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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 first FAKRO windows are delivered to customers in Poland
- In 1996 first windows manufactured by FAKRO are 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 our hard work have allowed us to earn a reputation of being a class-leading company in quality, workmanship, durability of products, 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 of our efforts are driven by the relentless quest for perfecting our products and creating state-of-the-art solutions incorporated in them.







Production for exportation



70%



SKYLIGHTS ROOF WINDOWS EGRESS ROOF WINDOWS ATTIC LADDERS **FPP-V preSelect FXC** – Fixed **Roof Window FVC-S** – Solar Vented **Curb Mounted Skylights** FGH-V **Balcony Window DXF** - Fixed **DMF** - Manually Vented LST Scissor, **DEF** - Electrically Vented Insulated **DXW** - Walkable Skylight **Attic Ladder DRF** - Flat Roof Access **VMZ Solar** Skylight **Awning Blind for DRL** - Flat Roof Vertical Windows Hatch www.fakrousa.com



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.





One of the most important things during the design process of skylights is energy-saving. Use of Energy Star compliant glass keeps the heat oustide 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 effect 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.



LIFETIME and leak proof warranty.

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 THE BEST SK WINDOWS FOR YOUR PROJECT

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







sloped ceiling attic room



low pitched and flat roof

STEP 3: SELECT THE RIGHT VERSION OF SKYLIGHT OR ROOF WINDOW

Cathedral ceiling and sloped ceiling attic room

Sloped ceiling

	DECK MOUNTED		CURB M	OUNTED	DECK MOUNTED			
Electric/Solar	Manual	Fixed	Fixed	Solar Vented	Roof access	Balcony window		
FVE, FVS, PDS - deck mounted electric/solar venting skylights are recommended for out of reach applications, where skylight operation with a rod would be uncomfortable.	FV – deck mounted manual venting skylights suitable for within reach application when operated by crank or for out of reach places with easy access to operate with a control rod.	FX, PDX – fixed skylights are a great solution to provide natural light where a venting option is not important.	FXC – curb mounted fixed skylight premium model with infinity glass and internal PVC frame. FXR – curb mounted skylight basic model.	FVC-S – premium curb mounted solar venting model.	FWU –roof access window also used as an egress window for finished attic space.	FGH-V balcony windows, when opened create a balcony in the loft.		

STEP 4: CHOOSE A SIZE OF SKYLIGHT OR ROOF WINDOW

Please review available standard sizes listed further in this catalog

YLIGHTS OR ROOF



CURB MOUNTED

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





attic room

DECK MOUNTED

Low pitched and flat roof

DECK MOUNTED

DECK MOON I ED			CORD MOUNTED			
Top-hung and pivot window	Thermo window	Electric/ Manual	Fixed	Fixed walkable	Roof access	Fixed / Solar Vented
FPP-V top-hung and pivot windows open in two distinct ways: outward from the top and via a center pivot.	FTT U6, FTT U8 Thermo – windows are dedicated for (passive) buildings requiring products with very high insulating properties	DEF/DMF – electric/manual venting, highly insulating skylights for low pitched roof.	DXF – fixed, highly insulating skylights for low pitched roof.	DXW – walkable fixed skylight with high thermal performance. Suitable for rooftop decks.	DRF – flat roof access skylight with high thermal performance triple glazing.	FXC – curb mounted fixed skylight premium model with infinity glass and internal PVC frame FVC-S – premium curb mounted solar venting model FXR – curb mounted skylight
						basic model

STEP 5: CHECK YOUR ROOF FINISH MATERIAL AND SELECT THE APPROPRIATE FLASHING NECESSARY TO COMPLETE SKYLIGHT OR ROOF WINDOW INSTALLATION

STEP 6: SELECT INTERNAL OR EXTERNAL (IF APPLICABLE) BLINDS FOR YOUR SKYLIGHT OR ROOF WINDOW



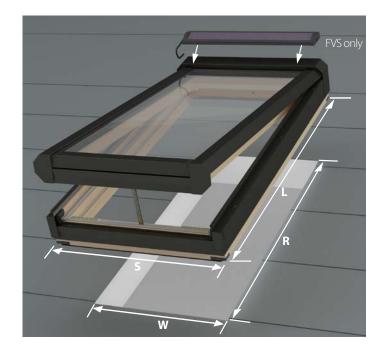
DECK MOUNTED ELECTRIC OR SOLAR VENTING SKYLIGHT

Electric and solar powered deck mounted skylights are ideal solutions for out of reach applications, where besides the natural light, you can enjoy the fresh air as well. FVE and 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.

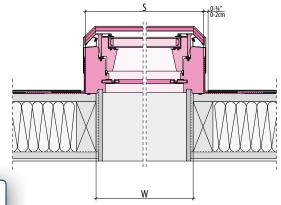
- **Features:** suitable for roof pitches between 15-85 degrees
 - low-emission and heat-reflecting double glazed glass
 - warm spacer increases condensation resistance
 - perimeter gasket underneath the frame
 - double seals between the frame and the sash
 - internal gasket system to collect and drain 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)
- FVS skylight qualifies for up to 30% Federal TAX Credit
- equipped with a Z-wave radio control system, allowing for smart home system integration







FVE/FVS						
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					





2022-2032 save 30% Federal tax credit for FVS skylight



SKU# FVS 809406 809407 809408 809409 809410 809412 809413 809414 809416 809 809419 809410 809412 809413 809414 809416 809	Daylight area	sq. ft.	2.58	3.98	4.95	6.03	7.97	5.70	7.10	8.61	5.92	11.41
SKU# FVS 809406 809407 809408 809409 809410 809412 809413 809414 809416 809 301 304 306 308 312 504 506 508 801 809	Outside frame (SxL)	in.	24½ x 27½	24½ x 38½	24½ x 463/8	24½ x 55	24½ x 70³/ ₄	32½ x 38½	32½ x 463/8	32½ x 55	48½ x 27½	48½ x 46¾
SKU# FVS 809406 809407 809408 809409 809410 809412 809413 809414 809416 809418	Rough opening (WxR)	in.	22½ x 26½	22½ x 37½	22½ x 45½	22½ x 54	22½ x 70	30½ x 37½	30½ x 45½	30½ x 54	46½ x 26½	46½ x 45½
			301	304	306	308	312	504	506	508	801	806
SKU#FVE 807806 807807 807808 807809 807810 807812 807813 807814 807816 807	SKU# FVS		809406	809407	809408	809409	809410	809412	809413	809414	809416	809418
	SKU# FVE		807806	807807	807808	807809	807810	807812	807813	807814	807816	807818



DECK MOUNTED MANUAL VENTING SKYLIGHT

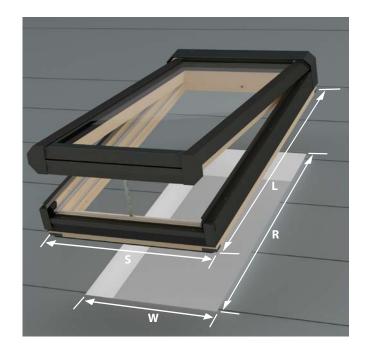
FV manual venting skylights provide light and fresh air. They are recommended for applications where the skylights will be fairly easy to reach and operate with a window crank or control rod.

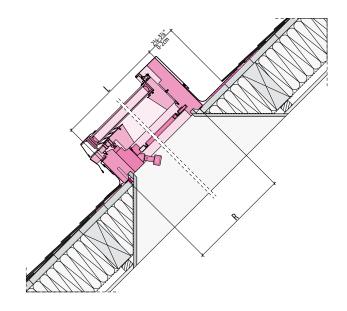
- **Features:** suitable for roof pitches between 15-85 degrees low-emission and heat-reflecting double glazed glass
 - warm spacer increases condensation resistanceperimeter gasket underneath the frame

 - 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

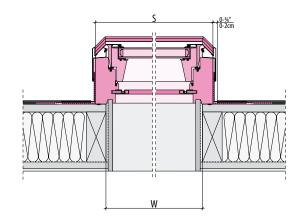








	FV
Glazing unit	G31 tempered-laminated
SHGC	0.19
U-factor [BTU/h ft ² F]	0.41
VT visible transmittance	0.36
CR condensation resistance	65
Air infiltration [cfm/ft ²]	0.04
Water penetration [Pa]	730
Uniform Load Deflection	45 psf
Uniform Load Structural	+90/-67.5 psf





FAKRO FV SKYLIG	HT DI	MENSIONS									
					П			П	П		
			ш	ш	ш	ш	ш	ш	ш		
SKU# FV G31		805606 301	805607 304	805608 306	805609 308	805610 312	805612 504	805613 506	805614 508	805616 801	805618 806
Rough opening (WxR)	in.	22½ x 26½	22½ x 37½	22½ x 45½	22½ x 54	22½ x 70	30½ x 37½	30½ x 45½	30½ x 54	46½ x 26½	46½ x 45½
Outside frame (SxL)	in.	24½ x 27½	24½ x 38½	24½ x 46³/8	24½ x 55	24½ x 70¾	32½ x 38½	32½ x 46³/8	32½ x 55	48½ x 27½	48½ x 46³/ ₈
Daylight area (glass)	sq. ft. m²	2.58 0.24	3.98 0.37	4.95 0.46	6.03 0.56	7.97 0.74	5.70 0.53	7.10 0.66	8.61 0.80	5.92 0.55	11.41 1.06

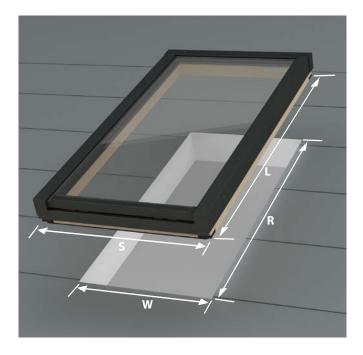


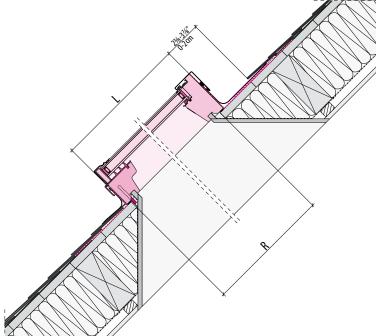
DECK MOUNTED FIXED SKYLIGHT

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
- 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

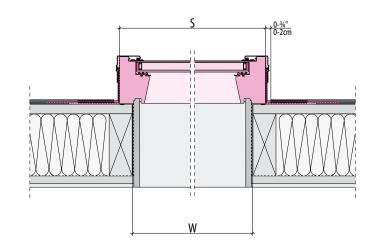






FAKRO®

	FX
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/ft ²]	0.02
Water penetration [Pa]	730
Uniform Load Deflection	125 psf
Uniform Load Structural	250/187.5 psf





FAKRO FX SKYLIGHT DIMENSIONS

NEW INSTALLATION LINE * SKU# FX G31 806803 806806 806807 806808 806809 806810 806812 806813 806814 806816 806818 301 308 506 801 106 304 306 312 504 508 806 Rough opening (WxR) 14½ x 45½ 22½ x 26½ 22½ x 37½ 22½ x 45½ 22½ x 54 22½ x 70 30½ x 37½ 30½ x 45½ 30½ x 54 461/2 x 261/2 461/2 x 451/2 Outside frame (SxL) in. 16½ x 463/8 24½ x 27½ 24½ x 38½ 241/2 x 463/8 24½ x 55 24½ x 70¾ 32½ x 38½ 32½ x 463/8 32½ x 55 48½ x 27½ 481/2 x 463/8 6.78 8.93 7.97 9.58 12.59 sq. ft. 3.34 3.12 4.63 5.70 6.46 6.89 Daylight area(glass) m^2 0.29 0.31 0.43 0.53 0.63 0.83 0.60 0.74 0.89 0.64 1.17 REPLACEMENT LINE** 106R*** 301R 304R 308R 504R*** 506R*** 508R*** 806R 306R 312R 801R

21 x 543/4

231/8 x 467/8 231/8 x 551/2

21 x 701/2

231/8 x 713/8

30 x 38¹/₈

321/8 x 39

30 x 46

321/8 x 467/8 321/8 x 551/2

30 x 54¾

44 x 271/8

46¹/₄ x 28

14½ x 46

16⁷/8 x 46 ⁷/8

21 x 271/8

231/8 x 28

21 x 381/8

231/8 x 39

21 x 46

in.

*** Special order

Rough opening (WxR)

Outside frame (SxL)

44 x 46

 $46^{1}/_{4} \times 46^{7}/_{8}$

^{*} Perfect fit between standard rafter distance to maximize daylight area

^{**} Designed to fit common sizes needed for replacement projects

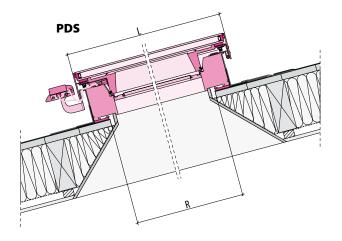


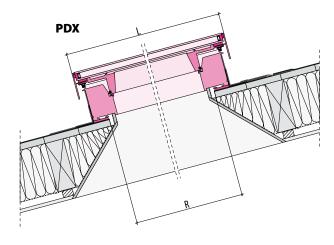
PREMIUM DECK MOUNTED SKYLIGHTS **PDS - SOLAR POWERED VENTING PDX - FIXED**

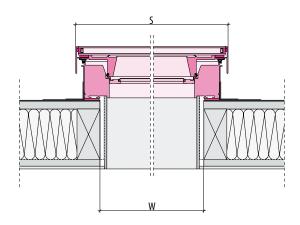
The PDS/PDX skylight represents modern engineering and design, fully in line with today's standards. It combines style, efficiency, and functionality to meet the diverse needs of residential and commercial spaces. With energy-saving features and robust compatibility with various roof types, this skylight offers an intelligent solution that contributes to both aesthetics and practicality.

- **Features:** frameless top glass surface in unique design
 - white PVC frame with EPS foam insulation for energy efficiency
 - options for double or triple glazing available
 - suitable for flat or pitched roofs with slopes from 0-60 degrees
 - flashings for pitched roof installation work with slopes between 15-60 degrees
- solar panel with battery and rain sensors ensures reliable operation (PDS only)
- factory-programmed remote control included with the skylight (PDS only)
- mosquito screen included (PDS only)

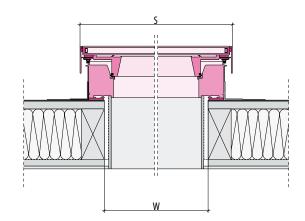








PDS solar powered, PDX fixed							
Glazing unit	G33	G53					
SHGC	0.19	0.17					
U-factor [BTU/h ft2F]	0.37	0.29					
VT visible transmittance	0.36	0.33					
CR condensation resistance	62	67					





2022-2032 save 30% Federal tax credit for **PDS** skylight



FAKRO PDX AND PDS S	KYLIGHT DIMEN	NSIONS									
		Н	П	П	П	П		П	П		
SKU# PDX	80HR33	80HR36	80HR37	80HR38	80HR39	80HR40	80HR42	80HR43	80HR44	80HR46	80HR48
SKU# PDS	-	80HS36	80HS37	80HS38	80HS39	-	80HS42	80HS43	80HS44	80HS46	80HS48
Size	14 ½ x 45 ¾*	21 x 26 1/8	21 x 37 ⁷ / ₈	21 x 45 ¾	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
Frame external size (SxL)	20x51	26 ¹ / ₄ x32 ¹ / ₈	261/4 x 431/8	261/4 x51	261/4x595/8	261/4x751/2	351/4x431/8	351/4x51	35 ¹ / ₄ x59 ⁵ / ₈	491/2x321/8	49½x51

FLASHINGS FOR DECK MOUNTED **SKYLIGHTS**

STANDARD FLASHINGS:





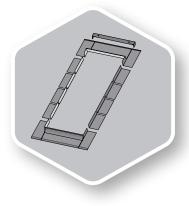


EL flashing is suitable for skylights installed with flat roofing materials such as shingles, plain-tile, double-lap roofing and slates. The side elements of the flashing are laid alternately with the roofing material (maximum roofing material thickness 5/16"). The bottom section of the flashing is equipped with a butyl strip to protect against wind driven rain in stormy conditions.

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

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

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



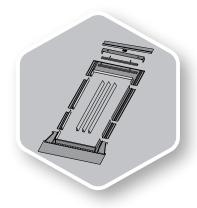


The flashing for profiled and high-profiled corrugated materials joins the skylight with roofing materials such as tiles, corrugated and standing seam metal sheets. A wider and longer lower section allows a tighter joint with the high profiled roofing material (the height of the profile 11/4 "to 31/2"). A butyl strip holds down the bottom section of flashing.

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

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

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





THERMO FLASHINGS:





EL-TTHERMO, ELA-TTHERMO

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*.

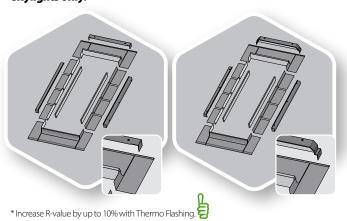
EL-T – flashing for use with FX skylights only ELA-T – flashing for use with FV, FVE, FVS skylights only.

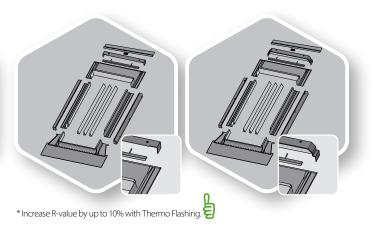


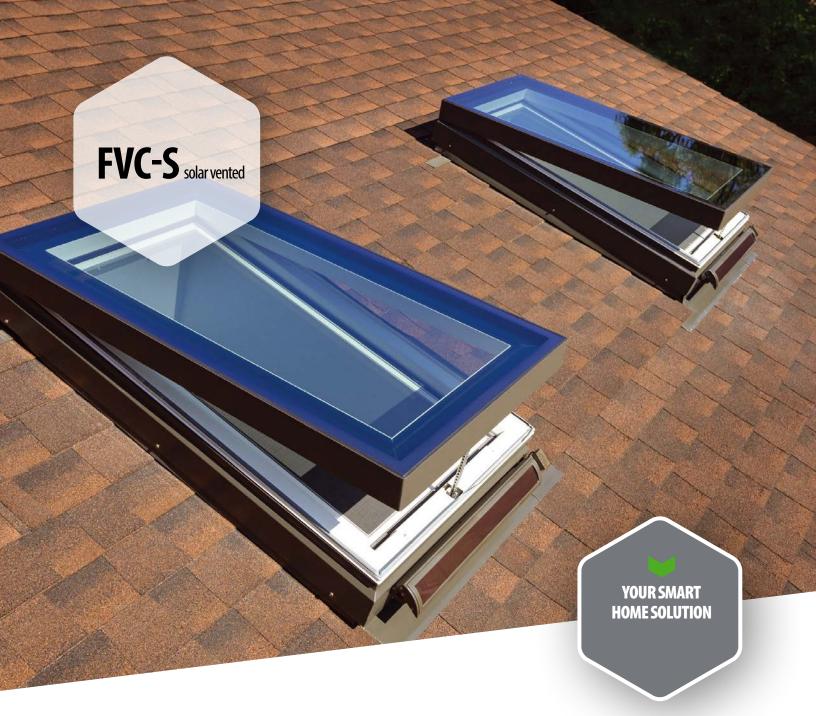
EH-AT THERMO, EH/A-AT THERMO

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, FVE, FVS skylights only.



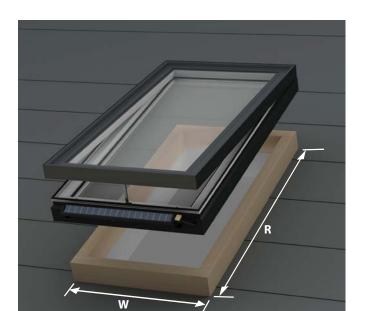




PREMIUM CURB MOUNTED SOLAR **VENTING SKYLIGHT FVC-S**

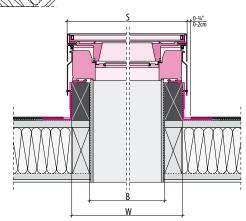
Innovative skylight intended for both flat and pitched roofs featuring excellent thermal performance and modern design. The FVCS skylight is available in two versions – with single chamber solar glazing unit G32 (equipped with two tempered panes) or G33 (with external tempered pane and internal laminated). Both versions come 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



▼ FAKRO®

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					





2022-2032 save 30% Federal tax credit for FVC-S skylight



FAKRO FVC-S S	KYLIGHT	DIMENSIONS									
			П	п			П	П	П	п	
SKU# FVC-S G3	3	809803	809804	809805	809806	809807	809808	809809	809810	809811	809812
Size		22/22	22/30	22/34	22/46	22/70	30/30	30/46	34/34	34/46	46/46
Outside frame (SxL)	in.	271/4 x 271/4	271/4x351/4	271/4 x 391/8	27¼ x 51¼	271/4 x 751/8	35¼ x 35¼	35¼ x 51¼	39 ¹ / ₈ x 39 ¹ / ₈	39½x 51¼	51¼ x 51¼
Outside curb (WxR)	in.	25½x25½	251/2x331/2	25½ x 37½	25½ x 49½	25½ x 73½	33½ x 33½	33½ x 49½	37½ x 37½	37½ x 49½	49½ x 49½
Daylight area (glass)	sq. ft. m²	2.45 0.23	3.49 0.32	4.01 0.37	5.58 0.52	8.71 0.81	4.98 0.46	7.95 0.74	6.57 0.61	9.13 0.85	12.70 1.18



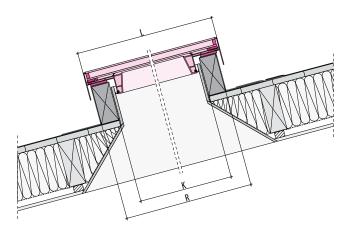
PREMIUM CURB MOUNTED **FIXED SKYLIGHT**

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.

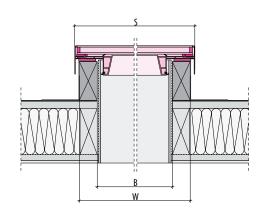
- **Features:** suitable for roof pitches between 0-60 degrees
 - infinity glass modern design helps with water run-off
 - low-emission and heat-reflecting double glazing with
 - warm spacer increases condensation resistance
- white PVC frame allows installation of internal blinds
- internal gasket system 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													
		П	П	П	П	П	П	П	П		П	П	
SKU# FXC	G33	80EP01	80EP02	80EP03	80EP04	80EP05	80EP06	80EP07	80EP08	80EP09	80EP10	80EP11	80EP12
Size		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.	19¼ x 35¼	1¼ x 51¼	27¼ x 27¼	27¼ x 35¼	27¼ x 39 1/8	27¼ x 51¼	27¼ x 751/8	35¼ x 35¼	35¼ x 51¼	39¹/8 x 39¹/8	39½ x 51¼	51¼ x 51¼
Outside curb (WxR)	in.	17½ x 33½	17½ x 49½	25½ x 25½	25½ x 33½	25½ x 37½	25½ x 49½	25½ x 73½	33½ x 33½	33½ x 49½	37½ x 37½	37½x 49½	49½ x 49½
Daylight area (glass)	sq. ft. m²	3.12 0.29	4.63 0.43	2.45 0.23	3.49 0.32	4.01 0.37	5.58 0.52	8.71 0.81	4.98 0.46	7.95 0.74	6.57 0.61	9.13 0.85	12.70 1.18



> STANDARD CURB MOUNTED FIXED SKYLIGHT

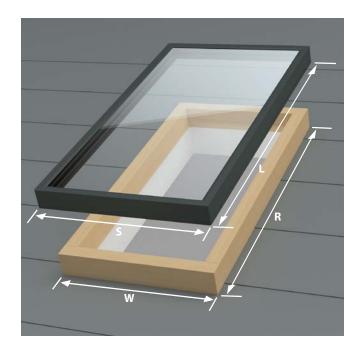
FAKRO FXR is an easy and affordable way to add natural light to any interior. It's simple but versatile frame design makes it a perfect fit for a new and any retrofit project.

Features: • easy and simple installation

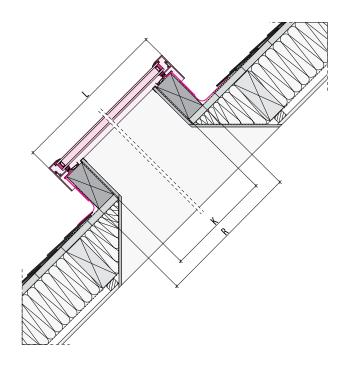
- suitable for roof pitches between 0-60 degrees
- low-emission and heat-reflecting double glazing with Argon gas
- warm spacer increases condensation resistance
- 360° turn-around installation

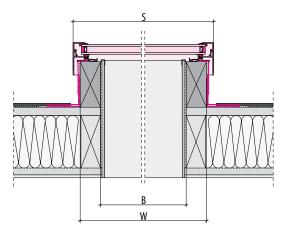
- available with EL-C or EH-C flashing
- a channel built into the inner frame of the skylight collects moisture and drains it to the outside
- suitable for curb made of 2"x4", 2"x6" or 2"x8"
- no internal accessories available





	FXR
Glazing unit	G31 tempered-laminated
SHGC	0.26
U-factor [BTU/h ft²F]	0.49
VT visible transmittance	0.51







FAKRO FXR SKYLIGHT DIMENSIONS SKU# FXR G31 80FB01 80FB02 80FB05 80FB17 80FB19 80FB20 80FB28 80FB21 80FB22 80FB23 80FB24 80FB26 80FB29 80FB30 80FB27 80FB31 Size 14/30 14/46 22/22 22/30 22/34 22/46 22/55 22/70 30/30 30/46 34/34 34/46 30/55 30/72 46/46 46/72 Outside curb 17½x33½ 17½x49½ 25½x25½ 25½x33½ 25½x33½ 25½x49½ 25½x58½ 25½x73½ 33½x33½ 33½x49½ 37½x37½ 37½x37½ 33½x58½ 33½x58½ 33½x58½ 33½x58½ 33½x58½ (WxR) 3.06 4.67 3.52 4.77 5.39 7.27 8.68 11.02 6.46 9.85 8.25 11.13 11.60 15.27 15.01 23.32 Daylight area sq. ft. (glass) 0.29 0.43 0.33 0.44 0.50 0.68 0.81 1.02 0.60 0.92 0.77 1.03 1.08 1.42 1.39 2.17



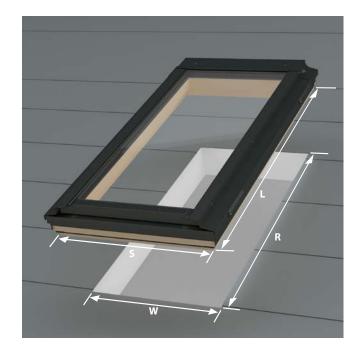
DECK MOUNTED ROOF ACCESS WINDOW

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.

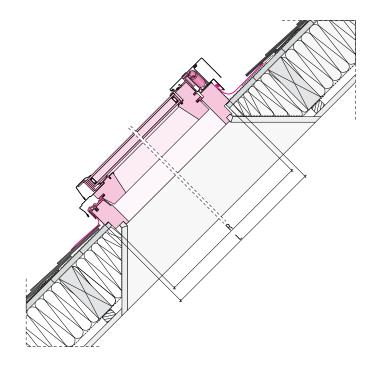
* model FWU 24/46 tested in accordance with IRC section R 310.1.1, R 310.1.2, R 310.1.3, R 310.1.4

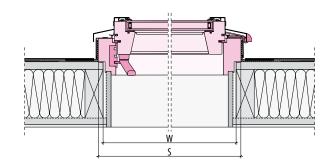
- **Features:** suitable for roof pitches between 15-55 degrees
 - low-emission and heat-reflecting double glazed glass
 - factory finished frame
 - handle positioned halfway up the sash for ease of opening
- internal gasket system to collect and drain any possible condensation water to the outside
- 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 Size		808807 24/38	808808 24/46	876C08 37/46*
Rough opening (WxR)	in.	221/4 x 371/3	221/4 x 451/4	38½ x 47¾
Outside frame (SxL)	in.	23½ x 381/8	23½ x 46¼	36 ⁷ / ₈ x 46 ¹ / ₄

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





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



		Н	Н
SKU# FGH-V P2		870CCD	870CDD
Size		31/101	38/101
Rough opening (WxR)	in.	31½- 32 x 101	37½ - 32 x 10°
Outside frame (SxL)	in.	305/8 x 1001/8	36 ⁷ /8 x 100 ¹ /8
Daylight area (glass)	sq. ft. m²	14.21 1.32	17.98 1.67



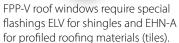
DECK MOUNTED TOP HUNG AND PIVOT ROOF WINDOW

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. Innovatory 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.









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
- 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



0.59

(glass)



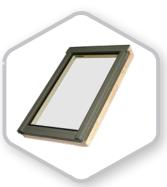




FNP

FNP is an energy efficient fixed roof window designed for projects such as NetZero or Passive Homes where low heat transfer is critical. FNP has triple glazed glazing unit with warm spacers and low-E coating. In standard the frame is finished with translucent lacquer to show fine wood grains.

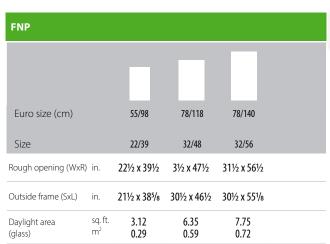
F	NP
Glazing unit	P5/G2
SHGC	0.20
U-factor [BTU/h ft ² F]	0.17
VT visible transmittance	34.4



Features:

- suitable for roof pitches between
 15 and 90 degrees
- European installation method where the window frame sinks below roof deck to minimize thermal bridge
- best when combined with Thermo flashing that adds insulation to the outside of the window frame
- available in 34 standard sizes
- in stock in three most popular sizes
- custom size available









DECK MOUNTED THERMO WINDOW

FTT U6, FTT U8 Thermo

The innovative FTT roof window offers very good overall heat-transfer coefficient for the whole window, guaranteeing significant energy savings. They can be widely installed in energy efficient construction such as Passive Houses. FTT windows are available in two versions:

- FTT U8 Thermo window, equipped with a triple-chamber U8 glazing unit, supplied and installed with EHV-AT Thermo
 - FTT U8 Thermo windows are characterized by the best U-value = $0.10 \, BTU/h \, ft^2 F$.
 - making it the most energy-efficient roof window on the market.
- FTT U6 is equipped with a double-chamber glazing unit U6. The window can be installed with any type of FAKRO flashing. The U-value for the entire FTT U6 window is Uw = 0.14 BTU/h ft²F.

The glazing of the FTT window is set in a specially designed wooden frame with a wider profile when compared to standard windows. This feature minimizes thermal bridges and improves the window's thermal insulation.

The FTT is a center pivot window with a raised axis of rotation. This creates space and makes standing under the open window more comfortable.





Highly energy efficient glazing unit U6.

Pough opening (WyR) in



Passive U8 glazing unit The most efficient roof window available on the market. Supplied and installed with flashing EHV-AT Thermo.

FAKRO PIVOT WINDOWS FTT U6, FTT U8 THERMO DIMENSIONS



nough opening (wxn)	111.	2272 X 3972	3172 X 4772	3 172 X 3074
Outside frame (SxL)	in.	21½ x 385/8	30½ x 46½	30½ x 55⅓
Daylight area	sq. ft.	3.12	6.35	7.75
(glass)	m ²	0.29	0.59	0.72

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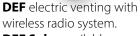
Features:

- the sash frame is thicker in comparison with a standard window and significantly increases durability and the thermo-insulating properties of the whole product
- outstanding energy savings, two chamber glazing unit "warm" TGI spacing frames; the combination of two materials, plastic and metal, along with a proper TGI frame shape, guarantees a tight barrier and low heat permeation
- guintuple sealing system; all seals are made of the highest quality materials (thanks to their high flexibility and elasticity, they adhere better to the glass pane further reducing heat loss or heat gain)
- innovative mechanism for closing the sash without a conventional locking mechanism (when the handle is turned, the sash is locked at both sides of the frame)
- effective protection against noise infiltration
- installed on roof pitches between 15° and 70°
- wide range of accessories available
- the sash stops in the open position in the range from 0° to 45° because it is assisted by an innovative supporting mechanism. Large window sizes allow ample light into the room while a raised axis of rotation allows unobstructed access to the open window



Flat roof windows are available in three versions:





DEF Solar available on special order

Features:

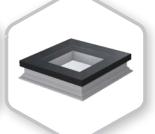
- suitable for roof pitches between 2 and 15 degrees
- innovative glazing unit featuring modern design
- perfect solution for passive houses
- available with two glazing units: DU6 (triple-glazed) and DU8 (quadrupleglazed)
- excellent thermal insulation parameters for the entire quadruple glazed (DU8) 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
- up to 16% greater glazing area when compared with the solution of competitive options
- can be used with roofing products as TPO, PVC, EPDM single ply or torched down membranes



DECK MOUNTED SKYLIGHT FOR A FLAT ROOF

D_F

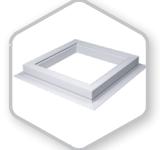
The benefits of natural illumination of the building are unquestionable but it happens that in interiors with flat roofs it is not always possible to install standard vertical windows. Every room should provide a source of natural light for a person to feel comfortable. The ideal solution in such cases 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 57/8", which raises the skylight and allows its installation e.g. in green or living roofs.



DXF fixed.



Rain sensor.



Installation base XRD.



DMF manual venting.

FAKRO FLAT ROOF DECK MOUNTED SKYLIGHT D_F DIMENSIONS

		П	п			
SKU# DEF DU6	5	80CG54	80CG56	80CG57	80CG58	80CG59
SKU# DXF DU	5	80CC54	80CC56	80CC57	80CC58	80CC59
Size		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	34¾ x 34¾	34¾ x 465/8	46 ⁵ /8 x 46 ⁵ /8
Outside frame (SxL)	in.	39¹/4 x 39¹/4	39¹/ ₄ x 44¹/ ₈	44¹/8 x 44¹/8	44½ x 55½	55 ⁷ /8 x 55 ⁷ /8

WALKABLE SKYLIGHT

DXW

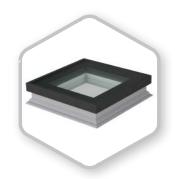
The DXW walkable skylight is another head turning FAKRO product, designed for useable flat roofs to create a fully walkable surface above while the once dark room below becomes infused with light. Its modern design and quality finish are sure to stand out in any room with subtle lighting and remain unobtrusive 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
- quick and easy installation with profiles that clamp the covering material and facilitate the finish of the window connection with the roofing material included as standard
- 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 DV	V6	80EM54	80EM56	80EM57	80EM58	80EM59			
Size		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	34¾ x 34¾	34¾ x 465/8	46 ⁵ /8 x 46 ⁵ /8			
Outside frame (SxL)	in.	39¹/4 x 39¹/4	39¹/ ₄ x 44¹/ ₈	44¹/8 x 44¹/8	441/8 x 557/8	55 ⁷ /8 x 55 ⁷ /8			





DRF

The DRF insulated roof access skylight is a new product which expands the range of FAKRO solutions for flat roofs. In addition to serving as a skylight, it has an extra utility feature providing safe and convenient access to the flat roof. Special hinges and a functional opening system used in the access roof light ensures easy sash opening up to 80°. Gas springs the operation of the sash and keep it stable in the open position, thus protecting against accidental closing. What is more, roof access skylights feature increased safety of use thanks to the application of 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 DU	_	80FI 54	80FI 56	80FI 57	80FI 58	80FI 59			
Size	•	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	34¾x 34¾	34¾x 465/8	46 ⁵ /8 x 46 ⁵ /8			
Outside frame (SxL)	in.	391/4 x 391/4	39¹/ ₄ x 44¹/ ₈	44¹/8 x 44¹/8	44½ x 55½	55 ⁷ /8 x 55 ⁷ /8			

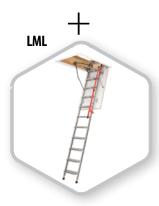
> FLAT ROOF ACCESS DOOR

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



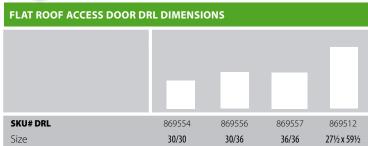
- can be installed in the opening under the DRL roof access door
- gas piston supports unfolding and folding the ladder
- additional upper tread for safe step-up
- wide 5" (13cm) anti-slip treads



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 60°. 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



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

BLACK OUT BLINDS COME IN TWO COLOR CATEGORIES:





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.

Blackout blinds for skylights

SRF-EX Solar – solar blackout blind for FX skylights*
SRF-EV Solar – solar blackout blind for FV, FVE skylights*
SRF-MX – manual blackout blind for FX skylights
SRF-MV – manual blackout blind for FV skylights

Blackout blinds for roof windows

ARF – manual blackout blind for pivot roof windows **ARF Solar** – solar blackout blind for pivot roof windows

Blackout blinds for flat roof windows

ARF/D – manual blackout blind for flat roof windows **ARF/D Solar** –solar blackout blind for flat roof windows*

*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.



2022-2032 save 30% Federal tax credit for SRF/ARF Solar



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.

SRP light reducing blinds for skylights:

SRP-EX-solar light-reducing blind for FX skylights

SRP-EV-solar light-reducing blind for FV, FVE skylights

SRP-MX - manual light-reducing blind for FX skylights

SRP-MV - manual light-reducing blind for FV skylights

ARP – manual light-reducing blind for roof windows **ARP Solar** – solar light-reducing blind for pivot roof windows

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







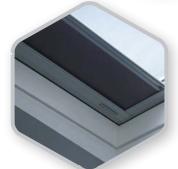
ACCESSORIES FOR FLAT ROOF SKYLIGHTS



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**





TAX

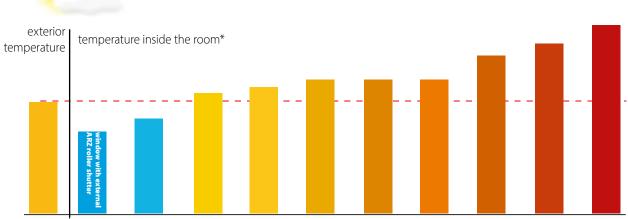
The telescopic control rod ZSD is for operating flat roof windows and internal roller blinds. Standard rod length is 46³/4" (119 cm), maximum length is 10' 10" (330cm).



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.



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

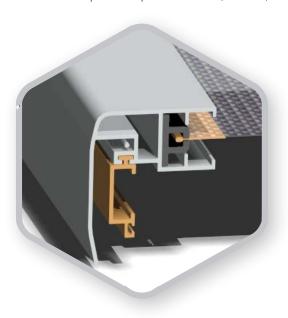


Fabric with 10% relative open area, awning blinds from group I and II.



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).



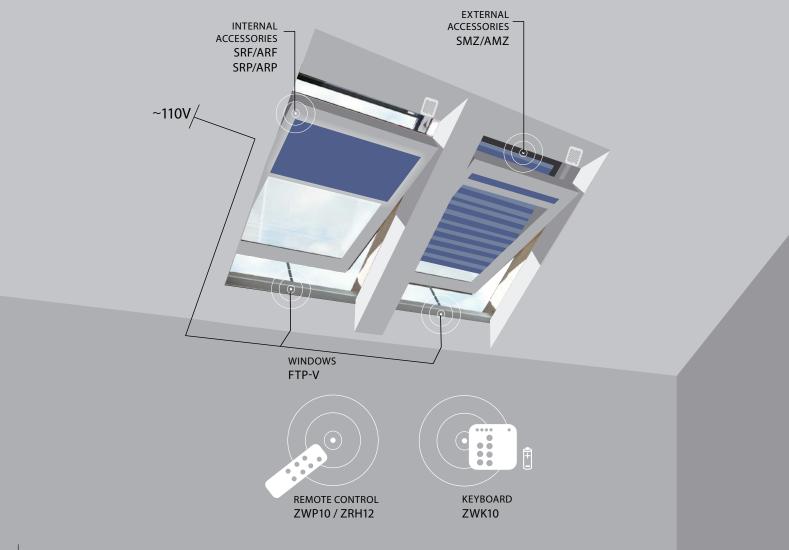




FAKRO has equipped its products with a revolutionary radio communication system, a wireless protocol used for communication between household appliances. It serves the purpose of combining compatible devices into a single network. Electric devices such as: lighting, thermostats, alarms, computers, telephones, air conditioning, electric windows and blinds.

The radio system is easy to install, expand, and manage at every stage of use. Installation of the system saves on cost and time and maximizes the usage comfort, as it does not require any control units or fitting wires between electronic devices. It is intended for buildings under construction as well as already existing structures.

For radio waves sent from a controlling device (e.g. remote control) there is a set route in which the command reaches the correct device and performs the function that was sent. Confirmation and reception of the command is required in order for this to work.







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.

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.



Remote control

ZWP10 US - the ZWP10 remote control enables radio control of electrical devices which are compatible with the radio communication system. The remote control can be used to operate up to 10 receivers individually and up to 231 receivers in groups.



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 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).





LIGHT TUNNELS

SR_,SF_

FAKRO light tunnels are designed to bring natural light to every part of a building. The light tunnel makes it possible to illuminate all rooms in the building, even those which cannot be fitted with roof windows or vertical windows. Dimly lit interiors such as bathrooms, dressing rooms, corridors, staircases or basements can be particularly uncomfortable to use. The light tunnel enhances the user's comfort and saves energy.

Features:

- flat roofing element consists of an aluminum frame with 4mm thick, tempered glass on the outside
- integrated flashing for flat or profiled roofing materials
- the outside finish is grey-brown color RAL 7022 that is perfectly blending in with roof covering materials
- the rigid light-transmitting tube is made of aluminum, which is covered with a highly reflective silver based layer. It is characterized by a high-efficiency light-reflective factor of over 98% light. The transmitting flexible tube is made of metallised polyester, additionally reinforced with metal wire (ideal for installation over short distances in rooms with structural obstacles that have to be bypassed)
- ceiling frame is made of organic glass and is equipped with a built-in light-diffusing element
- the light tunnel consists of light-collecting element, flashing, rigid or flexible light transmitting tube, diffuser and ceiling frame. SR_ light tunnels in size 22" do not include the SRK elbow.

The total length of sections connected in a straight line is 82.5/s" 2,1m (SR_ 70.7/s" 1,8m).











- **SFH** flat light tunnel with flexible tube and integrated flashing for high profiled roofing material like tiles or standing seam
- **SRH** flat light tunnel with rigid tube and integrated flashing for high profiled roofing materials like tiles and standing seam







SFL - flat light tunnel with flexible tube and integrated flashing for flat roofing materials like shingles

SRL - flat light tunnel with rigid tube and integrated flashing for flat roofing material like shingles



ACCESSORIES FOR SF_-L FLEXIBLE LIGHT TUNNEL **FAKRO**°

SF_: flexible light transmitting tube (6′ 10 ½″ long), roof section with integrated flashing, diffuser and ceiling frame. Comes with an installation kit.



SLM Light Transmitting Tube Extension Kit. The kit for flexible reflective tubing (SF_), consists of: connecting ring, light transmitting tube 47" (120cm), adhesive tape. The light - transmitting tube has other lengths available to order, calculated as multiples of 1' (30cm) e. g. 2', 3', 4' (60cm, 90cm, 120cm). The maximun length is 210cm.



SLO light kit is used as an alternative source of light in the room after dark. Installed inside the light tunnel. Bulb power: max 40W (E14).

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ACCESSORIES FOR SR_-L RIGID LIGHT TUNNEL

SR_: 3x rigid light - transmitting tube elements (24" long), roof section with intergated flashing, diffuser and ceiling frame. Comes with an installation kit.



SRM Rigid Tube single extension element 24" (61cm) long, is made of aluminum.



SLO light kit is used as an alternative source of light in the room after dark. Installed inside the light tunnel. Bulb power: max 40W (E14).



SRK Changing Angle Elbow for the SR_ light tunnel. The elbow changes the angle of the light - transmitting tube anywhere between 0° and 45°.



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.

Standard FAKRO skylights comply with the applicable requirements of the:

International Building Code (IBC) International Residential Code (IRC) International Energy Conservation Code (IECC)

FAKRO deck mounted skylights are tested according to Canadian Standards Association (CSA) requirements.

With the use of highly selective solar glass in our glazing units, FAKRO skylights are NFRC and ENERGY STAR® qualified for use in the USA and Canada (Zone 1 and 2 with the use of thermo flashing). 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.







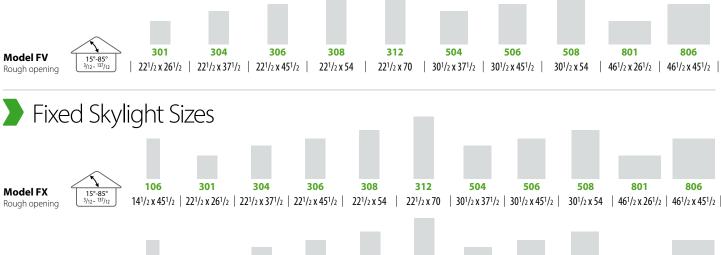


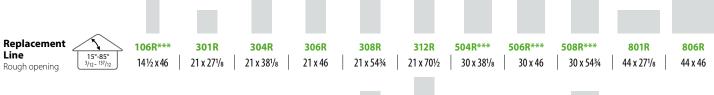


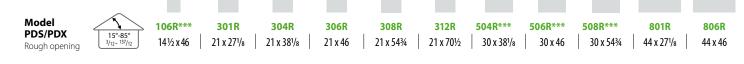
Electric or Solar Venting Skylight Sizes Model 301 304 306 308 312 504 **FVE, FVS**

Manual Venting Skylight Sizes

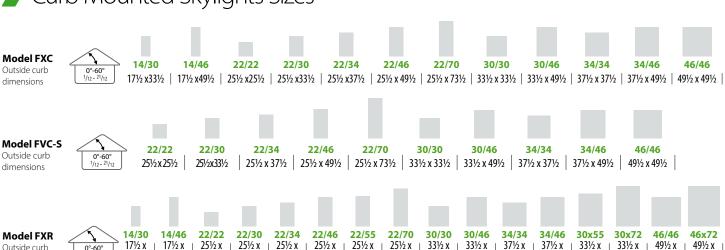








Curb Mounted Skylights Sizes























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