call for details.

CXP - Flat roof exit



- Provides roof access to flat roofs.
- Sleek internal appearance with a 60° opening angle.
- Outer dome available in polycarbonate or acrylic.
- Available as large as 4' x 4'.

TCR - Flat roof Sun Tunnel



- Effective lighting area: up to 325 square feet (14" model).
- Run length is calculated based on vertical drop and accounts for standard 1" overlap between components.
- Available in 14" diameter. For 14" model, see page 15.

Blinds



Inviting the light into your home improves any space, but how you manage it is just as important. Thanks to our extensive range of specially designed blinds, you can control not only the amount of light a room receives, but its direction and quality.

The VELUX Blinds Collection now includes over 90 colours to choose from in 3 different styles. Make a design statement in any room while controlling your environment with ease!

Operation Options



Manual Operation

- Blind is lowered and raised manually with a control rod.
- 3' rod extends to 6' (sold separately).



Solar Powered or Electrical Operation



- RF (radio frequency) remote control allows you to operate a blind from anywhere in the house. (Included with electric or solar powered skylights).
- Advanced programmable, remote provides features such as setting blinds to operate at certain times of day.



Solar Powered (with keypad)

- Blind operates with a wireless, radio frequency keypad for simple operation. Included with solar blinds.

Pick&Click!®



- Easy for DIYers, pre-mounted brackets make installation of blinds simple and quick. Or you can choose to have your blinds pre-installed by VELUX for free!

Available Blind Options



Blackout Blind

Blocks the light (ideal for bedrooms or TV rooms). Provides the best privacy. Improvement in energy performance rating by adding blind as much as 45% (see page 31 for example).



Light Filtering Blind

Diffuses the light while controlling direct sunlight and glare. Provides basic privacy. Improvement in energy performance rating by adding blind as much as 39% (see page 31 for example).



Venetian Blind

Allows for ability to control the direction and amount of incoming light. Maintains view of outdoors. Improvement in energy performance rating by adding blind as much as 34% (see page 31 for example).

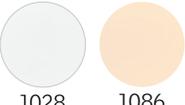
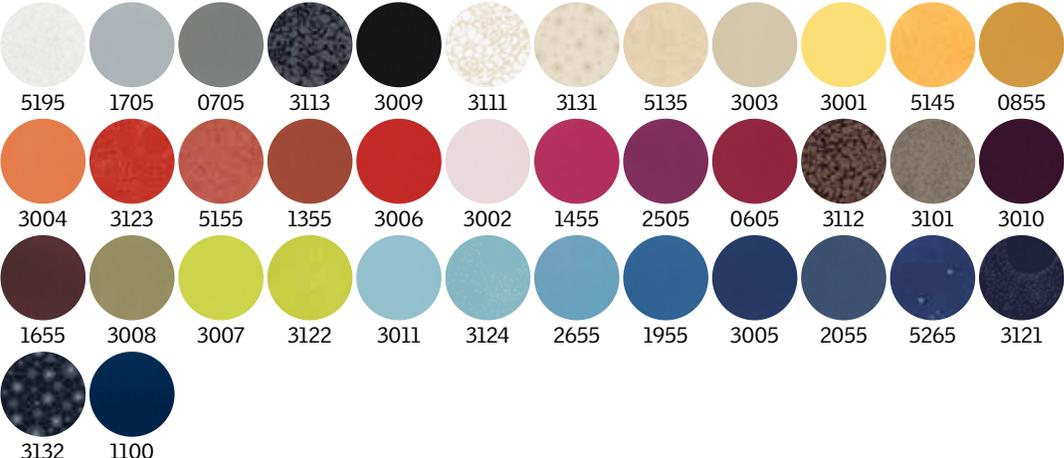


Duo Blind

Both a blackout blind and pleated blind in one. Combines total blackout with light diffusing in any ratio on any level on the window. Available in white/beige. (Roof window only)

Colour Options

Ask to have them **pre-installed for free** (In-stock blinds only, allow 3-5 days for delivery).
Not all blind styles are available for all skylight and roof window models.

	In-stock Blinds	Special Order Blinds (Allow up to 6 weeks for delivery and shipped separately when ordered with skylight).
Venetian	 7001	 9150 7015 4459 7013 7014 7010 7012 7011
Light Filtering	 1028 1086	 4070 4100 4120 4110 4111 4122 0710 4077 4069 4000 4080 4121
Blackout	 1025 1085	 3004 3123 5155 1355 3006 3002 1455 2505 0605 3112 3101 3010 1655 3008 3007 3122 3011 3124 2655 1955 3005 2055 5265 3121 3132 1100

Glazings

NEW!

Choosing the right glass

VELUX glass has an advanced LoE³ protective coating that provides maximum daylight and heat control for year-round comfort and energy savings. All glazings offer some degree of protection from heat loss & gain, fading and sound.

VELUX Laminated glazings now include the Neat[®] glass coating. Neat[®] glass keeps your skylight cleaner, longer so they appear virtually spotless. Laminated glass also significantly reduces unwanted outside noise, improves energy efficiency and is safer to install in your home.

Laminated glass with Neat[®] coating (04/06 codes)

Tempered glass (05 Code)

Laminated glass with Neat[®] coating

The smoother surface disperses water evenly, removing dirt more quickly and reducing water spots. Dual pane laminated glass is standard on VSS, VSE, VS, VCS, VCE, VCM models.



CleanComfortPlus glass (04 code)

- Exterior tempered safety glass
- Triple coated with Low-E, dual sealed and injected with Argon gas
- Laminated interior pane for added safety and protection from UV rays
- Excellent energy efficiency and thermal performance



CleanEnergyPlus glass (06 code)

- Exterior tempered safety glass
- Triple coated with Low-E, dual sealed and injected with Argon gas
- Extra thick laminated interior pane designed for safety and energy efficiency
- Three times more protection against solar heat gain

Benefits of Laminated Glass



Clean

- Features Neat[®] glass coating to keep your skylight cleaner, longer, leaving skylights virtually spotless



Quiet

- Reduce unwanted outside noise by up to 25% less than a standard double pane glass, and up to 50% less than a plastic skylight



Safe

- VELUX recommends laminated glass for out of reach applications



Hail warranty

- 10 year warranty on laminated glass with Neat[®] coating on cracking or breakage due to hail.

Tempered glass

Tempered glass is very strong and energy efficient however it does not have the superior cleaning ability or noise reduction of laminated glass.



Comfort glass (05 code)

- Exterior and interior tempered safety glass
- Triple coated with Low-E, dual sealed and injected with Argon gas
- High energy efficiency and thermal performance
- Protects against fade-causing UV rays

VELUX offers numerous types of glass variations including different surface coatings, tempered panes and laminated panes for safety, strength, privacy and light control. Please call for details.

ComfortPlus glass for Roof Windows includes a single layer of LoE. Other glazings available, call for details.

 VELUX Recommended

Accessories

Manual operation



ZXT 200 – 3' - 6' telescopic rod

A telescopic rod for operation of out of reach manual blinds. 3' extension available (ZCT 100).

Models: all skylight manual blinds



ZCT 300 – 6' - 10' telescopic rod

A telescopic rod to operate manual venting skylights with a smooth-turning operation. 3' extension available (ZCT 100).

Models: VS, VCM



ZZZ 201 & ZZZ 212 – Crank handle

A crank handle that operates within reach manual venting skylights.

Models: VS (ZZZ 201), VCM (ZZZ 212)



ZZZ 203 – Adaptors

Angle adaptor allows operation on a steeper pitch.

Models: VS, VCM



ZZZ 213B – Trim kit

Fills drywall groove to provide a clean interior finish on replacement projects preventing the need for interior trim work. 2 kits are needed for sizes S06, C12 and M08.

Models: VSE, VS, FS

Electrical operation



KLF 100 – Home automation integration kit

Provides two advanced functions: it acts as a repeater that extends the RF range for large spaces as well as an interface unit which allows operation via external systems in your home.

Models: VSS, VSE, VCS, VCE



KLB 100 – Battery backup

Allows limited operation of electric skylights during a power failure. One needed per applicable skylight.

Models: VSE, VCE



NEW KLR 200 – Advanced RF (radio frequency) remote

Advanced RF technology allows the user to operate skylights and blinds from anywhere in the house with a touchscreen remote.

Models: VSS, VSE, VCE, VCS (Included)



KLI 110 – RF keypad

Simple operation of blinds. Operates wirelessly and can be wall mounted. Included with solar blinds for manual or fixed skylights.

Technical Values

Testing data : For more detailed product information and for data updates visit our website at velux.ca. (User is advised to verify critical values have not changed since publication.)

VELUX glass Skylights & Sun Tunnels are rated at 20° slope and labelled with NFRC-certified U-Value, SHGC, and VT ratings listed in the NFRC Certified product directory.

Deck Mount Skylights

Glass	VSS/VSE/VS [†]		FS [†]		
	04	06	04	05	06
Energy Star Zone(s)	ABC	ABC	AB	AB	ABC
U-Value*	2.38 (0.42)	2.27 (0.40)	2.50 (0.44)	2.53 (0.45)	2.36 (0.42)
SHGC**	0.23	0.23	0.26	0.26	0.26
VT***	0.53	0.52	0.60	0.61	0.60
Class	CW-PG50 (CW-PG80)	CW-PG65 (CW-PG50)	CW-PG55 (CW-PG80)	CW-PG35 (CW-PG80)	CW-PG50 (CW-PG70)
Size Tested	1136 x 1175 mm (802 x 1419 mm)	1149 x 1176 mm (776 x 1395 mm)	1136 x 1175 mm (776 x 1395 mm)	1136 x 1175 mm (776 x 1395 mm)	1136 x 1175 mm (776 x 1395 mm)
Design Pressure	11270 Pa (12950 Pa)	9590 Pa (11030 Pa)	6230 Pa (10790 Pa)	11990 Pa	9590 Pa
Water Penetration Resistance Test Pressure	720 Pa				
Canadian Air Infiltration/ Exfiltration	Fixed	A3	Fixed	Fixed	Fixed

Curb Mount Skylights

Glass	VCS/VCE/VCM ^{††}		FCM ^{†††}	
	04	04	05	06
Energy Star Zone(s)	N/A	A	A	AB
U-Value*	3.01 (0.53)	2.73 (0.48)	2.78 (0.49)	2.61 (0.46)
SHGC**	0.24	0.27	0.27	0.27
VT***	0.55	0.63	0.64	0.62
Class	CW-PG40	CW-PG90 (CW-PG75)	CW-PG100	CW-PG60
Size Tested	1302 x 1302 mm	1301 x 1295 mm (691 x 1911 mm)	1301 x 1295 mm	1301 x 1295 mm
Design Pressure	7920 Pa	8390 Pa (7190 Pa)	5027 Pa	4788 Pa
Water Penetration Resistance Test Pressure	720 Pa	720 Pa	720 Pa	720 Pa
Canadian Air Infiltration/ Exfiltration	Fixed	Fixed	Fixed	Fixed

Sun Tunnel Skylights with Energy Kit ZTC 41

Model	TGF	TMF	TGR	TMR	TCR	TLR
Energy Star Zone(s)	ABCD	ABCD	ABCD	ABCD	ABCD	N/A
U-Value*	2.13 (0.38)	2.13 (0.38)	2.13 (0.38)	2.13 (0.38)	2.13 (0.38)	N/A
SHGC**	0.37	0.37	0.37	0.37	0.37	N/A
Class***	CW-PG95	CW-PG95	CW-PG95	CW-PG95	CW-PG125	CW-PG170
Size Tested	559mm (022)	559mm (022)	559mm (022)	559mm (022)	356mm (014)	356mm (014)
Design Pressure	+9476/-4549	+9476/-4549	+9476/-4549	+9476/-4549	+9576/-5985	+11970/-8140
Water Penetration Resistance Test Pressure	720	720	720	720	720	720
Canadian Air Infiltration/ Exfiltration	Fixed	Fixed	Fixed	Fixed	A3	Fixed

*U-Value - W/m²K (BTU/ h ft² F) ** SHGC - Solar Heat Gain Coefficient *** Visible Transmittance
[†]Tested up to size S06 and (M08) ^{††}Tested up to size 4646 ^{†††}Tested up to size 4646 and (2270)

Limited Warranty Summary

This Warranty applies to products manufactured as of January 1st, 2010.
Please contact VELUX for warranty information for product manufactured prior to 2010.

VELUX Skylights & Roof Windows

- 10 YEARS:** Part for defective skylights, roof windows and flashings.
- 10 YEARS:** Laminated glass with Neat® coating on cracking or breakage due to hail.
- 20 YEARS:** Parts on seal failure (moisture between glass panes).

VELUX Sun Tunnel Skylights

- 10 YEARS:** Parts (corrosion and deterioration).

VELUX Electrical Systems, Sunscreening Accessories & Commercial Skylights

- 5 YEARS:** Parts for electrical systems and sunscreening accessories.

Limited labour warranty included. See velux.ca or call for details.

Certifications

VELUX Skylights and Sun Tunnel Skylights, including VSS, VSE, VS, FS, VCS, VCE, VCM, FCM, TMR, TGR, TCR, TMF and TGF have been certified to the following standards:

- **AAMA/WDMA/CSA 101/I.S.2/A440-08** NAFS – North American Fenestration Standard/Specification for Windows, Doors, and Skylights
- **A440S1-09** Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, NAFS



WDMA
Hallmark Certified

NOTICE

All glass may be subject to unexpected and spontaneous breakage in rare circumstances due to imperfections in the glass that are undetectable during the manufacturing and inspection process by the manufacturer of the glass and VELUX. VELUX offers the choice of laminated or tempered glass skylights. Laminated glass is a combination of two or more glass sheets with one or more interlayers of plastic (PVB) or resin. In case of breakage, the interlayer is designed to hold the fragments together. Tempered glass does not contain an interlayer to hold the fragments together. Instead, tempered glass is designed

to break into small, pebble-like pieces. When tempered glass breaks, pieces of glass come loose and may strike an individual. Consult local regulations and/or building material consultants to determine which type of glass is right for you or if laminated glass is required in your application.

The pricing listed is suggested retail, dealer may sell for more or less. Shipping is included on all skylight, Sun Tunnel Skylight and roof window orders. All other orders are subject to a \$15 freight charge.

Deck Mount Models

VSS – Solar Powered Venting



VSE – Electric Venting



VS – Manual Venting



FS – Fixed



Step 1: Pick your model

Deck Mount Models



Size code		A06	C01	C04	C06	C08	C12	D26	D06	M02	M04	M06	M08	S01	S06
Outside frame (W" x H")		15 1/4 x 46 1/4	21 1/2 x 27 3/8	21 1/2 x 38 3/8	21 1/2 x 46 1/4	21 1/2 x 54 15/16	21 1/2 x 70 3/4	23 3/4 x 23 3/8	23 3/4 x 46 1/4	30 3/16 x 30 1/2	30 3/16 x 38 3/8	30 3/16 x 46 1/4	30 3/16 x 54 15/16	44 3/4 x 27 3/8	44 3/4 x 46 1/4
Rough opening/ Finished framing (W" x H")		14 1/2 x 45 3/4	21 x 26 3/8	21 x 37 3/8	21 x 45 3/4	21 x 54 1/16	21 x 70 1/4	22 1/2 x 22 15/16	22 1/2 x 45 3/4	30 3/16 x 30	30 3/16 x 37 3/8	30 3/16 x 45 3/4	30 3/16 x 54 1/16	44 3/4 x 26 3/8	44 3/4 x 45 3/4
Model code	Glazing (pg. 20)	Availability													
VSS	CleanComfortPlus (04)	N/A	•	•	•	•	N/A	N/A	N/A	•	•	•	•	•	•
	CleanEnergyPlus (06)	N/A	•	•	•	•	N/A	N/A	N/A	•	•	•	•	•	•
VSE	CleanComfortPlus (04)	N/A	•	•	•	•	N/A	N/A	N/A	N/A	•	•	•	•	•
	CleanEnergyPlus (06)	N/A	•	•	•	•	N/A	N/A	N/A	N/A	•	•	•	•	•
VS	CleanComfortPlus (04)	N/A	•	•	•	•	N/A	N/A	N/A	•	•	•	•	•	•
	CleanEnergyPlus (06)	N/A	N/A	•	•	•	N/A	N/A	N/A	•	•	•	•	•	•
FS	CleanComfortPlus (04)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Comfort (05)	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	CleanEnergyPlus (06)	•	•	•	•	•	N/A	•	•	•	•	•	•	•	•

Handle not included for VS model, order separately

Step 2: Pick your flashing

Flashing Systems (Required for full warranty)

NOTE: For combi flashing see page 28

Size code		A06	C01	C04	C06	C08	C12	D26	D06	M02	M04	M06	M08	S01	S06
Flashing systems (pg. 11)	Model code	Availability													
Step flashing*	EDL	•	•	•	•	•	•	•	•	•	•	•	•	•	•
High profile flashing*	EDW	N/A	•	•	•	•	•	N/A	•	•	•	•	•	•	•
Metal roof flashing*	EDM	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Low slope counter flashing***	ECB	N/A	•	•	•	•	N/A	N/A	N/A	•	•	•	•	•	•

EDW flashing is not available for VSS model skylight

Step 3: Pick your blind & accessories

Blinds

Size code	A06	C01	C04	C06	C08	C12	D26	D06	M02	M04	M06	M08	S01	S06
Blinds (pg. 18)	Availability													
Pre-installed blinds available at no additional cost*														
Manual blind**	•	•	•	•	•	N/A	•	•	•	•	•	•	•	•
Solar powered blind**	N/A	•	•	•	•	N/A	•	•	•	•	•	•	•	•

Blind Options

Available blind options	Model code for	
	VSS/VSE/VS	FS
Solar blackout	DSH	DSD
Solar light-filtering	RSH	RSD
Manual blackout	N/A	DKD
Manual light-filtering	N/A	RFD
Manual venetian	N/A	PAD

Accessories (See page 21)

Electrical options	Model code
Home automation integration kit	KLF 100
Replacement remote control	KLR 200
Battery backup (for VSE model)	KLB 100
Optional wireless keypad	KLI 110
Manual operation options	Model code
3'-6' Telescopic rod for manual blinds	ZXT 200
6'-10' Manual telescopic rod (for VS model)†	ZCT 300
2' Manual rod (for VS model)†	ZOZ 032
3' Extension to ZCT 300 and ZOZ 032	ZCT 100
Crank handle (for VS model)†	ZZZ 201
Extension for VS crank handle	ZZZ 208
VS Hook with angle adaptor	ZZZ 203
Replacement VS hook	ZZZ 202
Miscellaneous	Model code
Skylight trim kit	ZZZ 213B

Colour Options

Venetian	Light Filtering	Blackout
In-stock Blinds		
Special Order Blinds (Allow up to 6 weeks for delivery and shipped separately when ordered with skylight).		



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*Includes adhesive underlayment. **Includes wireless keypad. ***For installation of deck mount skylights on a flat or low slope roof. Call VELUX for details. †Manual rod or crank handle required to operate manual skylight. ††Control rod required for out-of-reach operation, see optional accessories. ‡Lead time is an additional 3-5 days for pre-installed blinds, must be requested when ordered. Special order - Copper cladding, natural wood frame and special glazings available - Call for pricing.

Curb Mount Models

VCS – Solar Powered Venting

VCE – Electric Venting

VCM – Manual Venting

FCM – Fixed
Custom FCM – Custom Size Fixed



Step 1: Pick your model

Curb Mount Models

FCM skylights can be installed sideways.
Flashing determined by horizontal dimension.
Installation under 14° is not recommended where
humidity or condensation is a concern.



Size code		1430	1446	2222	2230	2234	2246	2270	3030	3046	3434	4646
Inside curb/Rough opening (W" x H")		14 1/2 x 30 1/2	14 1/2 x 46 1/2	22 1/2 x 22 1/2	22 1/2 x 30 1/2	22 1/2 x 34 1/2	22 1/2 x 46 1/2	22 1/2 x 70 1/2	30 1/2 x 30 1/2	30 1/2 x 46 1/2	34 1/2 x 34 1/2	46 1/2 x 46 1/2
Outside curb (W" x H")		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	37 1/2 x 37 1/2	49 1/2 x 49 1/2
Maximum Skylight Clearance (W" x H")		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	38 5/8 x 38 5/8	50 5/8 x 50 5/8
Model code	Glazing (pg. 20)	Availability										
VCS	CleanComfortPlus (04)	N/A	N/A	•	N/A	•	•	•	•	•	•	•
	CleanEnergyPlus (06)	N/A	N/A	•	N/A	•	•	•	•	•	•	•
VCE	CleanComfortPlus (04)	N/A	N/A	•	N/A	•	•	•	•	•	•	•
VCM	CleanComfortPlus (04)	N/A	N/A	•	N/A	•	•	•	•	•	•	•
FCM	CleanComfortPlus (04)	•	•	•	•	•	•	•	•	•	•	•
	Comfort (05)	•	•	•	•	•	•	•	•	•	•	•
	CleanEnergyPlus (06)	Call	Call	•	Call	Call	•	N/A	Call	Call	Call	•

Handle not included for VCM model, order separately

Step 2: Pick your flashing

Flashing Systems (Required for full warranty on new cuts)

Size code		1430	1446	2222	2230	2234	2246	2270	3030	3046	3434	4646
Flashing systems (pg. 13)	Model code	Availability										
Step flashing (10° - 60° roof pitch)***	ECL	•	•	•	•	•	•	•	•	•	•	•
High profile flashing (14° - 60° roof pitch)*	ECW	•	•	•	•	•	•	•	•	•	•	•
Roofing underlayment (12"x21')	ZOZ 211	•	•	•	•	•	•	•	•	•	•	•
Extra step pieces	ZZZ 200C	•	•	•	•	•	•	•	•	•	•	•

Step 3: Pick your blind & accessories



Blinds

Size code	1430	1446	2222	2230	2234	2246	2270	3030	3046	3434	4646
Blinds (pg. 18)	Availability										

Pre-installed blinds available at no additional cost†

Solar powered blind **	N/A	N/A	•	•	•	•	N/A	•	•	•	•
Solar powered blind with tray** (FCM only)	N/A	N/A	•	•	•	•	N/A	•	•	•	•
Manual blind with tray (FCM only)††	N/A	N/A	•	•	•	•	N/A	•	•	•	•

Blind Options

Available blind options	Model code
Solar blackout	DSC
Solar light-filtering	RSC
Solar blackout with tray (FCM model only)	YAY DSC
Solar light-filtering with tray (FCM model only)	YAY RSC
Manual blackout with tray (FCM model only)	YAY DKC
Manual light-filtering with tray (FCM model only)	YAY RFC
Manual venetian with tray (FCM model only)	YAY PAC

Accessories (See page 21)

Electrical options	Model code
Home automation integration kit	KLF 100
Replacement remote control	KLR 200
Battery backup (for VCE model)	KLB 100
Optional wireless keypad	KLI 110
Manual operation options	Model code
3'-6' Telescopic rod for manual blinds [†]	ZXT 200
6'-10' Manual telescopic rod (for VCM model) [†]	ZCT 300
2' Manual rod (for VCM model) [†]	ZOZ 032
3" VCM handle with extension	ZZZ 212
3' Extension to ZCT 300, ZMT 300 and ZOZ 032	ZCT 100
Hook with angle adaptor	ZZZ 203
Replacement VCM hook	ZZZ 211

Colour Options

Venetian	Light Filtering	Blackout
In-stock Blinds		
Special Order Blinds (Allow up to 6 weeks for delivery and shipped separately when ordered with skylight).		



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*Includes adhesive underlayment. **Includes wireless keypad †Rod required for manual out-of-reach operation, see optional accessories. ††Manual rod or crank handle required to operate manual skylight. ***One (1) roofing underlayment required per skylight. ‡Lead time is an additional 3-5 days for pre-installed blinds, must be requested when ordered. Electric blind models available. Please contact VELUX for additional information. Special order - Special glazings available, call for pricing.

Specialty Products

Combi-Flashing for Deck Mounted Skylights



Combi-flashing can be used to install multiple skylights in groups for dramatic installations.

- Type **EKL** works with groupings on low-profile roofing materials such as shingles and shakes for dramatic multiple unit installations.
- Must specify vertical gutter spacing when ordering. May be from 2½" to 12" in ½" increments. Combi-flashings with gutters 4.5" or wider have additional charges. Call for more Combi-flashing options and pricing.
- Only the 2.5", 3", 3.5" and 4" gutters for type EKL will be stocked; all other widths are special order only and require a 30 day production time.
- Type **EKW** works with groupings on high-profile roofing materials such as tile or corrugated metal roofing.
- Type EKW is available only with 4" gutters and **requires a 30 day production**.
- Many other combinations can be made beyond what is listed in the chart below. Call customer service for more information.



Size code		C01	C04	C06	C08	C12	M02	M04	M06	M08	S01	S06
1 by 2 flashing configuration							Availability					
<input type="checkbox"/>	EKL Low profile	•	•	•	•	•	•	•	•	•	•	•
<input type="checkbox"/>	EKW High profile	•	•	•	N/A	N/A	•	•	•	•	•	•
2 by 1 flashing configuration							Availability					
<input type="checkbox"/>	EKL Low profile	•	•	•	•	•	•	•	•	•	•	•
<input type="checkbox"/>	EKW High profile	•	•	•	NA	NA	•	•	•	•	•	•
3 by 1 flashing configuration							Availability					
<input type="checkbox"/>	EKL Low profile	•	•	•	•	•	•	•	•	•	•	•
<input type="checkbox"/>	EKW High profile	•	•	•	NA	NA	•	•	•	•	•	•
2 by 2 flashing configuration							Availability					
<input type="checkbox"/>	EKL Low profile	•	•	•	•	•	•	•	•	•	•	•
<input type="checkbox"/>	EKW High profile	•	•	•	NA	NA	•	•	•	•	•	•

ZOZ 211 Adhesive underlayment required. One (1) box per skylight, \$29 each. (12" x 21") Combi-flashings are not available for models FCM, VCM, VCE, VCS, FSR or truss series. Combi-flashings are available for Roof Windows. Call VELUX for details.

Roof Windows GGU – Pivoting roof window & GPU – Top hinged roof window

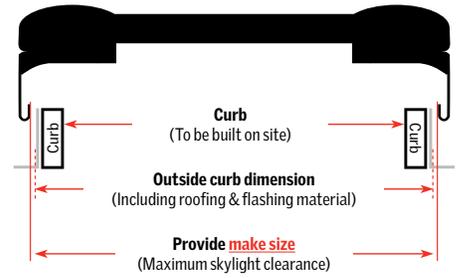
Size code		CK04	MK04	MK08	PK10	SK06
Outside frame (W" x H")		21½ x 38½	30⅝ x 38½	30⅝ x 55	37 x 63	44¾ x 46⅜
Rough opening (W" x H")		22⅛ x 39	31¼ x 39	31¼ x 55½	37⅝ x 63½	45¼ x 46⅞
Model code		Availability				
ComfortPlus (70)	GGU	•	•	•	•	•
ComfortPlus (70)	GPU	CALL	CALL	•	•	•
Flashing systems		Availability				
Step flashing	EDL	•	•	•	•	•
High profile flashing	EDW	•	•	•	•	•
Roofing underlayment (12"x21")*	ZOZ 211	•	•	•	•	•
Blinds (pg. 18)		Availability				
Manual venetian blind - white	PAL	•	•	•	•	•
Manual light filtering blind - white	RFL	•	•	•	•	•
Manual duo blind - beige/white	DFD	•	•	•	•	•
Optional accessories (manual)		Availability				
Exterior awning charcoal net cloth	MHL	•	•	•	•	•
Retractable insect screen	ZIL	•	•	•	•	•

*1-2 required per Roof Window. Contact VELUX for additional Roof Window sizes, varnished wood frame option or combi flashing.

Custom FCM – Fixed Curb Mounted Skylight



- Skylights available to fit curbs including flashing that have maximum clearance dimensions of 18¾" - 50¾" wide by 18¾" - 76½" long. Add tolerance to maximum skylight clearance for ease of fit.
 - We require maximum skylight clearance dimensions in ¼" increments (0, ¼, ½, ¾) for width and height.
 - Any tolerance required must be built in to the ordered dimensions.
 - Can be installed sideways, flashing determined by horizontal dimensions.
 - Maintenance free exterior.
 - Installation under 14° is not recommended where humidity is a concern.
 - **2-4 week production** time on custom skylights up to 72".
 - **3-5 week production** on custom skylights greater than 72".
- Note:** Custom size flashing kits and custom size blinds are not available. Call for coil stock options.
- Note:** Some specialty glass options require longer lead times.



In-stock custom sizes (Comfort glass 05)

Maximum skylight clearance (W" x H")
36 x 60
36 x 72
50 ¾ x 74 ¾

Custom size fixed curb mount (Comfort glass 05)



Maximum skylight clearance	18 ¾	19 - 26 ½	26 ¾	27 - 34 ½	34 ¾	35 - 38 ½	38 ¾	39 - 44 ¾	45 - 50 ½	50 ¾
Inches	Availability									
18 ¾ - 26 ½	•	•	•	•	•	•	•	•	•	•
26 ¾	•	•	FCM 2222	•	•	•	FCM 3422	•	•	FCM 4622
27 - 34 ½	•	•	•	•	•	•	•	•	•	•
34 ¾	FCM 1430	•	FCM 2230	•	FCM 3030	•	•	•	•	FCM 4630
35 - 38 ½	•	•	•	•	•	•	•	•	•	•
38 ¾	•	•	FCM 2234	•	•	•	FCM 3434	•	•	•
39 - 44 ¾	•	•	•	•	•	•	•	•	•	•
45 - 50 ½ _{2w}	•	•	•	•	•	•	•	•	•	•
50 ¾	FCM 1446	•	FCM 2246	•	FCM 3046	•	•	•	•	FCM 4646
51 - 55 ¼	•	•	•	•	•	•	•	•	•	•
55 ½ - 60 ¾	•	•	•	•	•	•	•	•	•	•
61 - 72	•	•	•	•	•	•	•	•	•	•
72 ¼ - 74 ½	•	•	•	•	•	•	•	•	•	•
74 ¾	•	•	FCM 2270	•	•	•	•	•	•	•
75 - 76 ½	•	•	•	•	•	•	•	•	•	•

All dimensions are maximum skylight clearance. Some building codes require use of CleanComfortPlus or CleanEnergyPlus glass. For pricing & additional sizing please call 1 800-888-3589.

Sun Tunnel Skylights

Rigid Sun Tunnels (pg. 15)



TMR
Rigid pitched
flashing unit



TGR
Rigid low profile
flashing unit



TLR
Flat glass
flashing unit



TCR
Flat roof
flashing unit

Package includes dome, shingle roof flashing, tunnel, two adjustable elbows, ceiling ring and dual diffuser.



Model	TMR		TGR		TLR	TCR
Size code	● 010	● 014	● 010	● 014	● 014	● 014
Rough opening (Diameter)	10"	14"	10"	14"	14"	14"
Rigid tubing length with kit*	4'	4'	4'	4'	4'	4'
Maximum recommended installation length	14'	18'	14'	18'	18'	18'
Dome / flashing		Availability				
Acrylic dome / Shingle roof		•	•	•	•	•
Accessories for Rigid models only			Model code		Availability	
2 ft Rigid tunnel extension			ZTR 2'	•	•	•
4 ft Rigid tunnel extension**			ZTR 4'	•	•	•
6 ft Rigid tunnel extension**			ZTR 6'	•	•	•

Flexible Sun Tunnels (pg. 15)



TMF
Flexible pitched
flashing unit



TGF
Flexible low profile
flashing unit

Package includes dome, shingle roof flashing, tunnel, ceiling ring and dual diffuser.



Model	TMF	TGF	
Size code	● 014	● 014	● 022
Rough opening (Diameter)	14"	14"	22"
Flexible tubing length with kit*	8'	8'	8'
Maximum recommended installation length	8'	8'	12'
Dome / flashing		Availability	
Acrylic dome / Shingle roof		•	•
Accessories for Flexible models only			Model code
12 ft Flexible tunnel replacement			ZTF 12'
			•

*Flashing height should be considered when ordering tube length. **Rigid tunnel extensions come in sets of 2' pieces.

Sun Tunnel Accessories (pg. 15)

Size code (based on Sun Tunnel)		010	014	022
Accessories for both models of Sun Tunnel	Model code	\$	\$	\$
12" Turret extender	ZTA 12	N/A	•	•
36" Turret extender	ZTA 36	N/A	•	•
Roofing underlayment (12"x21')	ZOZ 211	•	•	•
Lightblock shade	ZTK	•	•	N/A
Electric light kit	ZTL	•	•	•
NEW Decorative diffuser (see colours pg. 15)	ZTB	•	•	N/A
NEW Energy kit (Diffuser & Frosted insert)	ZTC 41	•	•	•
NEW Prismatic diffuser plate	ZTC 02	•	•	•
NEW Fresnel diffuser plate	ZTC 03	•	•	•
NEW Tile flashing for curb mount sun tunnel	ECW	N/A	•	N/A

Flat Roof Pricing

CFP – Flat Roof Skylight & CXP – Flat Roof Exit (pg. 17)

Size code		6060	6090	8080	9090	90120	100100	100150	120120	150150 ⁰
Rough opening	(WxH) cm	60 x 60	60 x 90	80 x 80	90 x 90	90 x 120	100 x 100	100 x 150	120 x 120	150 x 150
Rough opening	(W"xH")	23 ⁵ / ₈ X 23 ⁵ / ₈	23 ⁵ / ₈ X 35 ⁷ / ₁₆	31 ¹ / ₂ X 31 ¹ / ₂	35 ⁷ / ₁₆ X 35 ⁷ / ₁₆	35 ⁷ / ₁₆ X 47 ¹ / ₄	39 ³ / ₈ X 39 ³ / ₈	39 ³ / ₈ X 59	47 ¹ / ₄ X 47 ¹ / ₄	59 x 59
Exterior frame	(W"xH")	30 ¹⁷ / ₂₄ X 30 ¹⁷ / ₂₄	30 ¹⁷ / ₂₄ X 42 ¹³ / ₂₅	35 ⁷ / ₁₂ X 35 ⁷ / ₁₂	42 ¹³ / ₂₅ X 42 ¹³ / ₂₅	42 ¹³ / ₂₅ X 54 ¹ / ₃	46 ¹⁶ / ₃₅ X 46 ¹⁶ / ₃₅	46 ¹⁶ / ₃₅ X 66 ⁷ / ₅₀	54 ¹ / ₃ X 54 ¹ / ₃	66 ⁷ / ₅₀ X 66 ⁷ / ₅₀
Glazing	Model code	\$	\$	\$	\$	\$	\$	\$	\$	\$
Polycarbonate dome with ComfortPlus (70) glass	CFP ISD-10A	•	•	•	•	•	•	•	•	•
Acrylic dome with ComfortPlus (70) glass	CFP ISD-00A	•	•	•	•	•	•	•	•	•
Polycarbonate dome with ComfortPlus (70) glass	CXP ISD-10A	N/A	N/A	N/A	N/A	•	•	N/A	•	N/A
Acrylic dome with ComfortPlus (70) glass	CXP ISD-00A	N/A	N/A	N/A	N/A	•	•	N/A	•	N/A
Optional curb base (15 cm or 5.9")	ZCE 0015	•	•	•	•	•	•	•	•	•

Energy Performance

Energy Performance Improvement with Blinds (example)

Skylight model	VSS/VSE/VS	FS	VCS/VCE/VCN	FCM
Glass	04	04	04	04
U-Value	2.38 (0.42)	2.50 (0.44)	3.01 (0.53)	2.73 (0.48)
U-Value with Blackout blind	1.52 (0.27)	1.39 (0.24)	1.92 (0.34)	1.97 (0.35)
SHGC	0.23	0.26	0.24	0.27
SHGC with Blackout blind	0.14	0.16	0.15	0.15

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