Curb-mounted skylights
(2) FCM 3046 Fixed skylights with blackout blinds
Features

Pre-mounted **PickaClick**™ system brackets make the installation of sunscreen blinds literally a snap.

Advanced reinforced composite frame is lighter and designed to resist warpage in hot and cold climates.

Maintenance free white frames and sashes provide for a high quality finish that eliminates the need for secondary high cost trips by a painter.

Advanced silicone glazing sealant around glass and frame connection is impervious to water and air and will last the life of the skylight.

Factory installed operators for venting and venting electric skylights eliminate the need for field-installed operators and multiple wire connections.

Comes with 20 feet of standard wire.

**Superior LoE3 Glass**

Advanced LoE3 coating provides more daylight and better heat control for year-round comfort and energy savings:

- Visible light transmittance improves 10%
- Solar heat gain improves 20%

**Other features:**

Condensation channels and drainage that minimize the chance of condensation.

Lower profile design reduces the height of the skylight on the roof making it architecturally pleasing.

Neutral gray color, the choice of consumers and builders, blends with most roof shapes and colors.

Lighter weight design for easy installation.

VCM sash becomes removable during installation for easier installation of larger sizes.

**Enhanced features on electric skylight that allows functions to be set to a regular schedule.**

**FCM custom sizes**

Skylights available to fit outside curb dimensions including flashing of 17¼” x 49¾” wide x 70¾” long with a 12 day production time plus transportation time.

We require outside curb dimensions including flashing. We build an FCM unit to generate an offset between the outside curb dimensions, including flashing, and the maximum skylight clearance that can range from 1/16” minimum to 3/8” maximum each side.

Note: Custom-size flashing kits and custom-size blinds are not available.
Curb mounted skylights

Model VCE Electric venting skylight
- No designated top, bottom or sides to allow installation in any direction.
- Wide range of custom sizes available.
- Impact and Miami-Dade variants are available for hurricane prone areas.
- White laminated glass available for applications where diffused lighting is required.

Model VCM Manual venting skylight
- Package includes the operator hook and insect screen.
- White maintenance free frame and sash.
- Optional VELUX controls available for out-of-reach manual operation.
- VCM can be installed flat at a 0° roof pitch.

Model FCM Fixed skylight
- Inside curb: 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: 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 73 1⁄2, 49 1⁄2 x 49 1⁄2
- Max. skylight clearance: 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 74 5⁄8, 50 5⁄8 x 50 5⁄8, 50 5⁄8 x 50 5⁄8
- Daylight area: 14.5 x 30.5, 14.5 x 46.5, 22.5 x 22.5, 22.5 x 30.5, 22.5 x 46.5, 22.5 x 50.5, 22.5 x 70.5, 30.5 x 30.5, 30.5 x 46.5, 30.5 x 50.5, 30.5 x 61.5, 30.5 x 76.5
- Ventilation area: 3.17, 4.16, 5.15, 4.49, 5.81, 5.15, 7.13

Shingles/shakes - ECL
- Step flashing pieces interweave with roofing material for proper water drainage.
- Additional step pieces (ZZZ 200) are required for shakes and other thick roofing materials.

Tile roofing - ECW NEW!
- Patented sill flashing features pliable pleats that form to most types of tile.
- Side and head flashing pieces form a gutter to direct water away from the skylight.

New!

Flashing systems sold separately

Accessories sold separately

Sunscreening Accessory Tray | ZZZ 199
This revolutionary product, specifically designed for fixed curb mounted skylights, makes blind installation quick and easy. It has everything built in to accept VELUX blinds and controls.

Pick & Click!
Pre-installed brackets make blind installation a snap.

Blackout blind
Block the light

Roller blind
Diffuse the light

Venetian blind
Style and comfort

Solar Blinds Available
Solar battery blinds harness the power of the sun to operate blinds via remote control. No wiring required.

VELUX www.veluxusa.com

New! 0° - 60°

0° - 60°
0:12 - 20:12

0° - 60°
0:12 - 20:12

Blackout blind
Block the light

Roller blind
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New!
How commercial skylights improve spaces

Retail

Skylights in retail have been found to be correlated to higher sales. Customers report that they frequent the skylit stores because of positive environmental feelings, such as the stores feel cleaner, more spacious, more open or brighter. Research concludes this suggested a long-term customer loyalty effect and not a short-term impetus on sales.

Employees working in naturally lit buildings have been shown to have increased morale resulting in better customer service, increased productivity and decreased absenteeism.

Schools

Skylights in schools have been found to be positively and significantly correlated to better student performance in a study conducted by the Pacific Gas & Electric Company. 21,000 students were tested and they found that those in classrooms with the most daylight progressed 20% faster on math tests and 26% faster on reading tests in one year than those with the least amount of daylight.

According to the Commission of Public Interest Energy Research Program, daylight illumination levels were significant and positive in predicting better performance on a test of mental function and attention.

Offices, manufacturing and distribution centers

Lockheed Martin reports that after daylighting its facility in Sunnyvale, California, the company achieved 15% higher worker productivity. Additionally, the company won a $1.5 billion defense contract based on increased productivity, profits which paid for the entire building. As an added bonus, the company saved $300,000 to $400,000 a year on energy bills due to natural light from skylights.

Hospitals, healthcare facilities and retirement communities

Natural light has been shown to expedite healing and improve overall personal health. According to a recent research study conducted by the Center for Health Design in Concord, California, better lighting and access to natural light can shorten hospital stays.

The lack of daylight can significantly disrupt the body’s internal clock. In some cases lack of daylight along with other factors can lead to Seasonal Affective Disorder (SAD), characterized by recurrent, annual clinical depression, accompanied by oversleeping, overeating, decreased work productivity and social withdrawal.
Other benefits of commercial curb mounted skylights

White laminated glass
VELUX offers a white laminated glazing for office, warehouse and school applications where diffused lighting and energy efficiency are requirements. This quality glass skylight is an ideal replacement for white plastic bubbles in residential and commercial applications.

Unique characteristics
- Energy efficient laminated glass
- Solar heat gain coefficient = 0.26
- U-Value = 0.50
- 20 year warranty
- Great light diffusion capacity
- Haze factor 99% (ASTM D-1003)
- IECC 2000 Compliant
- Hurricane variant available
- Meets OSHA fall protection guidelines

Hail protection
Heavy-duty materials ensure the FCM skylight is built to withstand anything mother nature throws its way.

Screens
For applications where screens are specified, VELUX offers a unique screen system that provides full protection without damaging your skylight. VELUX utilizes a special retaining bar that locks to the unit at the corners thus keeping the screen from damaging the integrity of the skylight.

Fall Protection
VELUX uses high quality acrylic for CAP and CM skylights, making these products OSHA compliant right out of the box. VELUX also manufactures skylights using polycarbonate material giving those OSHA compliant products an even higher safety rating. Strenuous testing has been performed on custom sizes 4’ x 4’, 4’ x 8’ and 6’ x 6’ to assure widespread compliance with OSHA’s fall protection guidelines.
Custom curb mounted commercial skylights (CM)

Our model CM curb mounted commercial skylight is welded using a 6063 extruded aluminum retaining angle and an extruded aluminum inner frame providing a leak-proof design. It is installed directly on site built or prefabricated curbs. It is ideal for all commercial and industrial applications.

The VELUX CM curb mounted commercial skylight provides the highest levels of visible light transmittance which has been shown to significantly reduce energy costs through the benefits of daylighting. The payback from installing the CM curb mounted commercial skylight in commercial and industrial applications is typically less than two years.

Maintenance free curb mounted skylights (CMA)

The CMA maintenance free skylight is ideal in commercial and industrial applications where an aesthetically pleasing skylight is important. It comes standard with a neutral gray finished frame and a maintenance free PVC interior to provide a clean, finished look to any space. It also comes with a full thermal break for maximum energy efficiency and is available in standard and custom sizes.

CMA dome
CM hip ridge
CM pyramid

Model CMA Curb mounted skylight

- Quality construction.
- Acrylic glazings available in clear over clear, clear over white, white over clear, or bronze over clear.
- Custom sizes available up to 8.5’ x 12.5’.
- No designated top, bottom or sides so you can install it in whatever direction you want.
- Polycarbonate glazing available.

Roof hatch skylights (CVA)

The CVA skylight is a durable venting skylight with egress capabilities providing full roof access. With its access hardware and maintenance free PVC liner, this skylight is especially well suited for flat roof access in commercial spaces and high density housing.

Model CVA Roof hatch skylight

- Chains hold the dome open for better access as well as to prevent dome form hitting the roof.
- Curb mounted installation.
- Acrylic glazings available in clear over clear, clear over white, white over clear, or bronze over clear.
- Includes insect screen

Curb mounted installation

The VELUX CM curb mounted commercial skylight installs directly on site built or prefabricated curbs. It is ideal for easy replacement of existing skylights with a quality VELUX product.

Curb mounted installation

The VELUX CM curb mounted commercial skylight installs directly on site built or prefabricated curbs. It is ideal for easy replacement of existing skylights with a quality VELUX product.

Custom commercial sizes

Skylights available to fit custom sizes available up to 102” wide x 150” in 1/4” increments long with a 15 day production time including transportation time.

VELUX requires outside curb dimensions for CM’s.
### VCE Technical Information

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* Tested in accordance with AAMA/WDMA/CSA 101/I.S. 2/ A440-08 and -05.  
<sup>*</sup>FOM skylights are WDMA Hallmark certified.  
See www.wdma.com, Hallmark No. 426-H -666, -667, -671, -681

** 06 variant is tested and WDMA Hallmark certified for Wind-borne debris impact, in accordance with ASTM E1886 and ASTM E1996.  Rated for Wind Zone 3, Missile Level D, Cycle Pressure +50/-50

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**Air infiltration/Exfiltration**

VCE 3046 Electric venting skylight

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