VELUX curved glass ISU 1093

0°-15°

Available base units

CFU 20Q fixed

CFU 25Q fixed

CVU 20Q electric

CVU 20Q solar

CVU 20Q electric

CVU 25Q electric

CVU 25Q solar

CVU 25Q electric

20= double-glazed, 25= triple-glazed

The innovative, maintenance-free curved glass top unit for glass rooflights is a revolution in rooflight design. The premium choice for homeowners that are looking for a glass-to-edge design that boosts the appearance of their homes and delivers optimal drainage - even in 0° roof pitch. The outer glass is toughened making this a highly durable top unit that has increased resistance to wind, snow and hail. The curved glass top unit is compatible with all base units for glass rooflights CFU/CVU.

- Seamless glass-to-edge design blends into the roof and integrates perfectly onto flat-roofed homes.
- The curved-shaped top with natural drainage effect allows the window to be installed in roofs with 0° pitch
- Maintenance-free glass gives peace of mind and features a stylish design
- Discretely placed blackout or awning blind lets you enjoy maximum daylight influx and a stylish interior design at all times.
- The outer glass of the top unit is strength-tested in tough weather conditions.
- Toughened outer glass is attached with high-strength weather-proof sealant.
- Easy and safe transportation of the top unit from ground to roof; no need for manual lifting.

CE

Creation date 19-03-2024 14:30:22 FRW Top units en-WW - Approved

Application guidance

The curved glass top unit ISU 1093 can be installed with all new generation base units within the roof pitch range of 0°-15° degrees.

Combine the curved glass top unit with a base unit that meets your need for daylight only, or daylight and ventilation. Choose the vented base unit for glass rooflight CVU for fresh air at the touch of a button or the fixed base unit for glass rooflight CFU if your primary need is to bring daylight into the room.

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Available sizes and daylight area

Compatible Base Units

A	CVU 20Q electric	G	CVU 25Q electric	M	CFU 20Q fixed
B	CVU 20Q electric, A*	H	CVU 25Q electric, A*	N	CFU 20Q fixed, A*
C	CVU 25Q electric	I	CVU 20Q solar	O	CFU 25Q fixed
D	CVU 25Q electric, A*	J	CVU 20Q solar, A*	P	CFU 25Q fixed, A*
E	CVU 20Q electric	K	CVU 25Q solar		
F	CVU 20Q electric, A*	L	CVU 25Q solar, A*		

	600	800	900	1000	1200	1500	2000
600	ISU 060060 (0.29) A, C, E, G, I, K, M, O		ISU 090060 (0.45) A, C, E, G, I, K, M, O				ISU 200060 (1.04) B, D, F, H, J, L, N, P
800		ISU 080080 (0.54) A, C, E, G, I, K, M, O				ISU 150080 (1.06) A, C, E, G, I, K, M, O	
900			ISU 090090 (0.70) A, C, E, G, I, K, M, O		ISU 120090 (0.95) A, C, E, G, I, K, M, O		
1000				ISU 100100 (0.88) A, C, E, G, I, K, M, O		ISU 150100 (1.35) A, C, E, G, I, K, M, O	ISU 200100 (1.82) B, D, F, H, J, L, N, P
1200					ISU 120120 (1.3) A, C, E, G, I, K, M, O	ISU 150120 (1.64) B, D, F, H, J, L, N, P	
1500						ISU 150150 (2.07) B, D, F, H, J, L, N, P	

All measurements are in mm. ( ) = Effective daylight area, m^2

*A=large sizes with glazing variant -A

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Technical values

Overview of technical values for the product, covering among other, CE marking in accordance with EN 1873 or EAD 200062-00-0401

Window characteristics	CFU 20Q + ISU 1093	CFU 25Q + ISU 1093	CVU 20Q + ISU 1093	CVU 20U + ISU 1093	CVU 25Q + ISU 1093	CVU 25U + ISU 1093
Air permeability, [class]	4	4	4	4	4	4
Thermal transmittance Urc,ref300 (CE-marked) (U-value)	0.65	0.55	0.65	0.65	0.55	0.55
Arc, ref300 (U-value transmission area)	4.4	4.4	4.4	4.4	4.4	4.4
Light transmittance (τ,v) (τ)	0.69	0.63	0.69	0.69	0.63	0.63
Sound insulation (Rw) R_wdB [dB]	39	42	39	39	42	42
Total solar energy transmittance (g-value) (g)	0.52	0.49	0.52	0.52	0.49	0.49
Ultraviolet transmittance (τ,uv) (τuv)	0.05	0.05	0.05	0.05	0.05	0.05
Burglar resistance window [class]	RC2	RC2	RC2	RC1	RC2	RC1
Frame factor	0.1	0.1	0.1	0.1	0.1	0.1
Air permeability, [class]	4	4	4	4	4	4
Reaction to fire [class]	D-s2, d2	D-s2, d2	D-s2, d2	D-s2, d2	D-s2, d2	D-s2, d2
Bonding of cover glass (glass of top unit) [class]	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75	ΔX≥0.75
External fire performance - European [class]	NPD	NPD	NPD	NPD	NPD	NPD
External fire performance - British [class]	NPD	NPD	NPD	NPD	NPD	NPD
Impact resistance [class]	3	3	3	3	3	3
Impact resistance large soft body [class]	N/A	N/A	N/A	N/A	N/A	N/A
Impact resistance small hard body [class]	N/A	N/A	N/A	N/A	N/A	N/A
Rain noise (Lia)	NPD	NPD	NPD	NPD	NPD	NPD
Resistance to downward loads	N/A	N/A	N/A	N/A	N/A	N/A
Resistance to fire [class]	NPD	NPD	NPD	NPD	NPD	NPD
Resistance to snow load	*	*	*	*	*	*
Resistance to upward load	N/A	N/A	N/A	N/A	N/A	N/A
Resistance to wind load [class]	C3	C3	C3	C3	C3	C3
Water tightness [class]	9A	9A	9A	9A	9A	9A

NPD: No Performance Determined
* : See glazing composition

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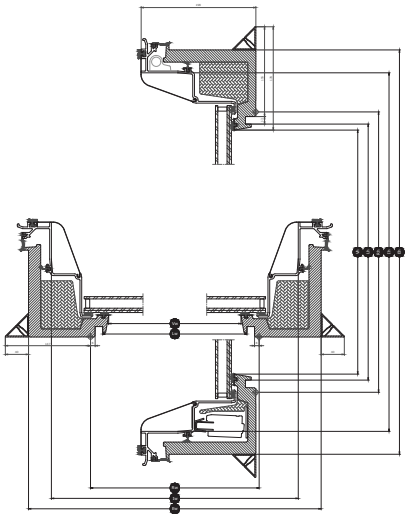
VELUX electric glass rooflight CVU, Glazing 20, double-glazed



Transform your home by bringing the magic of daylight and fresh air into areas where you never thought possible with the new generation of VELUX glass rooflights. The base unit for the electrically vented glass rooflight has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This vented base unit comes with 2-layer glazing, but is also available with 3-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic. It delivers fresh air at the touch of a button and has a pre-installed rain sensor that conveniently closes the window automatically in the event of rain, thus providing full peace of mind. It can even be operated via a smart phone, using the VELUX App Control. A both beautiful and convenient solution for your home.

- Unique ThermoTechnology™ material contributes to optimal energy efficiency and indoor comfort
- The wall switch is pre-paired to work with your rooflight right out of the box.
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.

Width		060	080	090	100	120	150
Vw	Visible glazing width	538.2	738.2	838.2	938.4	1138.2	1438.2
Lw	Inside groove measure width	559	759	859	959	1159	1459
Rw	Roof opening	600	800	900	1000	1200	1500
Iw	Inside sash measure width	736	936	1036	1136	1228	1636
Ew	Exterior frame width	815	1015	1115	1215	1415	1715

Height		060	080	090	100	120
Vh	Visible glazing height	538.2	738.2	838.2	938.2	1138.2
Lh	Inside groove measure height	559	759	859	959	1159
Rh	Roof opening	600	800	900	1000	1200
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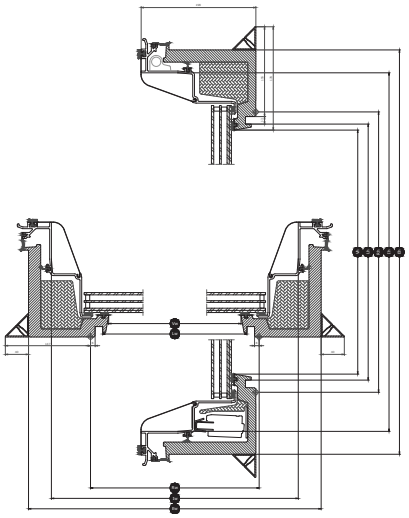
VELUX electric glass rooflight CVU, Glazing 25, triple-glazed



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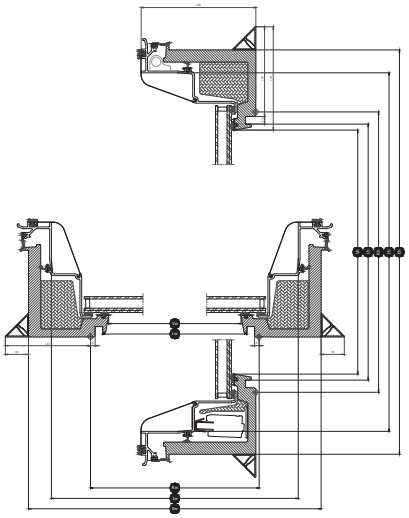
VELUX electric glass rooflight CVU, Glazing 20, double-glazed



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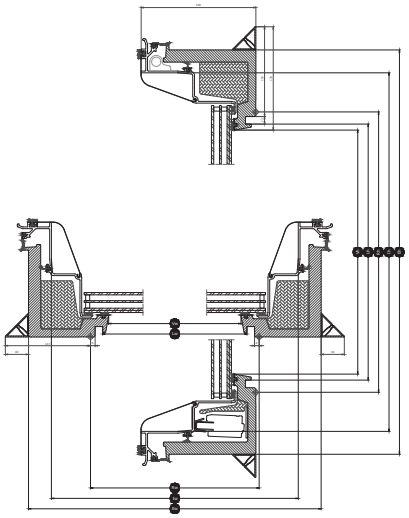
VELUX electric glass rooflight CVU, Glazing 25, triple-glazed



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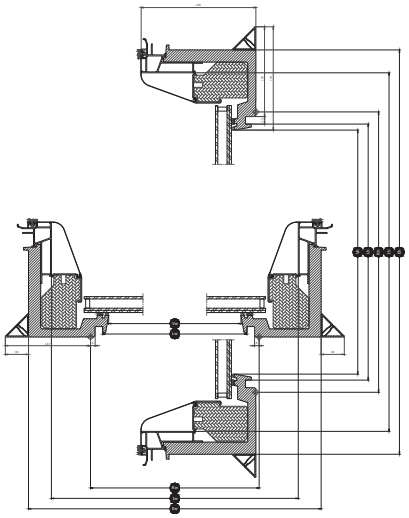
VELUX fixed glass rooflight CFU, Glazing 20, double-glazed



Transform your home by bringing the magic of daylight into areas where you never thought possible with the new generation of VELUX glass rooflights. The base unit of the fixed glass rooflight has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This fixed base unit has 2-layer glazing, but is also available with 3-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic, thus increasing your indoor comfort.

- Unique ThermoTechnology™ material contributes to optimal energy efficiency and indoor comfort
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.
- The loose installation triangle gives you more flexibility during installation and supports installation of the rooflight in different roofing materials and uneven roof surfaces.

Width		060	080	090	100	120	150
Vw	Visible glazing width	538.2	738.2	838.2	938.4	1138.2	1438.2
Lw	Inside groove measure width	559	759	859	959	1159	1459
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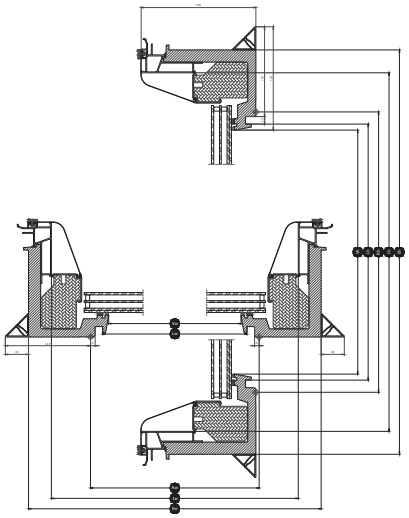
VELUX fixed glass rooflight CFU, Glazing 25, triple-glazed



Transform your home by bringing the magic of daylight into areas where you never thought possible with the new generation of VELUX glass rooflights. The base unit of the fixed glass rooflight has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This fixed base unit has 3-layer glazing, but is also available with 2-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic, thus increasing your indoor comfort.

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- The loose installation triangle gives you more flexibility during installation and supports installation of the rooflight in different roofing materials and uneven roof surfaces.

Width		060	080	090	100	120	150
Vw	Visible glazing width	538.2	738.2	838.2	938.4	1138.2	1438.2
Lw	Inside groove measure width	559	759	859	959	1159	1459
Rw	Roof opening	600	800	900	1000	1200	1500
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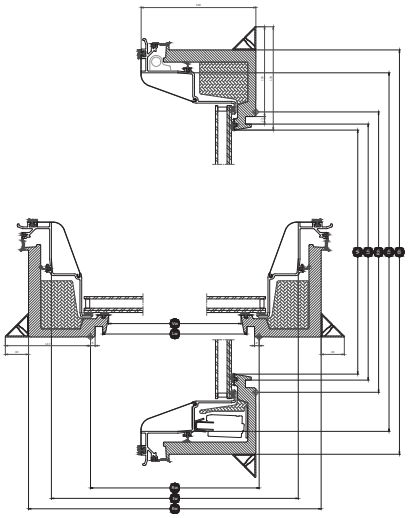
VELUX solar glass rooflight CVU, Glazing 20, double-glazed



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- The wall switch is pre-paired to work with your rooflight right out of the box.
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.

Width		060	080	090	100	120	150
Vw	Visible glazing width	538.2	738.2	838.2	938.4	1138.2	1438.2
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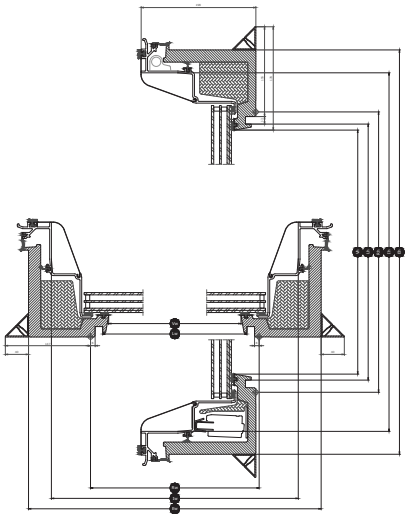
VELUX solar glass rooflight CVU, Glazing 25, triple-glazed



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- The wall switch is pre-paired to work with your rooflight right out of the box.
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.

Width		060	080	090	100	120	150
Vw	Visible glazing width	538.2	738.2	838.2	938.4	1138.2	1438.2
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Ih	Inside sash measure height	736	936	1036	1136	1228
Eh	Exterior frame height	815	1015	1115	1215	1415

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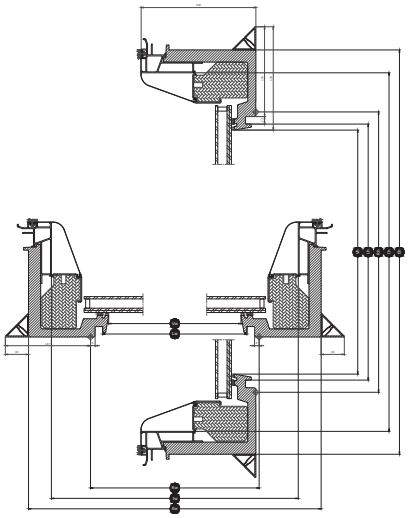
VELUX fixed glass rooflight CFU, Glazing 20A, double-glazed



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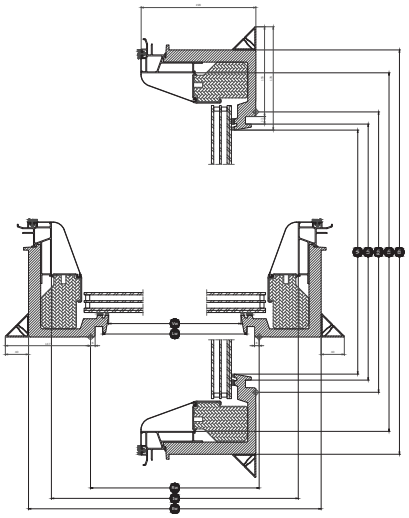
- The loose installation triangle gives you more flexibility during installation and supports installation of the rooflight in different roofing materials and uneven roof surfaces.

Width		150	200
Vw	Visible glazing width	1438.2	1938.2
Lw	Inside groove measure width	1459	1959
Rw	Roof opening	1500	2000
Iw	Inside sash measure width	1636	2036
Ew	Exterior frame width	1715	2215

Height		060	100	120	150
Vh	Visible glazing height	538.2	938.2	1138.2	1438.2
Lh	Inside groove measure height	559	959	1159	1459
Rh	Roof opening	600	1000	1200	1500
Ih	Inside sash measure height	736	1136	1228	1636
Eh	Exterior frame height	815	1215	1415	1715

Creation date 19-03-2024 14:30:22

VELUX fixed glass rooflight CFU, Glazing 25A, triple-glazed



Transform your home by bringing the magic of daylight into areas where you never thought possible with the new generation of VELUX glass rooflights. The base unit of the fixed glass rooflight has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This fixed base unit has 3-layer glazing, but is also available with 2-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic, thus increasing your indoor comfort.

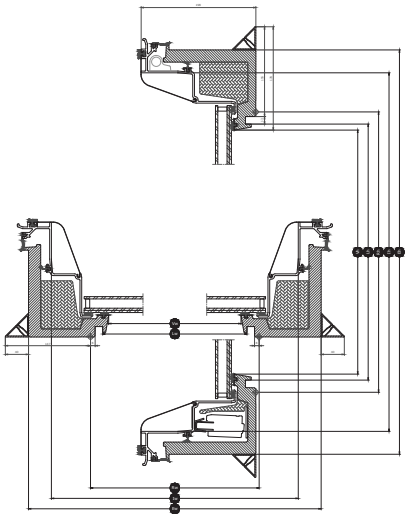
- Unique ThermoTechnology™ material contributes to optimal energy efficiency and indoor comfort
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.
- The loose installation triangle gives you more flexibility during installation and supports installation of the rooflight in different roofing materials and uneven roof surfaces.

Width		150	200
Vw	Visible glazing width	1438.2	1938.2
Lw	Inside groove measure width	1459	1959
Rw	Roof opening	1500	2000
Iw	Inside sash measure width	1636	2036
Ew	Exterior frame width	1715	2215

Height		060	100	120	150
Vh	Visible glazing height	538.2	938.2	1138.2	1438.2
Lh	Inside groove measure height	559	959	1159	1459
Rh	Roof opening	600	1000	1200	1500
Ih	Inside sash measure height	736	1136	1228	1636
Eh	Exterior frame height	815	1215	1415	1715

Creation date 19-03-2024 14:30:22

VELUX solar glass rooflight CVU, Glazing 20A, double-glazed



Transform your home by bringing the magic of daylight and fresh air into areas where you never thought possible with the new generation of VELUX glass rooflights. The glass rooflight base unit has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This solar base unit is fully powered by the sun and can be installed in any flat roof home without any need for wiring. The solar base unit comes with 2-layer glazing, but is also available with 3-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic. It delivers fresh air at the touch of a button and has a pre-installed rain sensor that conveniently closes the window automatically in the event of rain, thus providing full peace of mind. It can even be operated via a smart phone, using the VELUX App Control. A both beautiful and convenient solution for your home.

- Unique ThermoTechnology™ material contributes to optimal energy efficiency and indoor comfort
- The wall switch is pre-paired to work with your rooflight right out of the box.
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.

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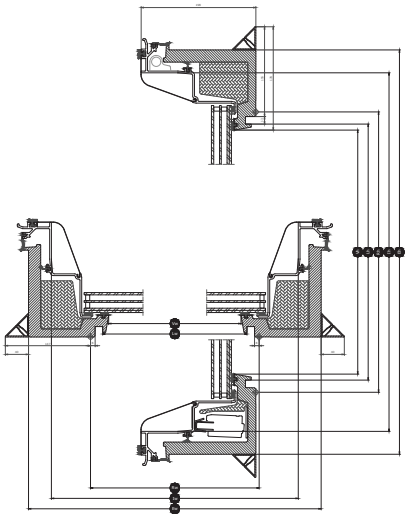
VELUX solar glass rooflight CVU, Glazing 25A, triple-glazed



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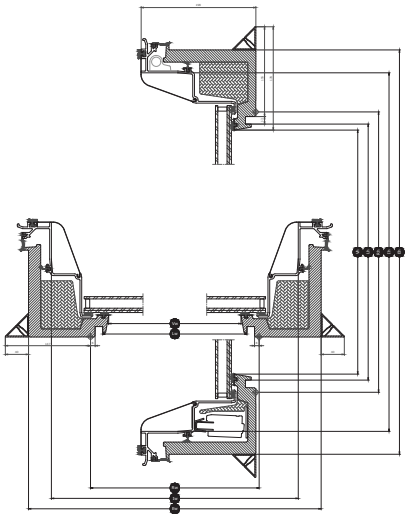
VELUX electric glass rooflight CVU, Glazing 20A, double-glazed



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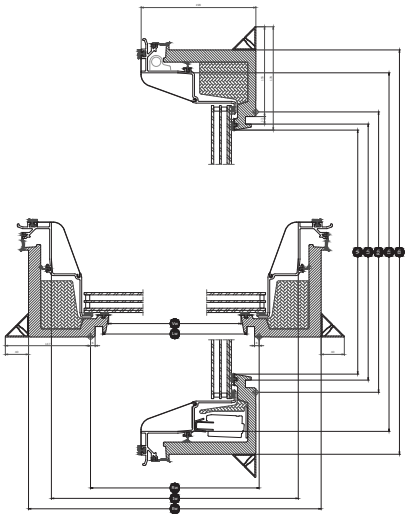
VELUX electric glass rooflight CVU, Glazing 25A, triple-glazed



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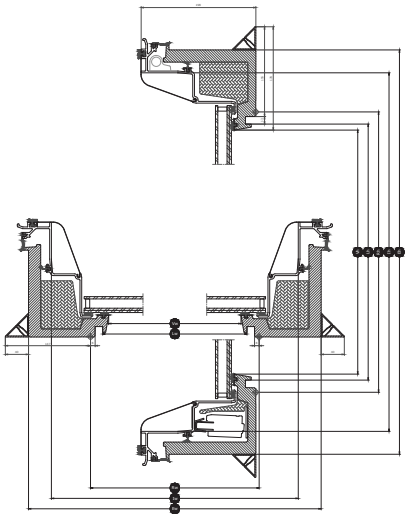

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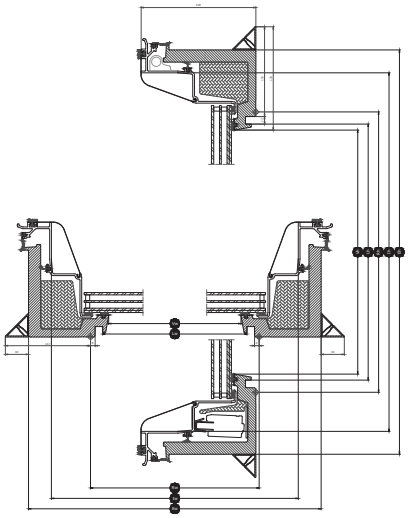

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Insulating glass unit structure

	Glazing 20, double-glazed	Glazing 20A, double-glazed	Glazing 25, triple-glazed	Glazing 25A, triple-glazed
Composition (from inside to outside)	7.5 mm laminated float glass - 16 mm Argon - 4 mm toughened glass with enamel	9.5 mm laminated float glass - 15 mm Argon - 8 mm toughened glass with enamel	7.5 mm laminated float glass - 10 mm Argon - 3 mm heat strengthened glass - 10 mm Argon - 4 mm toughened glass with enamel	9.5 mm laminated float glass - 10 mm Argon - 4 mm heat strengthened glass - 10 mm Argon - 8 mm toughened glass with enamel

Cleaning and maintenance

Cleaning of the top unit is only possible from the outside. When cleaning the top unit of vented glass rooflights, switch off the mains supply, ie do not open the rooflight.
To clean inner surface of top unit and outer glass surface of base unit, remove cover caps and screws to remove the top unit and fasten again after cleaning.
In regions with heavy snowfall, snow masses on the flat-roof window must be removed on a regular basis.

Guarantee period

Blinds and awnings

Complete your VELUX glass rooflight with a blind for complete comfort. Choose between an anti-heat blind to maintain a cool room on hot days or a blackout blind to block outside light for total darkness. The blinds are discreetly placed and do not compromise daylight and design when not in use. You also have the option of adding an insect screen that lets you enjoy fresh air without any insects.
Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented glass rooflight and blinds.

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Further information

We reserve the right to make technical changes.

For more information on our products, please visit https://velux.com.

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