



PRODUCT CATALOG SKYLIGHTS & ACCESSORIES 2026

**Wide
range**

of innovative and
energy-efficient
skylights

 **FAKRO®**

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FAKRO facts:

FAKRO started out in the early nineties (1991) in Nowy Sacz, Poland where the idea to manufacture skylights and roof windows was adopted by the company's founder.

- In 1994, the first FAKRO windows were delivered to customers in Poland.
- In 1996, the first windows manufactured by FAKRO were sold to a customer outside of Poland
- In 2000 FAKRO introduced to the market
- The FAKRO Group consists of 11 manufacturing plants
- The FAKRO Group includes 17 distribution companies scattered around the globe
- FAKRO products are available in over 60 countries worldwide
- The FAKRO Group employs over 4000 people
- The production area is over 2 474 800 sq.ft.
- To date FAKRO has sold over 7 500 000 windows
- Currently export sales account for 70% of total FAKRO production and sales
- FAKRO holds the the position of world's second highest company in sales of roof windows which is approximately 15% of the global market
- FAKRO's product range consists of more than 1000 standard products
- FAKRO is one of the largest attic ladder manufacturers in the world
- FAKRO holds over 220 patent applications
- FAKRO holds over 20 certificates issued by the most prestigious international institutes



Our 30-year history and hard work have earned us a reputation as a class-leading company in terms of quality, workmanship, product durability, and high aesthetic values.

During this period FAKRO has put its main focus on becoming one of the most innovative companies in the industry.

All our efforts are driven by a relentless quest to perfect our products and create state-of-the-art solutions incorporated within them.



World



15%

Production for exportation



70%



SKYLIGHTS, ROOF WINDOWS EGRESS ROOF WINDOWS ATTIC LADDERS

FXC – Fixed
FVC-S – Solar Vented
Curb Mounted
Skylights

FPP-V preSelect
Roof Window

FGH-V
Balcony
Window

LST Scissor,
Insulated
Attic Ladder

DXF – Fixed
DMF – Manually Vented
DEF – Electrically Vented
DXW – Walkable Skylight
DRF – Flat Roof Access
Skylight
DRL – Flat Roof
Hatch

VMZ Solar
Awning Blind for
Vertical Windows

A yellow hexagonal callout box with a white border. It contains the text "FWU-L/R Egress Roof Window" in bold black font, with "Egress" in red. A white line connects the text to a roof window on the house.

**FWU-L/R Egress
Roof Window**

A yellow hexagonal callout box with a white border. It contains a list of product codes and descriptions in bold black font. A white line connects the text to a roof window on the house.

**FX – Fixed
FV – Manually Vented
FVS – Solar Vented
PDS – Solar Vented
PDX – Fixed
Deck Mounted
Skylights**

A yellow hexagonal callout box with a white border. It contains a fire-rated icon (a flame inside a circle with a diagonal line through it) and the text "LWF Fire-Rated, Insulated Attic Ladder + more models FIRE-RATED" in bold black font, with "FIRE-RATED" in red. A white line connects the text to an attic ladder on the house.


**LWF Fire-Rated,
Insulated Attic Ladder
+ more models
FIRE-RATED**

A large white hexagonal callout box with a light blue sky and clouds background. It contains the text "RANGE OF FAKRO PRODUCTS" in large, bold, black, sans-serif font.

**RANGE
OF FAKRO
PRODUCTS**

PRODUCT FEATURES

THINGS YOU SHOULD KNOW ABOUT FAKRO PRODUCTS

FAKRO skylights and roof windows are designed to provide a focal point for any room, whether you use them individually or in combinations. Their stylish appearance is matched by the highest standard of manufacturing and finishing which means you can rest assured they will go on looking good for years to come. Our skylights offer a perfect combination of style, sustainability, security and long-design life. To achieve such high performance involves ongoing refinement and improvement to every skylight and roof window that we design.



THERMAL INSULATION – lower utility bills



One of the most important things during the design process of skylights is energy-saving. Use of Energy Star compliant glass keeps the heat outside during the summer and inside during the winter. It gives energy savings with air conditioning in the summer, and heat in the winter.



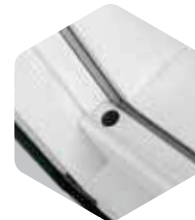
Many windows use metallic spacers to separate panes and these can encourage condensation to form by forming a cold 'bridge' between them. By contrast, FAKRO uses warm spacers in order to ensure that this otherwise common problem does not affect our products.



A thick, wooden skylight frame is the best insulator between the inside of the building and the outside. Installation screws hidden inside the frame do not increase the phenomenon of thermal bridges that might be caused by metal flanges attached around the frame.



Another feature increasing the insulation properties of FAKRO skylights is the additional perimeter gasket underneath the frame which insulates the skylight's frame and roof decking.



Additional double gasket system seals the gap between the sash and the frame of the skylight. The gap must be very well protected against any undesired air flow.



Optional thermal flashing increases the R-value of the skylight by up to 10%.

DURABILITY – trouble-free performance



Thick wooden frame made of selected narrow grain pine, seasoned and vacuum pressure treated.



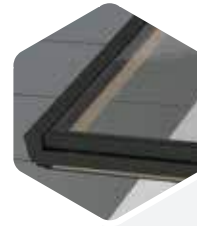
All wooden elements are factory lacquered before final assembly.



Frame corners additionally sealed against any moisture penetration.

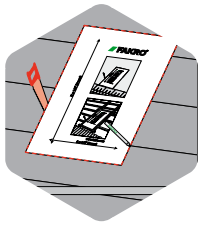


Heat and UV reducing glazing unit with internal gasket system that collects and drains any condensation to the outside.



External cladding covered with UV resistant paint.

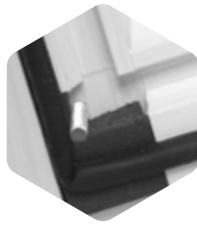
EASY INSTALLATION – time and cost saving



Dedicated skylight template for fast and easy marking of rough opening.



4 to 6 screws drill through the frame and secure the skylight to the roof deck. Perfect for new builds and retrofits.



Metal pins hold the skylight in place during installation. No sliding down effect, allows for one man installation.

INDIVIDUALITY – make your room cozy and unique



FAKRO skylights can be manufactured in any color from the RAL classic palette. That's over 200 colors customers can specify to special order for their chosen projects.

SAFETY – products compliance with building codes and regulations.



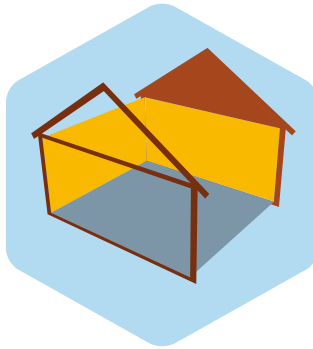
Tested and compliant with CSA requirements.

HOW TO CHOOSE A SKYLIGHT

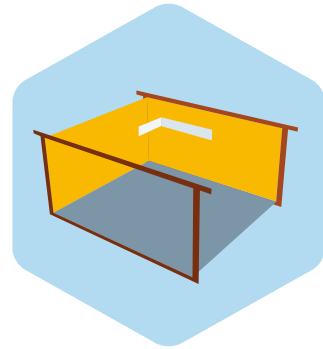
STEP 1: IDENTIFY YOUR ROOF TYPE WHERE THE SKYLIGHT OR ROOF WINDOW WILL BE INSTALLED



cathedral ceiling



sloped ceiling attic room



low pitched and flat roof

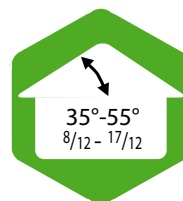
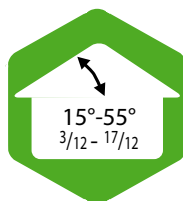
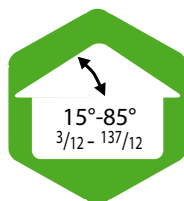
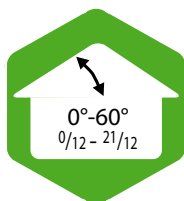
STEP 2: CHOOSE THE INSTALLATION METHOD OF THE SKYLIGHT OR ROOF WINDOW

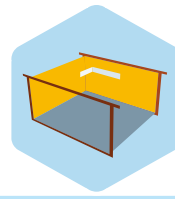
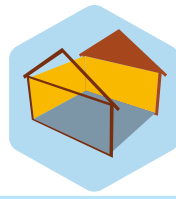


deck mounted

curb mounted

STEP 3: SEARCH FOR THE SKYLIGHT MATCHING YOUR ROOF SLOPE





Deck Mounted		cathedral ceiling	sloped ceiling attic room	low pitched and flat roof	roof pitch	page
Fixed	FX				15°-85°	14
	PDX				0°-60°	18
	DXF				2°-15°	30
Walkable	DXW				0°-15°	31
Solar Venting	FVS				15°-85°	10
	PDS				0°-60°	16
	DEF Solar				2°-15°	30
Manual Venting	FV				15°-85°	12
	DMF				2°-15°	30
	FPP				15°-55°	29
Balcony	FGH				35°-55°	28
Egress	FWU				15°-55°	26
	DRF				2°-15°	32
Curb Mounted						
Fixed	FXC				0°-60°	24
Solar	FVC-S				0°-60°	22



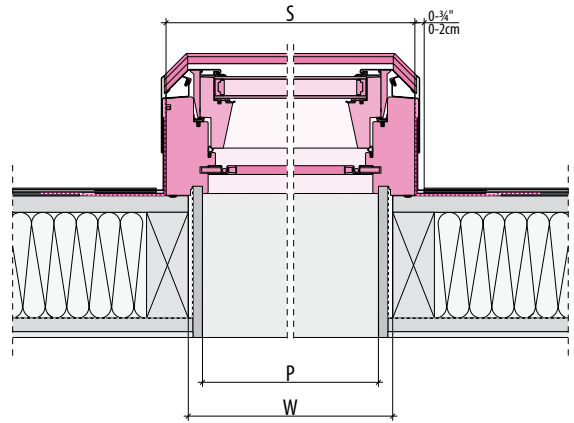
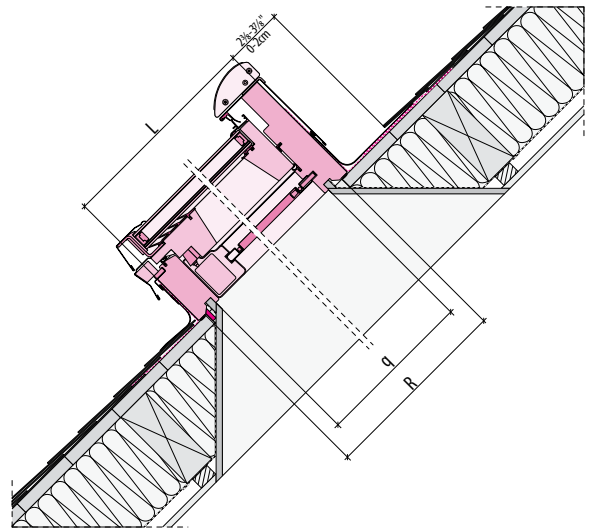
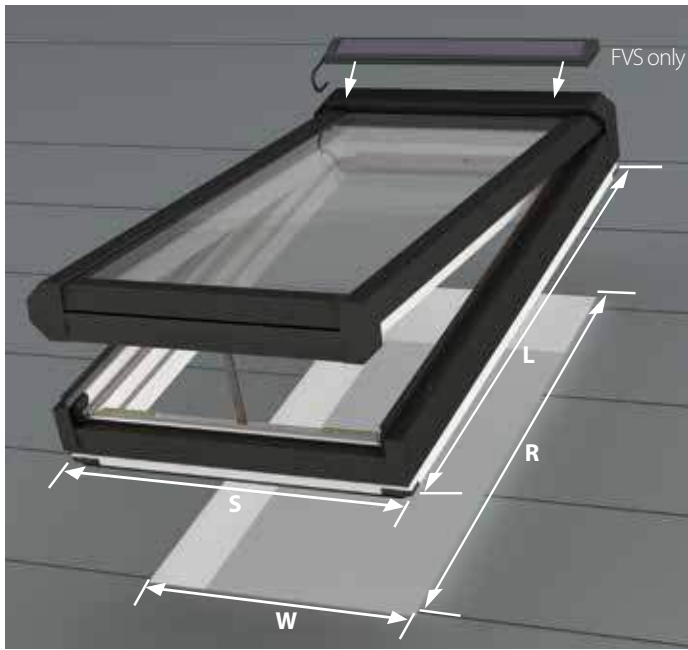
FVS solar powered

**YOUR SMART
HOME SOLUTION**

DECK MOUNTED SOLAR VENTING SKYLIGHT

Solar powered deck mounted skylights are ideal solutions for out of reach applications, where besides the natural light, you can enjoy the fresh air. FVS skylights are equipped with a radio communication system allowing for easy remote operation without the need of pointing the remote towards the skylights. FVS skylights are powered by an integrated solar panel, so connection to a power source is not required.

- Features:**
- suitable for roof pitches between 15-85 degrees
 - low-emission and heat-reflecting double glazed glass
 - warm spacer increases condensation resistance
 - perimeter gasket underneath the frame
 - double seals between the frame and the sash
 - interior frame finished in white acrylic paint for a clean, modern look
 - internal gasket system to collect and drain any condensation water to the outside
 - mosquito screen included
 - integrated rain sensors
 - remote control included
 - range of internal and external blinds available
 - integrated solar panel



FVS-RL	
Glazing unit	G31 tempered-laminated
SHGC	0.19
U-factor [BTU/h ft²F]	0.41
VT Visible Transmittance	0.36
CR condensation resistance	65
Air infiltration [cfm/ft²]	0.04
Water penetration [Pa]	730
Uniform Load Deflection	45 psf
Uniform Load Structural	+90/-67.5 psf



FAKRO FVS-RL SKYLIGHT DIMENSIONS

SKU# FVS-RL		80HZ36 301R	80HZ37 304R	80HZ38 306R	80HZ39 308R	80HZ40 312R	80HZ42 504R	80HZ43 506R	80HZ44 508R	80HZ46 801R	80HZ48 806R
Rough opening (WxR)	in.	21 x 26 ⁷ / ₈	21 x 37 ⁷ / ₈	21 x 45 ³ / ₄	21 x 54 ⁷ / ₁₆	21x 70 ¹ / ₄	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
Outside frame (SxL)	in.	23 ¹ / ₈ x 28	23 ¹ / ₈ x 39	23 ¹ / ₈ x 46 ⁷ / ₈	23 ¹ / ₈ x 55 ¹ / ₂	23 ¹ / ₈ x 71 ³ / ₈	32 ¹ / ₈ x 39	32 ¹ / ₈ x 46 ⁷ / ₈	32 ¹ / ₈ x 55 ¹ / ₂	46 ¹ / ₄ x 28	46 ¹ / ₄ x 46 ⁷ / ₈
Finished opening (pxq)	in.	19 ⁷ / ₁₆ x 25 ³ / ₁₆	19 ⁷ / ₁₆ x 36 ³ / ₁₆	19 ⁷ / ₁₆ x 44 ¹ / ₁₆	19 ⁷ / ₁₆ x 52 ³ / ₄	19 ⁷ / ₁₆ x 68 ¹ / ₂	28 ¹ / ₂ x 36 ³ / ₁₆	28 ¹ / ₂ x 44 ¹ / ₁₆	28 ¹ / ₂ x 52 ³ / ₄	42 ⁵ / ₈ x 25 ³ / ₁₆	42 ⁵ / ₈ x 44 ¹ / ₁₆
Weight	lbs	51	63	72	71	101	82	83	105	81	116
Daylight area (glass)	sq. ft.	2,83	4,23	5,23	6,33	8,35	6,33	7,82	9,47	6,42	11,87



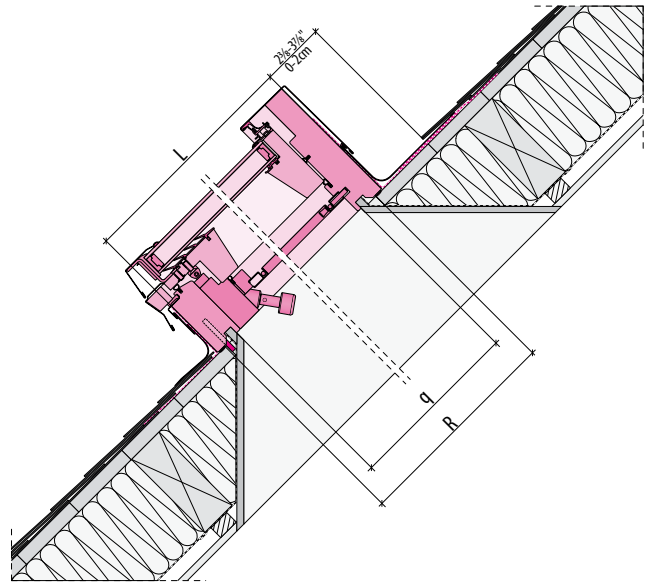
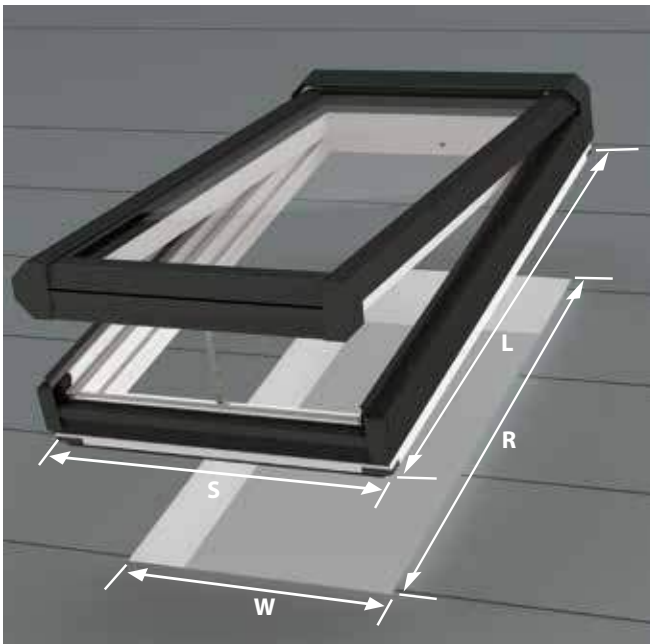
FV manual


**A BREATH
OF FRESH AIR**

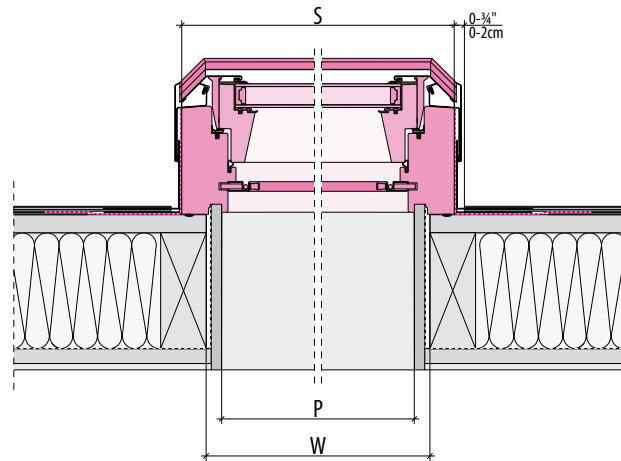
DECK MOUNTED MANUAL VENTING SKYLIGHT

FV manual venting skylights provide light and fresh air. They are recommended for applications where the skylights will be fairly easy to reach and operate with a window crank or control rod.

- Features:**
- suitable for roof pitches between 15-85 degrees
 - low-emission and heat-reflecting double glazed glass
 - warm spacer increases condensation resistance
 - perimeter gasket underneath the frame
 - interior frame finished in white acrylic paint for a clean, modern look
 - double seals between the frame and the sash
 - mosquito screen included
 - operated with a crank or a control rod
 - range of internal and external accessories available
 - internal gasket system to collect and drain any possible condensation water to the outside



FV-RL	
Glazing unit	G31 tempered-laminated
SHGC	0.19
U-factor [BTU/h ft ² F]	0.41
VT visible transmittance	0.36
CR condensation resistance	65
Air infiltration [cfm/ft ²]	0.04
Water penetration [Pa]	730
Uniform Load Deflection	45 psf
Uniform Load Structural	+90/-67.5 psf



FAKRO FV-RL SKYLIGHT DIMENSIONS

SKU# FV-RL	80HY36 301R	80HY37 304R	80HY38 306R	80HY39 308R	80HY40 312R	80HY42 504R	80HY43 506R	80HY44 508R	80HY46 801R	80HY48 806R
Rough opening (WxR) in.	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	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
Outside frame (SxL) in.	23 ¹ / ₈ x 28	23 ¹ / ₈ x 39	23 ¹ / ₈ x 46 ⁷ / ₈	23 ¹ / ₈ x 55 ¹ / ₂	23 ¹ / ₈ x 71 ³ / ₈	32 ¹ / ₈ x 39	32 ¹ / ₈ x 46 ⁷ / ₈	32 ¹ / ₈ x 55 ¹ / ₂	46 ¹ / ₄ x 28	46 ¹ / ₄ x 46 ⁷ / ₈
Finished opening (pxq) in.	19 ⁷ / ₁₆ x 25 ³ / ₁₆	19 ⁷ / ₁₆ x 36 ³ / ₁₆	19 ⁷ / ₁₆ x 44 ¹ / ₁₆	19 ⁷ / ₁₆ x 52 ³ / ₄	19 ⁷ / ₁₆ x 68 ¹ / ₂	28 ¹ / ₂ x 36 ³ / ₁₆	28 ¹ / ₂ x 44 ¹ / ₁₆	28 ¹ / ₂ x 52 ³ / ₄	42 ⁵ / ₈ x 25 ³ / ₁₆	42 ⁵ / ₈ x 44 ¹ / ₁₆
Weight lbs	45	79	66	72	94	70	83	92	75	109
Daylight area (glass) sq. ft.	2,83	4,23	5,23	6,33	8,35	6,33	7,82	9,47	6,42	11,87



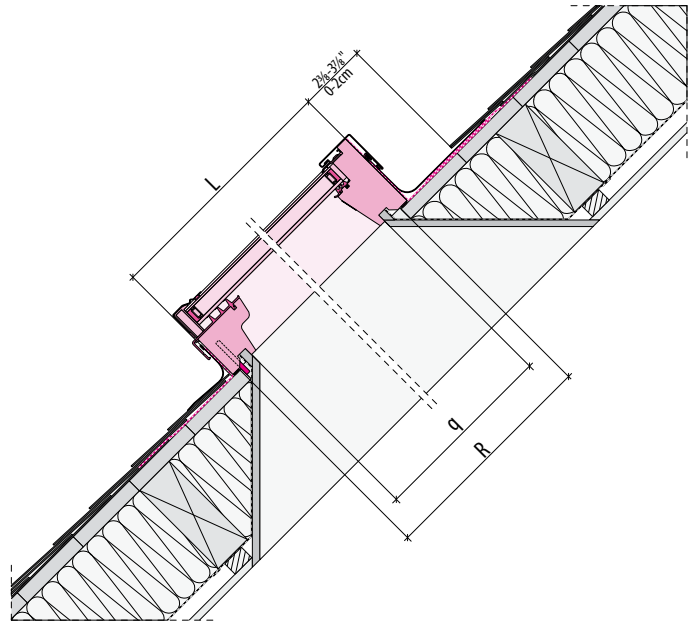
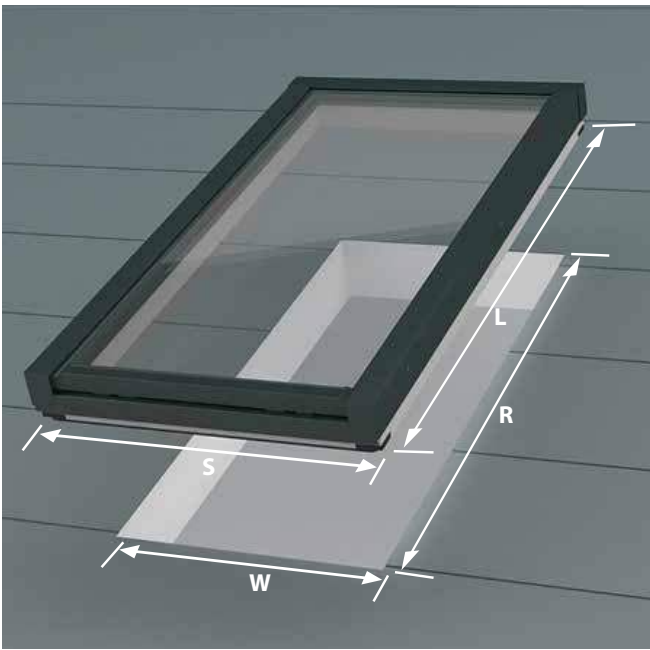
FX fixed


**LOTS OF
NATURAL LIGHT**

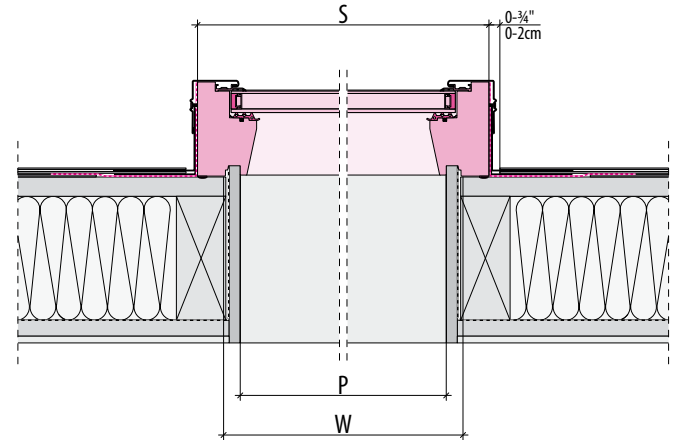
DECK MOUNTED FIXED SKYLIGHT

The main purpose of the fixed skylight is to take advantage of natural light. Natural light in a home increases the comfort of living and positively influences health.

- Features:**
- suitable for roof pitches between 15-85 degrees
 - low-emission and heat-reflecting double glazed glass
 - warm spacer increases condensation resistance
 - interior frame finished in white acrylic paint for a clean, modern look
 - perimeter gasket underneath the frame
 - range of internal and external blinds available
 - internal gasket system to collect and drain any possible condensation water to the outside

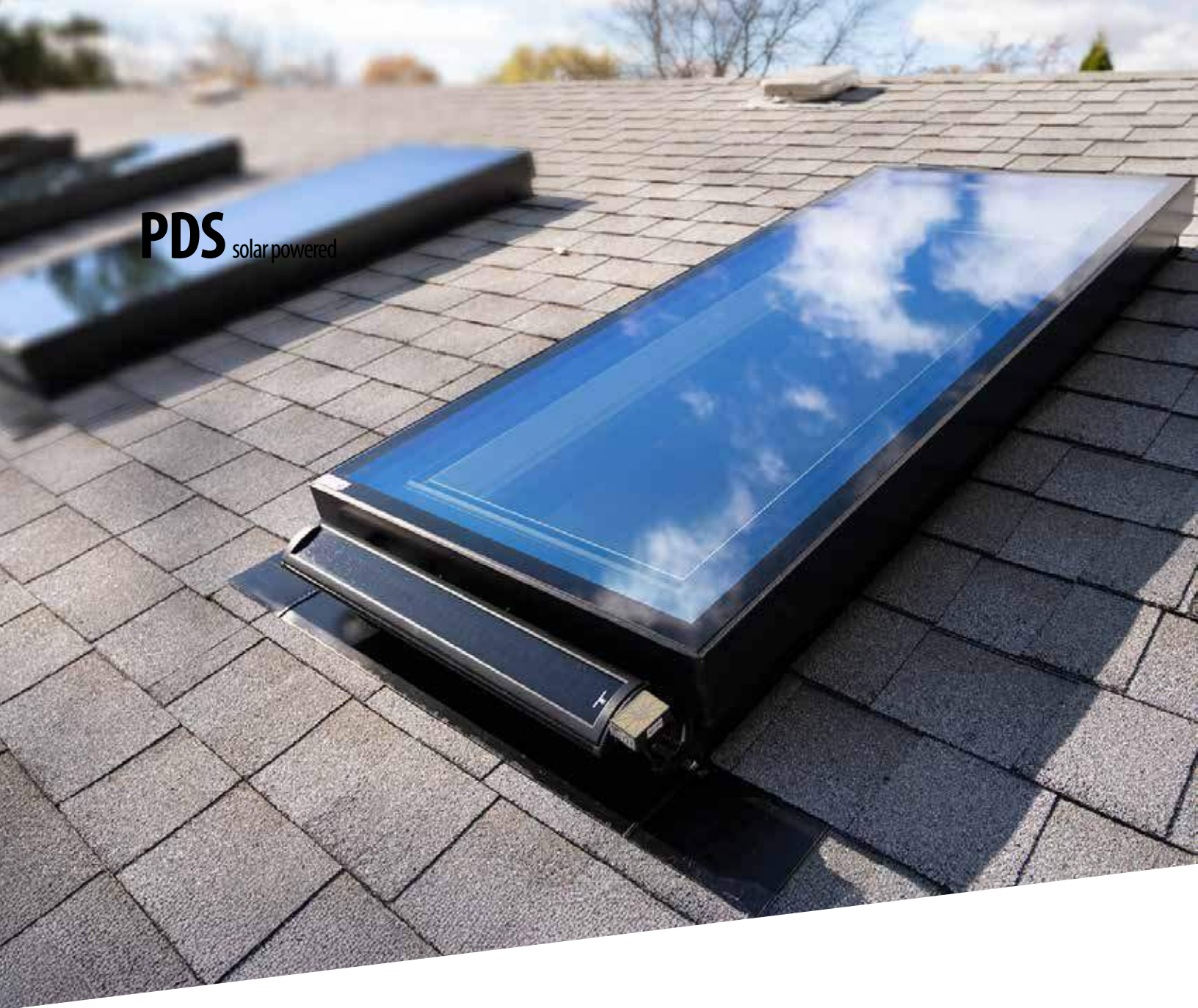


FX-RL	
Glazing unit	G31 tempered-laminated
SHGC	0.21
U-factor [BTU/h ft²F]	0.39
VT visible transmittance	0.39
CR condensation resistance	60
Air infiltration [cfm/ft²]	0.02
Water penetration [Pa]	730
Uniform Load Deflection	125 psf
Uniform Load Structural	250/187.5 psf



FAKRO FX-RL SKYLIGHT DIMENSIONS

SKU# FX-RL G31		80HX33	80HX36	80HX37	80HX38	80HX39	80HX40	80HX42	80HX43	80HX44	80HX46	80HX48
		106R	301R	304R	306R	308R	312R	504R	506R	508R	801R	806R
Rough opening (WxR)	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	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
Outside frame (SxL)	in.	16 7/8 x 46 7/8	23 1/8 x 28	23 1/8 x 39	23 1/8 x 46 7/8	23 1/8 x 55 1/2	23 1/8 x 71 3/8	32 1/8 x 39	32 1/8 x 46 7/8	32 1/8 x 55 1/2	46 1/4 x 28	46 1/4 x 46 7/8
Finished opening (pxq)	in.	13 7/32 x 44 1/4	19 1/2 x 25 11/32	19 1/2 x 36 3/8	19 1/2 x 44 1/4	19 1/2 x 52 29/32	19 1/2 x 68 3/4	28 17/32 x 36 7/8	28 17/32 x 44 1/4	28 17/32 x 52 29/32	42 23/32 x 44 11/32	42 23/32 x 44 1/4
Weight	lbs	41	34	44	52	63	78	59	72	83	54	96
Daylight area (glass)	sq. ft.	3,46	2,92	4,31	5,30	6,39	8,39	6,46	7,94	9,58	6,67	12,09

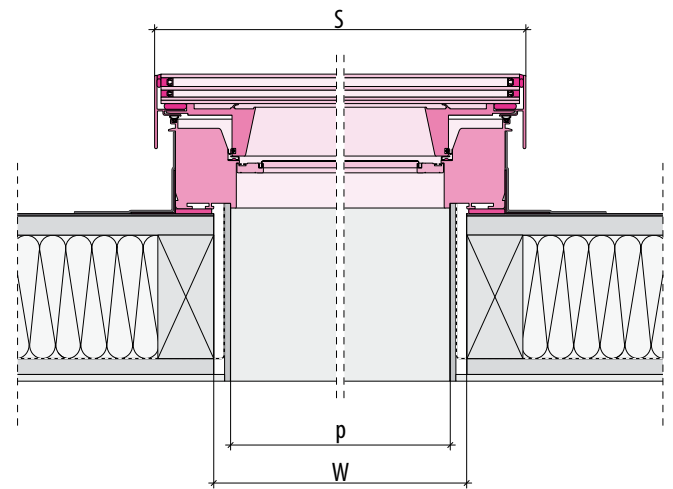
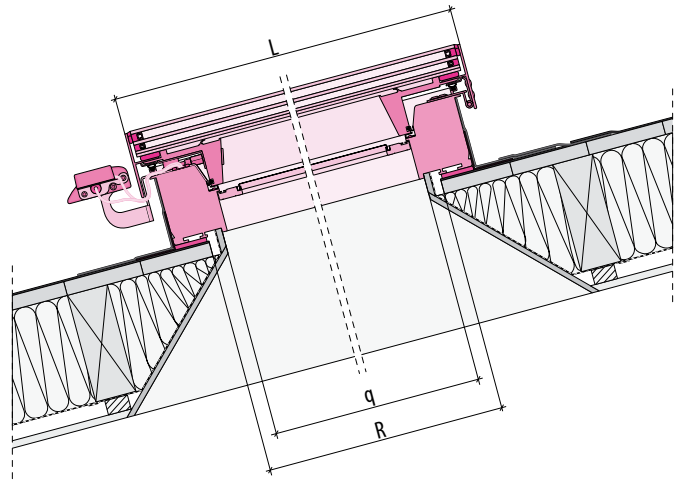


PDS solar powered

PREMIUM DECK MOUNTED SKYLIGHT PDS - SOLAR POWERED VENTING

The PDS skylight combines modern engineering and design, meeting today's standards. It offers style, efficiency, and functionality for residential and commercial spaces. With energy-saving features and compatibility with various roof types, it provides an intelligent solution that balances aesthetics with practicality.

- Features:**
- frameless top glass surface in unique design
 - white PVC frame with EPS foam insulation for energy efficiency
 - triple glazing: over 40% better performance compared to standard skylights.
 - suitable for flat or pitched roofs with slopes from 0-60 degrees
 - flashings for pitched roofs: suitable for slopes 15-60°
 - solar panel with battery and rain sensors ensures reliable operation
 - factory-programmed remote control included with the skylight
 - mosquito screen included
 - range of internal accessories: blackout and light-filtering blinds



PDS solar powered

Glazing unit	G53 (triple glazed)
SHGC	0.17
U-factor [BTU/h ft²F]	0.29
VT visible transmittance	0.33
CR condensation resistance	67

Double-glazed version available by special order.



FAKRO PDS SKYLIGHT DIMENSIONS

SKU# PDS G53								
		87WW36 301P	87WW37 304P	87WW38 306P	87WW39 308P	87WW42 504P	87WW43 506P	87WW46 801P
Rough opening (WxR)	in.	21 x 26 ⁷ / ₈	21 x 37 ⁷ / ₈	21 x 45 ³ / ₄	21 x 54 ⁷ / ₁₆	30 ¹ / ₁₆ x 37 ⁷ / ₈	30 ¹ / ₁₆ x 45 ³ / ₄	44 ¹ / ₄ x 26 ⁷ / ₈
Outside frame (SxL)	in.	26 ¹ / ₄ x 32 ¹ / ₈	26 ¹ / ₄ x 43 ¹ / ₈	26 ¹ / ₄ x 51	26 ¹ / ₄ x 59 ⁵ / ₈	35 ¹ / ₄ x 43 ¹ / ₈	35 ¹ / ₄ x 51	49 ¹ / ₂ x 32 ¹ / ₈
Finished opening (pxq)	in.	19 ¹ / ₂ x 25 ³ / ₈	19 ¹ / ₂ x 36 ³ / ₈	19 ¹ / ₂ x 44 ¹ / ₄	19 ¹ / ₂ x 52 ¹ / ₈	28 ¹ / ₂ x 36 ³ / ₈	28 ¹ / ₂ x 44 ¹ / ₄	42 ³ / ₄ x 25 ³ / ₈
Weight	lbs	91	115	130	147	143	164	151
Daylight area (glass)	sq.ft	2,8	4,09	5,06	6,14	6,24	7,64	6,57

EL-D or EH-D deck flashing is recommended for installation on a roof with slope between 15°-60°.

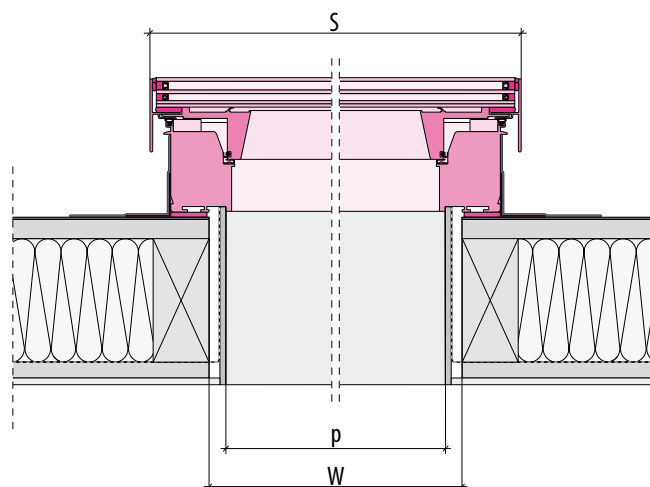
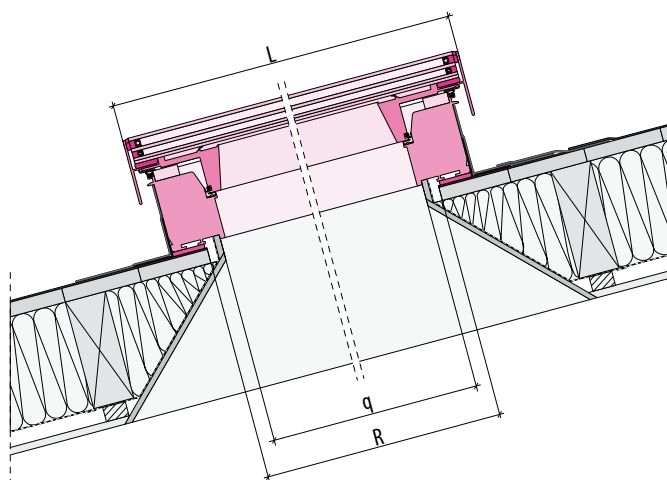


PDX fixed

PREMIUM DECK MOUNTED SKYLIGHTS PDX - FIXED

The PDX skylight delivers a blend of contemporary engineering and sleek design, tailored to today's expectations. It ensures efficiency and aesthetic appeal, making it a fitting choice for various residential and commercial applications. With its energy-efficient design and adaptability to multiple roof types, the PDX skylight offers a practical solution that enhances both the look and performance of a building.

- Features:**
- frameless top glass surface in unique design
 - white PVC frame with EPS foam insulation for energy efficiency
 - triple glazing: over 30% better performance compared to standard skylights.
 - suitable for flat or pitched roofs with slopes from 0-60 degrees
 - flashings for pitched roof installation work with slopes between 15-60 degrees
 - range of internal accessories: blackout and light-filtering blinds.



PDX fixed

Glazing unit	G53 (triple glazed)
SHGC	0.17
U-factor [BTU/h ft²F]	0.29
VT visible transmittance	0.33
CR condensation resistance	67

Double-glazed version available by special order.



FAKRO PDX SKYLIGHT DIMENSIONS

SKU# PDX G53		87WU33 106P	87WU36 301P	87WU37 304P	87WU38 306P	87WU39 308P	87WU40 312P	87WU42 504P	87WU43 506P	87WU44 508P	87WU46 801P	87WU48 806P
Rough opening (WxR)	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	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
Outside frame (SxL)	in.	20 x 51	26 1/4 x 32 1/8	26 1/4 x 43 1/8	26 1/4 x 51	26 1/4 x 59 7/8	26 1/4 x 75 1/2	35 1/4 x 43 1/8	35 1/4 x 51	35 1/4 x 59 7/8	49 1/2 x 32 1/8	49 1/2 x 51
Finished opening (pxq)	in.	13 1/4 x 44 1/4	19 1/2 x 25 3/8	19 1/2 x 36 3/8	19 1/2 x 44 1/4	19 1/2 x 52 7/8	19 1/2 x 68 3/4	28 1/2 x 36 3/8	28 1/2 x 44 1/4	28 1/2 x 52 7/8	42 3/4 x 25 3/8	42 3/4 x 44 1/4
Weight	lbs	98	82	103	120	137	172	131	151	173	138	200
Daylight area (glass)	sq.ft	3,23	2,8	4,09	5,06	6,14	7,97	6,24	7,64	9,26	6,57	11,84

EL-D or EH-D flashing is recommended for installation on a roof with slope between 15°-60°.

FLASHINGS FOR DECK MOUNTED SKYLIGHTS

STANDARD FLASHINGS:



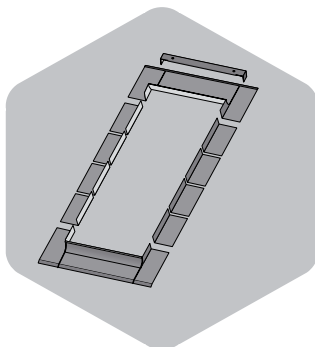
➤ EL

EL flashing is suitable for skylights installed with flat roofing materials such as shingles, plain-tile, double-lap roofing and slates. The side elements of the flashing are laid alternately with the roofing material (maximum roofing material thickness $\frac{3}{16}$ ""). The bottom section of the flashing is equipped with a butyl strip to protect against wind driven rain in stormy conditions.

EL flashing for use with deck mounted skylights FX, FV and FVS

EL-D flashing for use with deck mounted skylights PDX and PDS

EL-C flashing for use with curb mounted skylights FXC and FVC-S



➤ EH

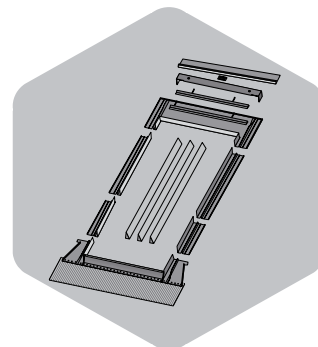
The flashing for profiled and high-profiled corrugated materials joins the skylight with roofing materials such as tiles, corrugated and standing seam metal sheets.

A wider and longer lower section allows a tighter joint with the high profiled roofing material (the height of the profile $1\frac{1}{4}$ " to $3\frac{1}{2}$ ""). A butyl strip holds down the bottom section of flashing.

EH flashing for use with deck mounted skylights FX, FV and FVS

EH-D flashing for use with deck mounted skylights PDX and PDS

EH-C flashing for use with curb mounted skylights FXC and FVC-S



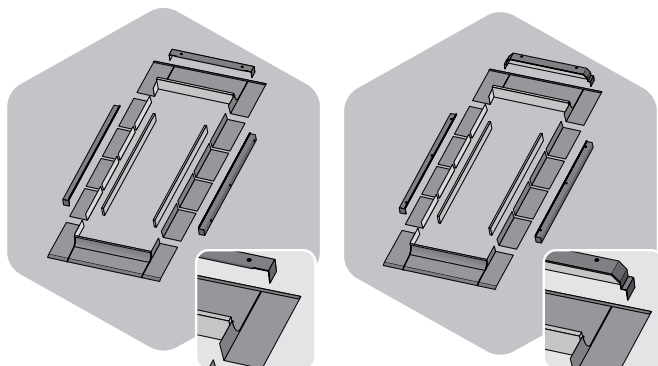
THERMO FLASHINGS:



➤ EL-T THERMO, ELA-T THERMO

EL-T Thermo and ELA-T Thermo flashings are a new product in the FAKRO range that combine especially well with an insulated roof. These flashings help eliminate "cool areas" that sometimes occur between roof deck and skylight causing condensation on the interior drywall. The underside of the Thermo flashing has flexible insulating material, creating a barrier by tightly sealing the skylight frame. FAKRO's Thermo flashing works well in combination with insulated roofs and is especially recommended in cold regions*.

EL-T – flashing for use with FX skylights only
ELA-T – flashing for use with FV and FVS skylights only.

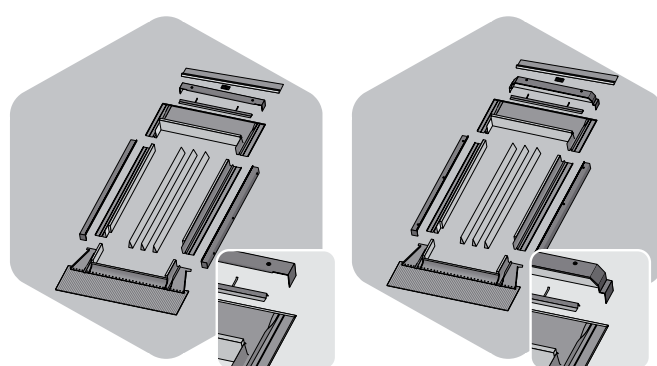


*Increase R-value by up to 10% with Thermo Flashing. 

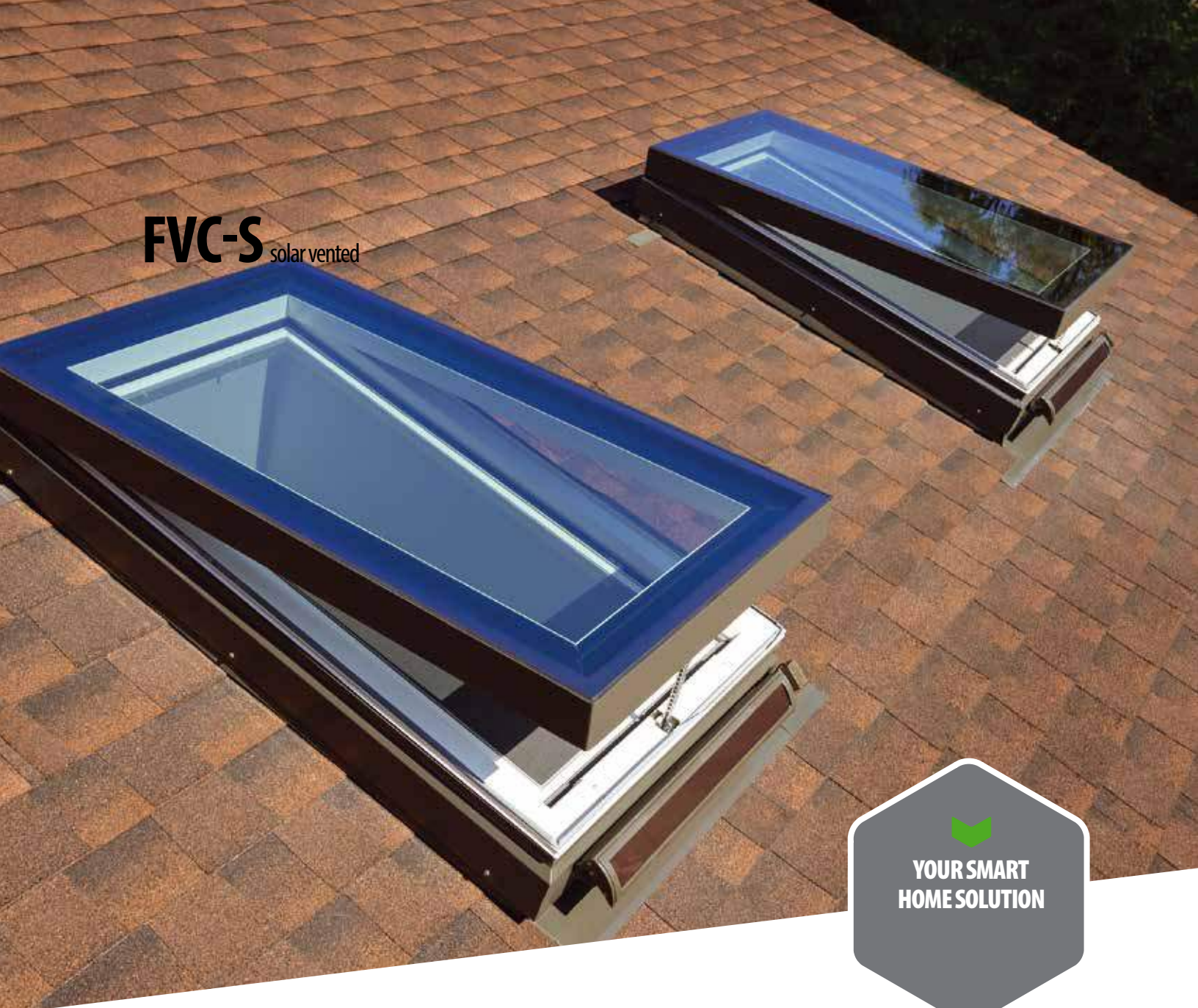
➤ EH-AT THERMO, EH/A-AT THERMO

EH-AT Thermo and EH/A-AT Thermo flashings are new products in FAKRO's range. The purpose of the flashing is to better insulate the connection point of the skylight frame and roof decking. Additionally, it minimizes thermal bridges and condensation effect. The underside of the Thermo flashing has flexible insulating material, creating a barrier by tightly sealing the skylight frame. FAKRO's Thermo flashing works well in combination with insulated roofs and is especially recommended in cold regions*.

EH-AT – flashing for use with FX skylights only
EH/A-AT – flashing for use with FV and FVS skylights only.



*Increase R-value by up to 10% with Thermo Flashing. 



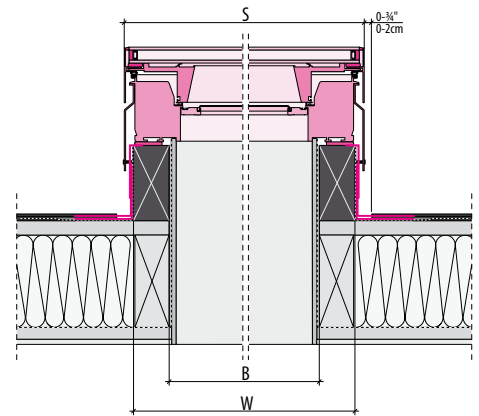
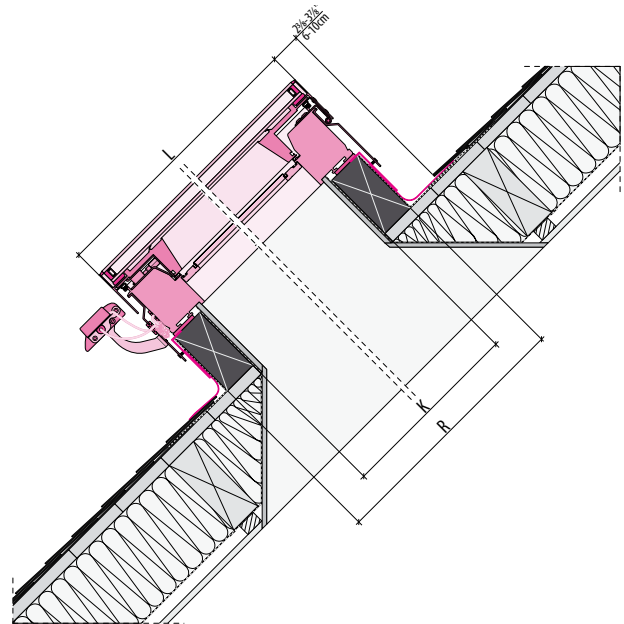
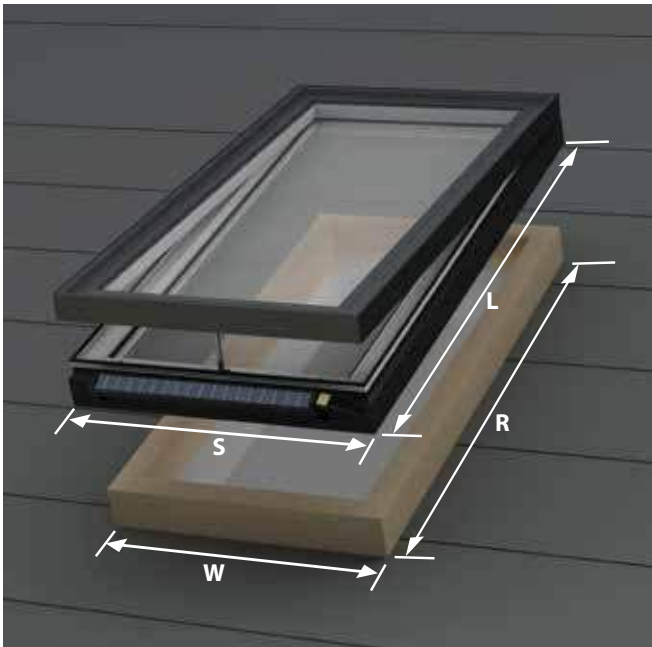
FVC-S solar vented


**YOUR SMART
HOME SOLUTION**

PREMIUM CURB MOUNTED SOLAR VENTING SKYLIGHT FVC-S

Innovative skylight intended for both flat and pitched roofs featuring excellent thermal performance and modern design. The FVC-S skylight is available in two versions – with single chamber solar glazing unit G33 (with external tempered pane and internal laminated). Window comes with low emission coating. A 30 mm blackened area around perimeter of the glazing unit stands behind impeccable aesthetics of the product.

- Features:**
- suitable for roof pitches between 0-60 degrees
 - infinity glass – virtually frameless surface
 - low-emission and heat-reflecting double glazing with argon gas
 - white finished PVC frame interior
 - mosquito screen included
 - powered by solar panel that has a built-in battery and rain sensor
 - internal blinds available
 - warm spacer increases condensation resistance
 - channel built into the inner frame of the skylight collects moisture and drains it to the outside



FVC-S	
Glazing unit	G33 tempered-laminated
SHGC	0.22
U-factor [BTU/h ft ² F]	0.56
VT visible transmittance	0.42
CR condensation resistance	56
Air infiltration [cfm/ft ²]	<0.3
Water penetration [Pa]	580



FAKRO FVC-S SKYLIGHT DIMENSIONS

SKU# FVC-S G33											
	809803	809804	809805	809806	809807	809808	809809	809810	809811	809812	
	22/22	22/30	22/34	22/46	22/70	30/30	30/46	34/34	34/46	46/46	
Outside frame (SxL)	in.	27 1/4 x 27 1/4	27 1/4 x 35 1/4	27 1/4 x 39 1/8	27 1/4 x 51 1/4	27 1/4 x 75 1/8	35 1/4 x 35 1/4	35 1/4 x 51 1/4	39 1/8 x 39 1/8	39 1/8 x 51 1/4	51 1/4 x 51 1/4
Outside curb (WxR)	in.	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	37 1/2 x 49 1/2	49 1/2 x 49 1/2
Inside curb (BxK)	in.	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	34 1/2 x 46 1/2	46 1/2 x 46 1/2
Weight	lbs	72	80	95	114	146	96	128	114	147	180
Daylight area (glass)	sq.ft	2,45	3,49	4,01	5,58	8,71	4,98	7,95	6,57	9,13	12,7

EL-C or EH-C curb flashing is recommended for installation on a roof with slope between 15°-60°.



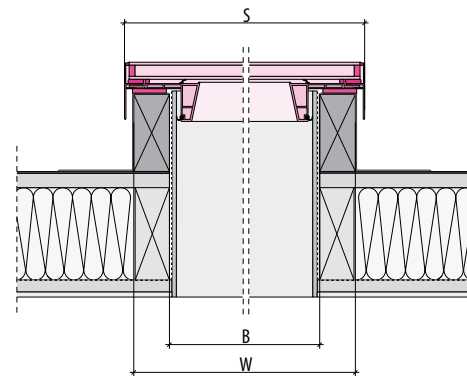
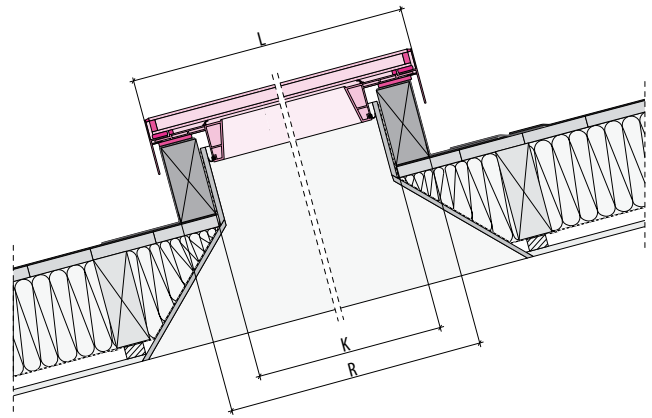
FXC fixed


**MOST ELEGANT
LIGHT**

PREMIUM CURB MOUNTED FIXED SKYLIGHT

The newly developed curb mounted fixed skylight incorporates simple installation, long trouble-free use and the beauty of a modern design. Following world design trends of electronic devices, FAKRO has developed curb mounted skylights with a completely (smartphone like) flat surface, allowing installation on any type of roofs in any direction you wish.

- Features:**
- suitable for roof pitches between 0-60 degrees
 - infinity glass – modern design helps with water run-off
 - low-emission and heat-reflecting double glazing with argon gas
 - warm spacer increases condensation resistance
 - white PVC frame allows installation of internal blinds
 - internal gasket system protects from condensation
 - range of internal and external blinds available
 - 360° turn-around installation



FXC	
Glazing unit	G33 tempered-laminated
SHGC	0.22
U-factor [BTU/h ft ² F]	0.46
VT visible transmittance	0.42
CR condensation resistance	62
Air infiltration [cfm/ft ²]	0.06
Water penetration [Pa]	720
Uniform Load Deflection	+95.24 psf/ -125.10 psf
Uniform Load Structural	+190.48 psf/ -187.66 psf



A wide range of colors is available to match the skylight's finish with the existing roof design.



Integrated PVC frame allows for quick and clean shaft finish.

FAKRO FXC SKYLIGHT DIMENSIONS

SKU# FXC G33														
			80EP01	80EP02	80EP03	80EP04	80EP05	80EP06	80EP07	80EP08	80EP09	80EP10	80EP11	80EP12
			14/30	14/46	22/22	22/30	22/34	22/46	22/70	30/30	30/46	34/34	34/46	46/46
Outside frame (SxL)	in.		19 1/4 x 35 1/4	19 1/4 x 51 1/4	27 1/4 x 27 1/4	27 1/4 x 35 1/4	27 1/4 x 39 1/8	27 1/4 x 51 1/4	27 1/4 x 75 1/8	35 1/4 x 35 1/4	35 1/4 x 51 1/4	39 1/8 x 39 1/8	39 1/8 x 51 1/4	51 1/4 x 51 1/4
Outside curb (WxR)	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	37 1/2 x 37 1/2	37 1/2 x 49 1/2	49 1/2 x 49 1/2
Inside curb (BxK)	in.		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	34 1/2 x 46 1/2	46 1/2 x 46 1/2
Weight	lbs		34	48	36	45	50	67	92	57	80	68	88	118
Daylight area (glass)	sq.ft		3,12	4,63	2,45	3,49	4,01	5,58	8,71	4,98	7,95	6,57	9,13	12,7

Custom sizes available.
EL-C or EH-C curb flashing is recommended for installation on a roof with slope between 15°-60°.



FWU Egress

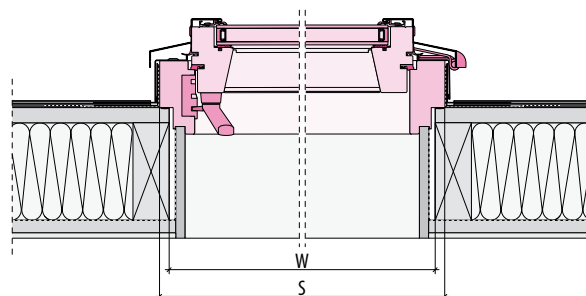
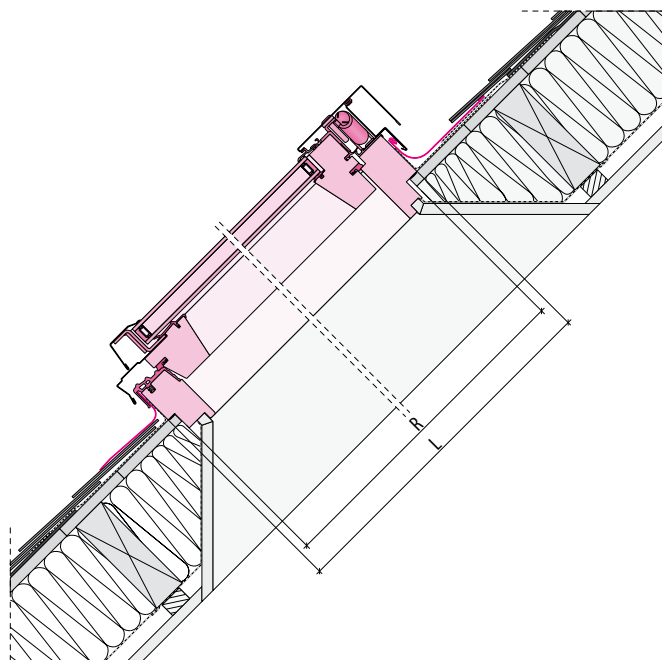
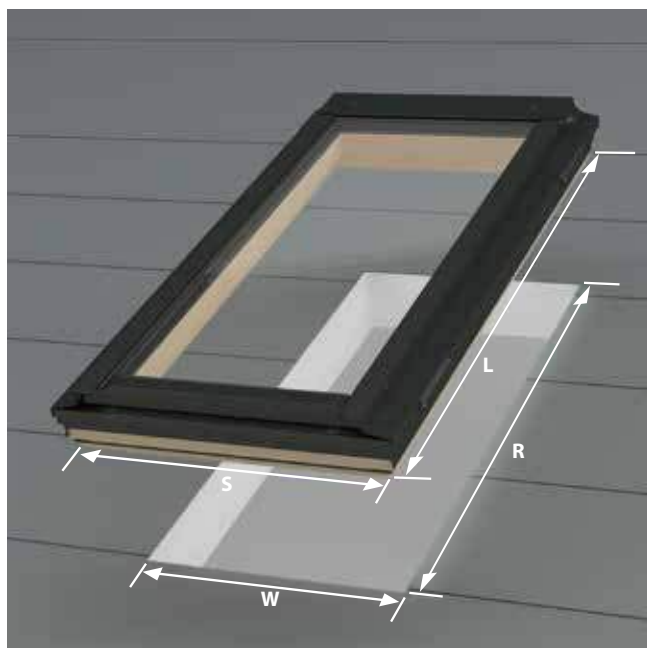

**SAFE AND
EASY ACCESS**

DECK MOUNTED ROOF ACCESS WINDOW

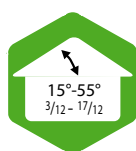
FAKRO FWU egress windows will not only light up a room, but they also provide an easy access to the roof or a way of escape in case of emergency. FWU roof access windows are designed for rooms where building codes require two methods of escape. We recommend that you install FAKRO roof access windows for use as an egress for safety and building code approval. The roof access window is available in two versions: right opening FWU-R or left opening FWU-L (pictured). FWU size 24/46 windows are officially recognized as a certified **Fire Exit roof window (Egress window*)** and can help save lives in case of emergencies such as a fire or flood.

* model FWU 24/46 tested in accordance with IRC section R 310.1.1, R 310.1.2, R 310.1.3, R 310.1.4

- Features:**
- suitable for roof pitches between 15-55 degrees
 - low-emission and heat-reflecting double glazed glass
 - factory finished frame
 - handle positioned halfway up the sash for ease of opening
 - internal gasket system to collect and drain any possible condensation water to the outside
 - range of internal blinds available
 - required special flashing ELW or EHW

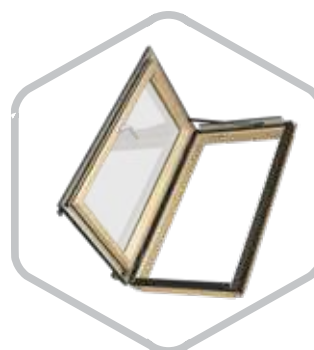


FWU	
Glazing unit	G3 tempered-tempered
SHGC	0.20
U-factor [BTU/h ft²F]	0.41
VT visible transmittance	0.39
CR condensation resistance	54
Air infiltration [cfm/ft²]	0.18
Water penetration [Pa]	730
Uniform Load Deflection	20.1 psf/-20.1 psf
Uniform Load Structural	60 psf/-60 psf

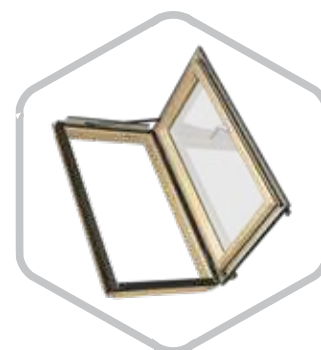


FAKRO SIDE HUNG WINDOW FWU DIMENSIONS

SKU# FWU-L	808707	808708	876D08
SKU# FWU-R	808807	808808	876C08
	24/38	24/46	37/46*
Rough opening (WxR)	in. 22 ³ / ₈ x37 ⁵ / ₈	22 ³ / ₈ x45 ⁵ / ₈	38 ¹ / ₂ x47 ³ / ₄
Outside frame (SxL)	in. 23 ¹ / ₂ x38 ³ / ₈	23 ¹ / ₂ x46 ¹ / ₄	36 ⁷ / ₈ x46 ¹ / ₄
Finished opening (pxq)	in. 21 x36	21 x43 ³ / ₈	34 ¹ / ₂ x 44 ¹ / ₄
Weight	lbs 60	68	95
Daylight area (glass)	sq.ft 3,55	4,41	10



FWU-L (left)



FWU-R (right)

* Size available to order - installs with mounting brackets.
See recommended flashings on page 16.



thermoPro

V40P



DECK MOUNTED BALCONY WINDOW

FGH-V Galeria

FGH-V Galeria is an innovative large window where the sash, when opened, creates a balcony in the loft. The upper top hung sash opens upwards, whereas the lower sash can be tilted forwards, allowing easy access to the balcony recess. The sash when rotated through 0° to 45° is supported by an innovative auxiliary mechanism which allows leaving the open sash in any position within this range. The upper sash can be opened anywhere along the opening range, up to 45°. Side barriers are integrated into the bottom sash and slide out during opening. When closing the lower sash, the balcony railing folds underneath an aluminum cladding. Concealed railing do not collect dirt or spoil the aesthetics of the roof.



Features:

- suitable for roof pitches between 35-55 degrees
- low-emission and heat-reflecting double glazed glass
- factory finished frame
- system of reinforced window structure topSafe
- wide range of accessories
- available with Thermo flashing EHN-AT/G



The upper sash can be raised smoothly up to an angle of 45°. Side safety barriers are integrated into the bottom sash and they tilt forward during the sash opening.

Installation of balcony windows can only be performed by qualified personnel. Cost of installation services is determined individually.

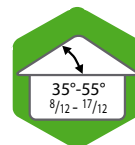


When closing the lower sash, the balcony barriers are hidden below the window profiles and are not visible above the roof, so that they do not get dirty and do not spoil aesthetics of the roof.

FGH-V balcony windows require special flashings: ELV/G for shingles and EHN/G for profiled roofing materials (tiles).

BALCONY WINDOW FGH-V DIMENSIONS

		870CCD	870CDD
SKU# FGH-V P2		78/255	94/255
Euro size (cm)		31/101	37/101
Rough opening (WxR)	in.	31 1/2 x 101	37 1/2 x 101
Outside frame (SxL)	in.	30 1/2 x 100 1/8	36 7/8 x 100 1/8
Finished opening (pxq)	in.	28 1/8 x 97 15/16	36 7/8 x 97 15/16
Weight	lbs	216	244
Daylight area (glass)	sq.ft	14,21	17,98





DECK MOUNTED TOP HUNG AND PIVOT ROOF WINDOW

FPP-V preSelect MAX

A new generation of top hung and pivot windows come with two independent opening mechanisms. The sash can be opened outwards from the top and via centre pivot. The outward opening function enables the sash to be opened in any position from 0° to 45° which allows an easy approach to the opened window. Innovative hardware system guarantees complete sash stability in both opening functions. Opening method can be switched using preSelect sliding switch placed in the side part of the frame which is accessible after opening the window.



thermoPro

V40P



FPP-V roof windows require special flashings ELV for shingles and EHN-A for profiled roofing materials (tiles).



preSelect switch to convert the window from top-hung to centre pivot for cleaning.



Features:

- suitable for a roof pitch between 15°-55°, available in special version for pitch between 55°-85°
- the pivot function enables the sash to be rotated through 180° and is used for cleaning the outer pane
- highest quality pine wood, glued in layers, vacuum impregnated
- automatic air V40P
- double coated wood with ecological acrylic lacquer in natural colour
- wide range of additional accessories

TOP HUNG AND PIVOT WINDOW FPP-V P2 DIMENSIONS

SKU# FPP-V P2		
	87CX06	87CX07
Euro size (cm)	78/118 31/47	78/140 31/56
Rough opening (WxR)	in. 31 ¹ / ₂ x 47 ¹ / ₂	in. 31 ¹ / ₂ x 56 ¹ / ₄
Outside frame (SxL)	in. 30 ¹ / ₂ x 46 ¹ / ₂	in. 30 ¹ / ₂ x 56 ¹ / ₄
Finished opening (pxq)	in. 28 ¹ / ₈ x 44 ¹ / ₄	in. 28 ¹ / ₈ x 50 ⁷ / ₈
Weight	lbs 101	lbs 117
Daylight area (glass)	sq.ft 6,39	sq.ft 8,11



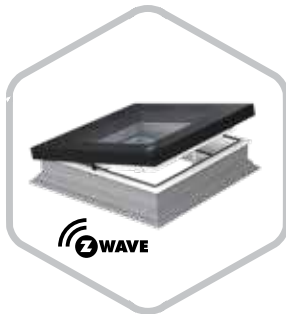


DECK MOUNTED SKYLIGHT FOR A FLAT ROOF

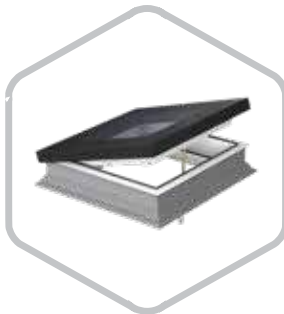
D_F

The benefits of natural illumination of the building are unquestionable but it happens that in interiors with flat roofs it is not always possible to install standard vertical windows. Every room should provide a source of natural light for a person to feel comfortable. The ideal solution in such cases is the installation of specially designed flat roof windows. FAKRO flat roof skylights illuminate interiors with natural light, provide room ventilation, and combine high functionality with perfect thermal insulation parameters. Now every room under the flat roof can be warm and full of natural light. A specially profiled covering material under the drip cap of the frame facilitates the finishing of the skylight connection with the roofing material. The flat roof skylight can also be mounted on an additional installation base XRD with a height of 5 7/8", which raises the skylight and allows its installation e.g. in green or living roofs.

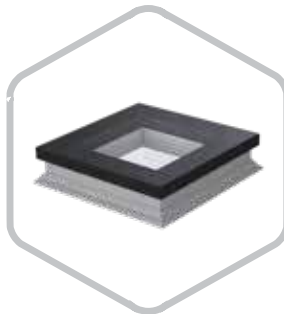
Flat roof windows are available in three versions:



DEF electric venting with wireless radio system.
DEF Solar available on special order



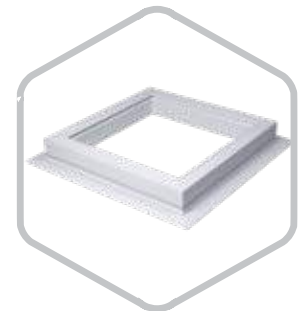
DMF manual venting.



DXF fixed.



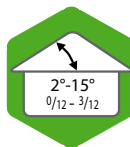
Rain sensor.



Installation base XRD.

Features:

- suitable for roof pitches between 2 and 15 degrees
- innovative glazing unit featuring modern design
- available with two glazing units: DU6 (triple-glazed) and DU8 (quadruple-glazed)
- excellent thermal insulation parameters for the entire quadruple glazed (DU8) skylight with an R-value of 8.9. Triple-glazed (DU6) skylight has an R-value of 8.1.
- sound value: 34 dB for DU6 and 33 dB for DU8
- can be used with roofing products as TPO, PVC, EPDM single ply or torched down membranes



FAKRO FLAT ROOF DECK MOUNTED SKYLIGHT D_F DIMENSIONS

SKU# DEF DU6		80CG54	80CG56	80CG57	80CG58	80CG59
SKU# DXF DU6		80CC54	80CC56	80CC57	80CC58	80CC59
		30/30	30/36	36/36	36/48	48/48
Rough opening (WxR)	in.	29 7/8 x 29 7/8	29 7/8 x 34 3/4	34 3/4 x 34 3/4	34 3/4 x 46 5/8	46 5/8 x 46 5/8
Outside frame (SxL)	in.	39 1/4 x 39 1/4	39 1/4 x 44 1/8	44 1/8 x 44 1/8	44 1/8 x 55 7/8	55 7/8 x 55 7/8
DEF DU6 Weight	lbs	133	146	164	202	270
DXF DU6 Weight	lbs	123	135	150	182	244



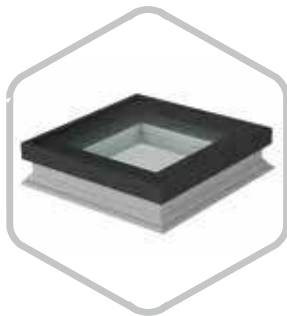
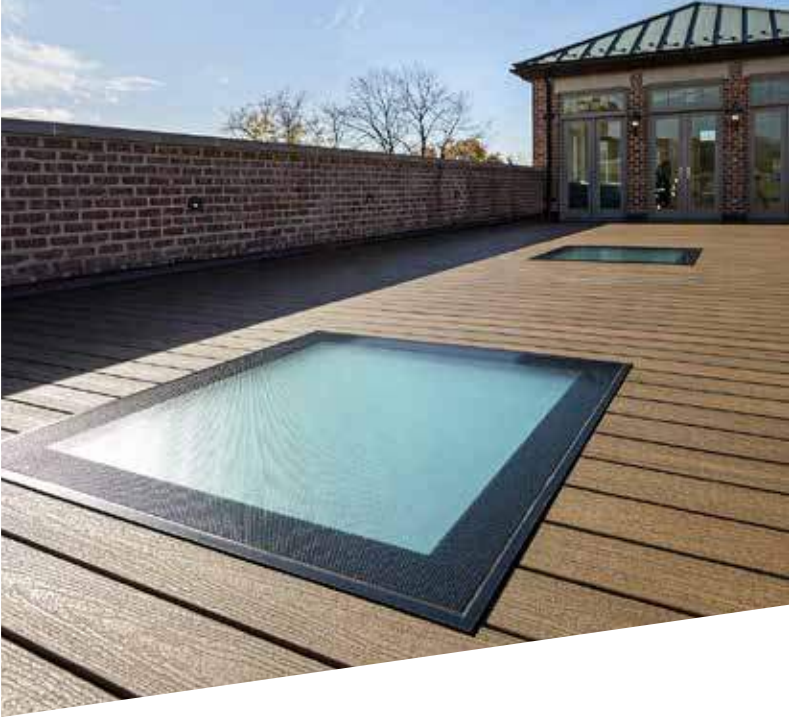
WALKABLE SKYLIGHT

DXW

The DXW walkable skylight is another head turning FAKRO product, designed for useable flat roofs to create a fully walkable surface above while the once dark room below becomes infused with light. Its modern design and quality finish are sure to stand out in any room with subtle lighting and remain unobtrusive on the roofs floor.



FAKRO has been given the prestigious award "ICONIC AWARDS 2018: Innovative Architecture - Best of Best" for its innovative DXW "walkable" flat roof window.



Features:

- enhanced load capacity of 102.4 psf
- special non-slip coating to ensure complete safety when walking across
- deck mounted and overlapped with roofing membrane, finished with provided termination bars
- frame is constructed of multi-chamber PVC profiles filled with insulation material and window comes with passive, double-chamber glazing unit with a U-factor 0.18 Btu/h ft² F
- suitable for roof pitches 0 to 15 degrees



WALKABLE SKYLIGHT DXW DIMENSIONS

SKU# DXW DW6						
		80EM54	80EM56	80EM57	80EM58	80EM59
		30/30	30/36	36/36	36/48	48/48
Rough opening (WxR)	in.	29 ⁷ / ₈ x 29 ⁷ / ₈	29 ⁷ / ₈ x 34 ³ / ₄	34 ³ / ₄ x 34 ³ / ₄	34 ³ / ₄ x 46 ⁵ / ₈	46 ⁵ / ₈ x 46 ⁵ / ₈
Outside frame (SxL)	in.	39 ¹ / ₄ x 39 ¹ / ₄	39 ¹ / ₄ x 44 ¹ / ₈	44 ¹ / ₈ x 44 ¹ / ₈	44 ¹ / ₈ x 55 ⁷ / ₈	55 ⁷ / ₈ x 55 ⁷ / ₈
Weight	lbs	226	254	287	362	458



➤ FLAT ROOF ACCESS SKYLIGHT

DRF

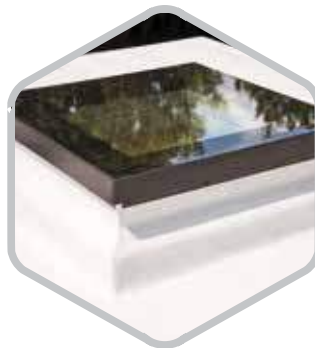
The DRF insulated roof access skylight is a new product that expands the range of FAKRO solutions for flat roofs. In addition to functioning as a skylight, it also provides safe and convenient access to the roof. Special hinges and a functional opening system in the roof access skylight allow easy sash opening up to 80° (for sizes 36x48 and 48x48, the sash opens up to 60°). Gas springs assist the operation of the sash and keep it stable in the open position, preventing accidental closing. Additionally, roof access skylights feature enhanced safety due to anti-slip covers on their profiles.



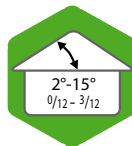
Features:

- the frame of the flat roof skylight is constructed of multi-chamber PVC profiles filled with insulation material. In the DRF roof access skylight, the upper part of the window comes with an innovative flat glazing unit
- the DRF roof access skylight is an energy-efficient, DU6 glazing unit with a Class P2A anti-burglary inner pane (EN14351-1:2006+A2:2016) and a whole window U-factor 0.23 BTU/h ft² F
- windows can also be mounted on an additional XRD/W base with a height of 5 7/8" (15cm), for installation in green or living roofs
- DRF access roof skylight is designed for pitches between 2° and 15°
- the structure of the access roof skylight enables installation of internal as well as external accessories. Use of an external awning blind protects the room from overheating, while internal accessories provide protection from intense sunlight and enhance interior design

DRF



Flat roof access skylight.



FLAT ROOF ACCESS SKYLIGHT DRF DIMENSIONS

						
SKU# DRF DU6		80EL54	80EL56	80EL57	80EL58	80EL59
		30/30	30/36	36/36	36/48	48/48
Rough opening (WxR)	in.	29 ⁷ / ₈ x 29 ⁷ / ₈	29 ⁷ / ₈ x 34 ³ / ₄	34 ³ / ₄ x 34 ³ / ₄	34 ³ / ₄ x 46 ⁵ / ₈	46 ⁵ / ₈ x 46 ⁵ / ₈
Outside frame (SxL)	in.	39 ¹ / ₄ x 39 ¹ / ₄	39 ¹ / ₄ x 44 ¹ / ₈	44 ¹ / ₈ x 44 ¹ / ₈	44 ¹ / ₈ x 55 ⁷ / ₈	55 ⁷ / ₈ x 55 ⁷ / ₈
Weight	lbs	169	186	203	263	329

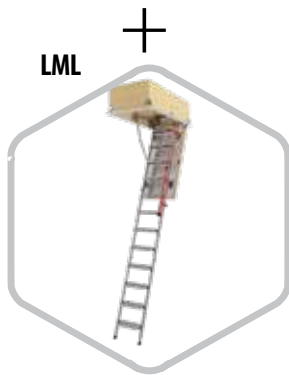
FLAT ROOF ACCESS DOOR

DRL

The DRL roof access door is an innovative product that provides safe and comfortable access to the flat roof. DRL 27.5x59.5 can be combined with specially designed FAKRO LML ladder.



- mounted on the roof surface
- the whole structure is insulated



- can be installed in the opening under the DRL roof access door
- gas piston supports unfolding and folding the ladder
- additional upper tread for safe step-up
- wide 5" (13cm) anti-slip treads



FLAT ROOF ACCESS DOOR DRL DIMENSIONS

SKU# DRL	869554	869556	869557	869512
	30/30	30/36	36/36	27½/59½
Rough opening (WxR)	in. 29⅞ x 29⅞	29⅞ x 34⅞	34⅞ x 34⅞	27⅞ x 59⅞
Outside frame (SxL)	in. 39⅞ x 39⅞	39⅞ x 44⅞	44⅞ x 44⅞	35⅞ x 68⅞
Weight	lbs 118	127	136	159



Features:

- fully assembled product
- the frame is constructed of multi-chamber PVC profiles filled with insulation material
- insulated sash equipped with a rubber seal ensures perfect thermal insulation performance
- opens up to 80°. Gas springs facilitate opening and closing, and the sash can be left open
- anti-slip tape on the base ensures safe access to the flat roof
- can be mounted on an additional XRD/W base with a height of 6" (15 cm) for installation in green and living roofs
- option to install an additional ZBR lock which protects against accidental closure of the sash
- suitable for roof pitches between 0° and 5°

Room height [in]	7'8" - 9'2"	8'5" - 10'3"
SKU# LML	862411	862453
Attic ladder size	in 27½ x 47	27½ x 51



ACCESSORIES FOR SKYLIGHTS



INTERNAL BLACKOUT BLIND

SRF/ARF

The SRF/ARF blackout blind is a stylish, decorative blind with runners at the sides to allow the blind to be positioned anywhere along the window. It also prevents daylight entering at the sides, thus providing a complete blackout. The aluminum runners covering the fabric edge, a special seal in the lower aluminum slat, and the material covering the outer face of the fabric (reflecting the sun's rays) block out incoming light completely. These components additionally reduce incoming heat in the summer and prevent heat loss in winter. The fabric also protects against harmful UV radiation.

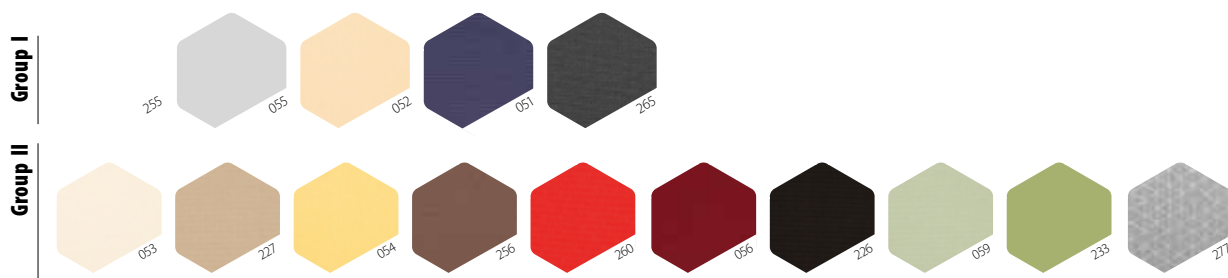
Available in manual and Z-wave Solar.

Features:

- gradual reduction of incoming sunlight up to blackout
- partial protection against heat from the sun
- possibility of locking blind in any position
- reduction of heat loss in the room during winter
- protection against UV radiation
- provides complete privacy
- suitable for cleaning
- comes in manual or electric version

**If the window is on the north side, it will be covered by a blackout blind or awning blind, or the window is in the shaded area, we recommend the wired version.*

BLACK OUT BLINDS COME IN TWO COLOR CATEGORIES:



INTERNAL LIGHT REDUCING BLIND

SRP/ARP

The light reducing SRP/ARP roller blind provides protection against sunlight, pleasantly shading the interior during sunny days. A wide range of colors and designs to choose from will enhance the looks of the room and enable the customer to match the material aesthetically with the interior design.

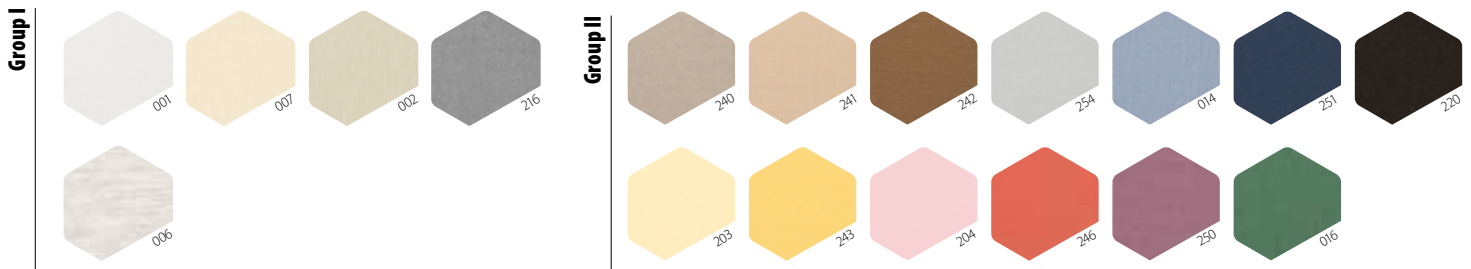
The aluminium runners cover the material edges and make it possible to lock the blind in any position.

Available in manual and Z-wave Solar.

Light-reducing blinds are not available for flat roof windows.



COLORS OF LIGHT-REDUCING BLINDS



ACCESSORIES FOR FLAT ROOF SKYLIGHTS

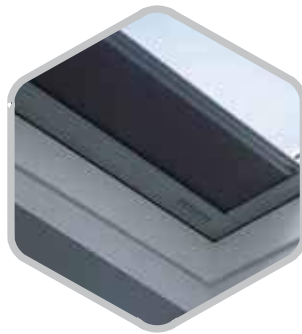


Blackout blind ARF/D

manually operated with **ZSD** rod.

ARF/D features:

- gradual reduction of the incoming sunlight up to black out
- partial protection against heat from the sun
- ability to lock the blind in any position along the window
- reduction of heat loss in the room in winter
- protection against UV radiation
- available in two versions - manual and electrical opened in wireless radio system



Blackout blind ARF/D Z-wave

electrically operated with remote control or wall switch (wireless radio system).

AMZ/F features:

- absorbs solar radiation before it reaches the glazing
- protection against UV radiation
- protection against light reflection on screens
- reduces sound of falling rain when drawn closed
- easy to operate in wireless radio system



Awning blind AMZ/F Solar

solar-powered and controlled by remote control which needs to be purchased additionally.



Telescopic control rod ZSD

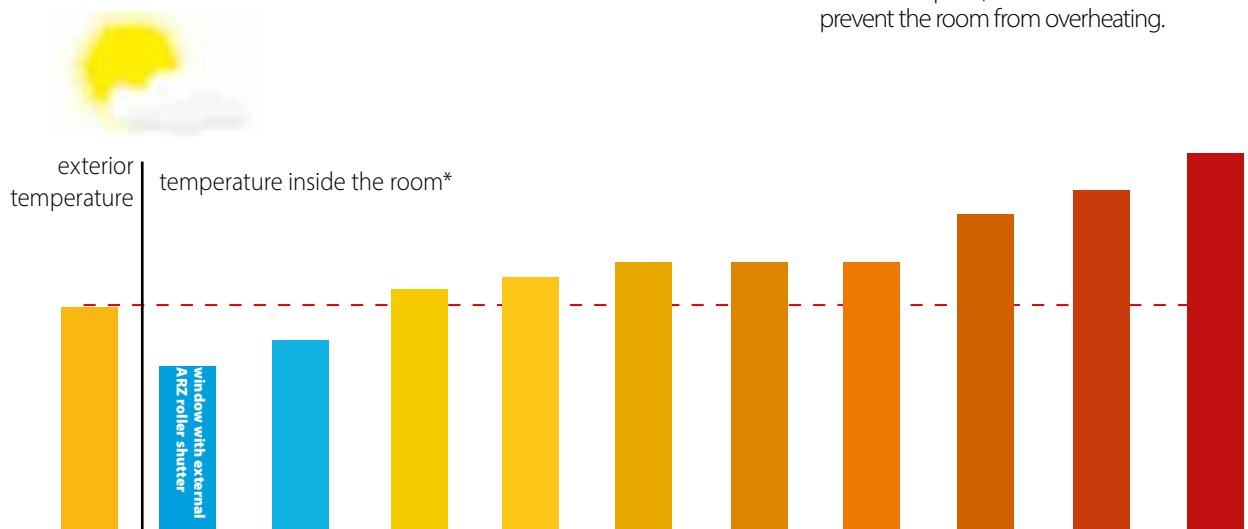
The telescopic control rod ZSD is for operating flat roof windows and internal roller blinds. Standard rod length is 46 3/4" (119 cm), maximum length is 10' 10" (330cm).



EXTERNAL AWNING BLIND FOR SKYLIGHTS AND ROOF WINDOWS

FAKRO analyzed the efficiency of protection from over heating with the use of different accessories in order to improve product sensitivity to the user's comfort. To this end, eight similar test boxes have been made using the same type of window and are then exposed to the influence of the sun's rays. The study was completed with the windows closed, and the temperature was taken three feet above the floor in a few different places.

The investigation results below show clearly that external accessories (awning blind and roller blind) provide the best protection from outside heat. The external accessories keep the sun's rays outside the pane, reduce the heat flow and help prevent the room from overheating.



** Presented results and diagram are for illustrative purposes only - they relate to specific weather conditions during the test.*

External accessories are the best protection from high temperatures. They also absorb UV radiation while keeping warm air out and prevent the inside of the home from overheating on hot and sunny days.



The external awning blind protects up to 8 times more efficiently against sun heat radiation than the internal blind.



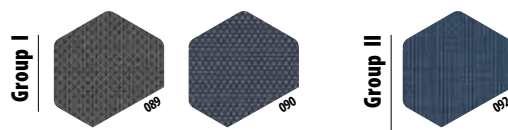
Solar-powered external awning blinds are simple to install and can be programmed to respond to the intensity of the sun by closing and opening automatically.

SMZ/ AMZ **AWNING SOLAR** **BLIND**

The awning solar blind is an appropriate combination of effective protection from heat and comfort of use. Due to the fact that the awning blind absorbs solar radiation before it reaches the glazing and emits the heat to the outside of the room, it provides much better protection from tiresome heat in the sunny days than internal accessories. At the same time, it allows the ingress of natural light and ensures visual contact with the environment.

Features:

- effectively reduces heat from the sun
- installed on the exterior of the window
- protection from excessive brightness, while maintaining good overall levels of natural light
- protection from harmful UV radiation
- protection from harmful light reflection, especially important when working with computers
- reduces noise of rainfall



SMZ Solar – solar-powered electric awning blind for skylights

AMZ Solar – solar-powered electric awning blind for roof windows

AMZ/F Solar – solar-powered electric awning blind for flat roof windows

Awning blinds come with 10% and 1% fabric transparency

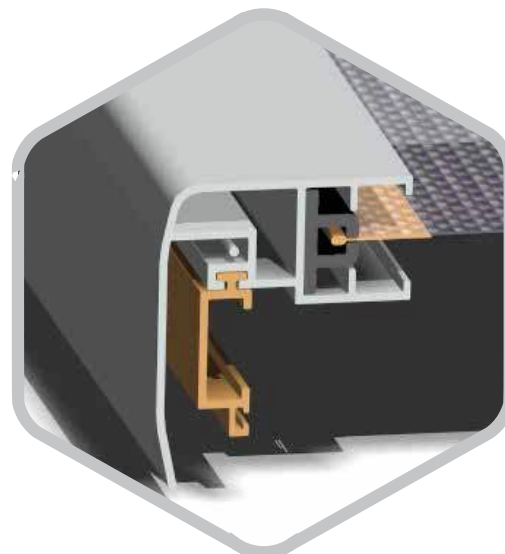


Fabric with 10% relative open area, awning blinds from group I and II.



Fabric with 1% relative open area, awning blinds from group III.

The awning blind is made of durable, weather-resistant fiberglass fabric. The fabric is roller-mounted with a motor fitted inside an aluminium casing, which is installed at the top of the window. In the cloth's edges there is a special tape that maintains appropriate fabric tension between the guides, preventing the fabric from falling out of the guides. Joining the fabric and profiles this way increases its resistance to wind. This solution withstands wind gusts of up to 75 miles/h (120 km/h) and side wind speeds of up to 137 miles/h (220km/h).



Control ROD SZS

The telescopic SZS Control Rod consists of three sections. The minimum length of the rod is 5', and the maximum length is 10'. The last section is equipped with a metal ball for operating the manual opening mechanism of the FV skylight, manual blackout blinds (SRF-M_) and light reducing (SRP-M_) blinds.

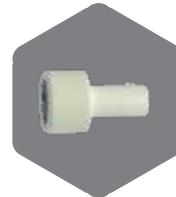


- FV skylight
- SRF-M_
- SRP-M_



Hexball adaptor

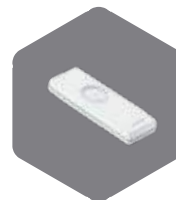
The SZK crank on FV skylights installed out of reach can be replaced by a hexball adaptor to allow operation with SZS control rod.



- Hexball adaptor
for FV skylight

Remote control

ZRH 12 - Radio remote control for use with FAKRO electric or solar powered skylights and blinds. The remote can create 12 separate groups of devices and control up to 12 receivers per each group.



Wall switch

ZRW7 - wall switch allows remote control of FAKRO electrical accessories. It can operate up to 12 devices in 7 groups (84 devices in total).





QUALITY SYSTEM AND CODE COMPLIANCE

Innovative technologies, use of effective methods of production management, uniform procedures for operation, continuous improvements to manufacturing and working conditions, all ensure the constant, high-quality of our products. Quality control is an integral part of our production process. Each product's quality is verified at all production stages. Furthermore, 70 different control and measurement tests are performed in our laboratories, which allow current monitoring of offered products. Research is conducted on all incoming products, components in the production process and eventually, final products. All quality systems at FAKRO aim to provide quality and consistency of manufactured products, which increases trust and our customers' satisfaction.



In order to provide products that are safe for our customers, skylights are tested for code compliance by accredited laboratories. After the products pass the tests and meet the requirements of applicable codes, they become certified products and the certificates are given by authorized bodies.

FAKRO skylights are designed and manufactured to meet the applicable requirements of the International Building Code (IBC), International Residential Code (IRC) and International Energy Conservation Code (IECC). Where applicable, products are tested and certified in accordance with the National Fenestration Rating Council (NFRC) and Canadian Standards Association (CSA) requirements.

* Compliance and certification may vary by skylight type and model. Please contact us for details on specific product certifications.

With the use of highly selective solar glass in our glazing units, FAKRO skylights are NFRC. FAKRO skylights also meet the requirements of IGCC (Insulating Glass Certification Council) and IGMA (Insulating Glass Manufacturers Alliance), requirements for initial and post gas fill weathering certification.

FAKRO's (egress) access roof window FWU 24/46 tested in accordance with IRC section R 310.1.1, R 310.1.2 and is officially recognized as a certified Fire Exit roof window (Egress window).

Certificate available at: www.fakrousa.com or www.fakro.ca.



OTHER FAKRO PRODUCTS



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