

Dome rooflight GLASS

VELUX®
Commercial


The perfect combination of dome rooflight and insulation glazing technology
Robust daylight technology for greater efficiency and safety

Dome rooflight GLASS

- fixed or ventable flat roof daylight system
- profile integrated chain thrust motors for
 - daily ventilation with 300 mm lifting height (230V AC)
 - "Staircase SHEV" in accordance with state building code, with 500 mm lifting height (24V DC)
- alternative outfitting, with mechanical roof exit device

Technical data

- glazing variants:
 - heat protection glazing WSG 79/62 ($U_g = 1.1 \text{ W/m}^2\text{K}$)
 - + PMMA single-glazed $\rightarrow U_g = \text{approximate } 0.91 \text{ W/m}^2\text{K}$
 - + PMMA double-glazed $\rightarrow U_g = \text{approximate } 0.77 \text{ W/m}^2\text{K}$
- light transmission:
 - T_L dependent on the chosen glazing combination and version in opal or clear
 - of approximate 73% (1 x ISO + 1 x PMMA clear)
 - of approximate 65% (1 x ISO + 1 x PMMA clear + 1 x PMMA opal outside)
- total energy transmission:
 - g-value dependent on the chosen glazing combination and version in opal or clear
 - of approximate 61% (1 x ISO + 1 x PMMA clear)
 - of approximate 58% (1 x ISO + 1 x PMMA clear + 1 x PMMA opal outside)
- sound insulation: $\geq 35 \text{ dB}$

Product advantages

- Top quality product concerning heat and sound insulation
- completely thermally separated construction
- sound-absorbing heat protection glazing
- upstands with high thermal insulation in vertical or slanted design
- dimensioning for applications in accordance with EnEV 2014 (2016)
- fall-through protection: SB 350 according to NEN-EN 1991-1-1/NB
- natural room illumination with optimal light efficiency
- light, fresh air and a view in combination with comfort applications
- optional ventilation and inner shadowing system, with optional radio remote control
- connection to SMARTCONTROL for more comfort
- mechanical roof exit device upon request (upon request)

Dome rooflight GLASS round

- alternative versions also possible in round (fixed only)



Ventable dome rooflight glass, mounted on PVC AK upstand 16

Delivery programme for dome rooflight GLASS

Vertical upstands

Nominal size = ULW [cm]	PVC AK upstand 16 cm height	GRP AK upstand 30 + 50 cm height	ISO-THERM AK upstand 30, 40, 50 or 60 cm height
40 x 40	•	-	•
40 x 70	•	-	•
60 x 60	•	•	•
60 x 90	•	-	•
70 x 70	•	•	•
70 x 100	•	-	•
80 x 80	•	•	•
80 x 130	•	-	•
90 x 90	•	-	•
100 x 100	•	•	•
100 x 160	•	•	•
120 x 120	•	•	•
130 x 130	•	-	•
140 x 140	•	-	•

Sloped upstands

Nominal size = ULW [cm]	GRP AK upstand 30, 40 or 50 cm height	ISO-THERM AK upstand 30, 40, 50 or 60 cm height
60 x 60	•	•
60 x 90	•	•
80 x 80	•	•
-	-	-
90 x 90	•	•
90 x 120	•	•
100 x 100	•	•
100 x 150	•	•
-	-	-
120 x 120	•	•
120 x 180	•	•
140 x 140	•	•
150 x 150	•	•
-	-	-

Outfitting

Light influx area = OLW [cm]	Chain thrust motor profile-integrated	Interior shadowing, including radio remote control
40 x 40	•	•
40 x 70	•	•
60 x 60	•	•
60 x 90	•	•
70 x 70	•	•
70 x 100	•	•
80 x 80	•	•
80 x 130	•	•
90 x 90	•	•
100 x 100	•	•
100 x 160	•	•
120 x 120	•	•
130 x 130	•	•
140 x 140	•	•

• = deliverable - = not deliverable

Note:

All steep upstands are available with concealed cabling

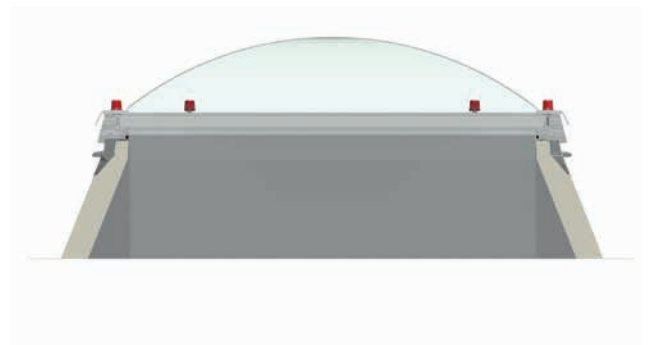
Note:

Only ISO-THERM AK upstand slanted can be provided with concealed cabling

Dome rooflight GLASS



Dome rooflight GLASS mounted on steep GRP AK upstand 30 cm, with concealed 230V drive and shadowing system, including a handheld radio remote control



Dome rooflight GLASS mounted on slanted ISO-THERM AK upstand 30 cm, with concealed 230V drive

Dome rooflight GLASS roof exit (with mechanical roof exit device)

Vertical upstands

Nominal size = ULW [cm]	PVC AK upstand 16 cm height	PVC ADD-ON 16 cm height	Light influx area = OLW [cm]
80 x 80	•	•	80 x 80
90 x 90	•	•	90 x 90
100 x 100	•	•	100 x 100
100 x 160	•	•	100 x 160
120 x 120	•	•	120 x 120

• = deliverable - = not deliverable

Dome rooflight GLASS roof exit



Dome rooflight GLASS mounted on steep PVC AK upstand 16, with mechanical roof exit system, including tandem gas pressure springs (1 x lockable), handles (inside and outside) and latch; maximum opening angle: 60°

Dome rooflight GLASS 24V (for geometric smoke exhaust)

Steep upstands

Nominal size = ULW [cm]	ISO-THERM AK upstand 30, 40, 50 or 60 cm height
100 x 100	•

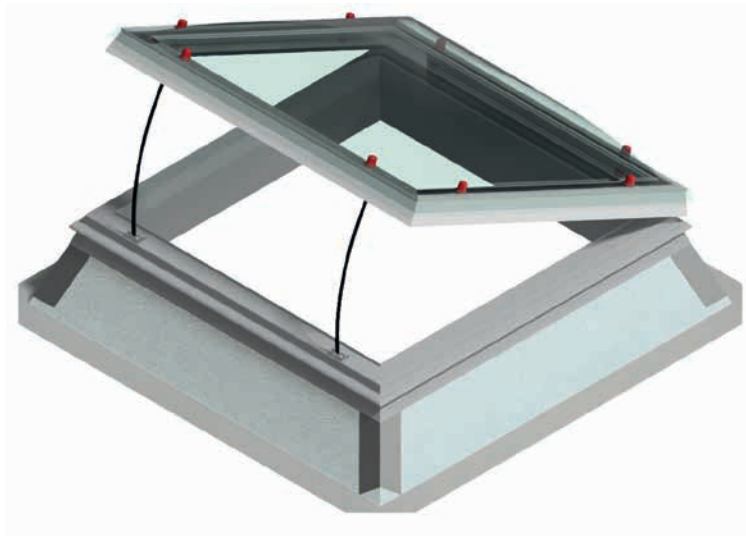
Slanted upstands

Nominal size = ULW [cm]	ISO-THERM AK upstand 30, 40, 50 or 60 cm height
120 x 120	•

Outfitting

Chain thrust motor profile-integrated	Light influx area = OLW [cm]
•	100 x 100

- = deliverable
- = not deliverable



Dome rooflight GLASS mounted on slanted ISO-THERM AK upstand 30 cm, with concealed 24V drive