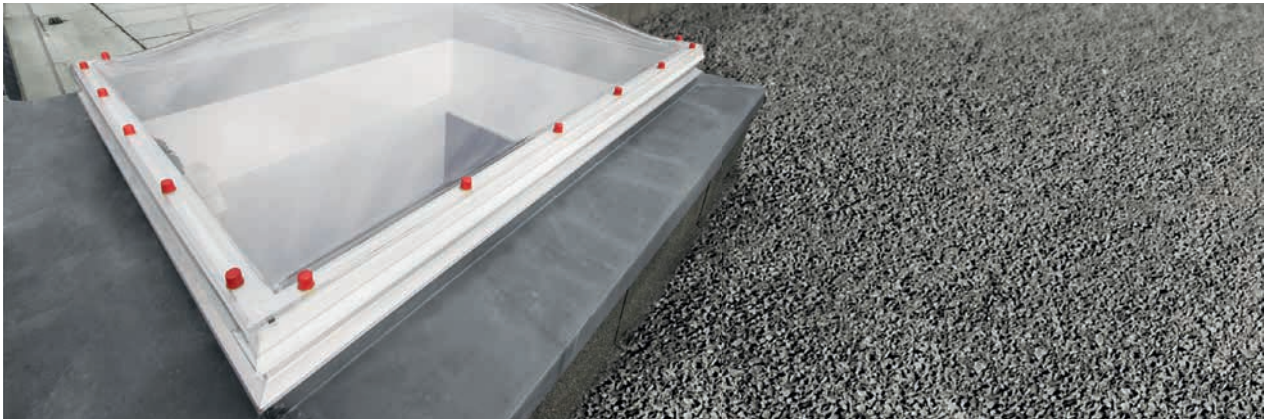


TOP-90 COMFORT/COMFORT S

VELUX®
Commercial


Complete transparency for clear views and plenty of light
The energetic alternative with sound protection potential in rectangular and round formats

TOP-90 COMFORT

- available as fixed or ventilated dome rooflight for flat roofs
- high-quality ventilation drives with 300 or 500 mm lifting height
- a wide range of rectangular and round sizes offer design alternatives

Glazing variants

1. Version: comfort (high-quality, UV-resistant plastic)

- shell composition four-skinned (completely clear):
 - thermal transfer coefficient:
 - U-value = 1.5 W/m²K according to DIN EN 1873:2006¹
 - U_t = 1.5 W/m²K according to DIN EN 1873:2014²
 - $U_{rc,ref300}$ = 1.21 W/m²K according to DIN EN 1873:2014³
 - light transmission: T_L minimum 75%
 - energy transmission: G value 68%
- shell composition four-skinned (outside opal):
 - light transmission: T_L >/= 65%
 - energy transmission: G value >/= 60%

optional polycarbonate shell outside³ (SUPER-TOP construction)

- increased resistance against hail according to VKF testing regulation no. 10 (HW 5 for water tightness)

optional – all shells made of PC³ (HAILSTOP construction)

- increased resistance against hail according to VKF testing regulation no. 10 (HW5 for water tightness, light transmission, appearance and mechanical strength)

sound insulation R_w = approximately 22 dB

Notes:

1) according to EN ISO 6946

2) U_t according to DIN EN 1873:2014 for horizontal installation

3) $U_{rc,ref300}$ = reference value of the total heat transfer coefficient of a dome rooflight with the order size 120 x 120 cm with a skylight base of height 300 mm (here: ISO-THERM upstand) according to DIN EN 1873:2014

2. Version: COMFORT S

(high-quality, UV-resistant plastic + LSG 8 mm)

optional design as COMFORT S

- thermal transfer coefficient:
 - U-value = 1.2 W/m²K according to DIN EN 1873:2006¹
 - U_t = 1.2 W/m²K according to DIN EN 1873:2014²
 - $U_{rc,ref300}$ = 1.11 W/m²K according to DIN EN 1873:2014³
- increased sound insulation (R_w ≥ 36 dB)
- permanent fall-through protection in closed position/ventilation position until 300 mm
- verification according to DIN 18008-6:2008-02 (according to the investigation report of the B 18 1412.4 TU-Darmstadt/DE)
- design of the roof exit (DA-EL, DA-M, DA-M-EL analog TOP-90 sound reduction)

Sound insulation R_w ≥ 36 dB

Product advantages

- better than the requirements of the EnEV 2014 (2016)
- high-quality design (equipped with chain thrust motor)
- provides light, fresh air and a clear view, ideal for improving indoor comfort
- optional ventilation and inner shadowing system, with radio remote control
- connection to SMARTCONTROL for more convenience



TOP-90 COMFORT sectional view



TOP-90 COMFORT S sectional view

1.1.2
TOP-90 PLUS

1.3.4
Dome rooflight accessories

3.4.2
SKYSIGHT

3.8.1
SMARTCONTROL

Product range of the TOP-90 COMFORT dome rooflight

Order sizes, square bottom, clear width upstand cm x cm	TOP-90 COMFORT with standard upstand type GRP AKi	TOP-90 COMFORT S with standard upstand type GRP AKi	Chain thrust motor	Shading/darkening
60 x 60	•	•	•	-
60 x 90	•	•	•	-
80 x 80	•	•	•	•
90 x 90	•	•	•	•
90 x 120	•	•	•	•
100 x 100	•	•	•	•
100 x 150	•	•	◦	•
100 x 200	•	•	◦	•
100 x 250	•	•	◦	•
120 x 120	•	•	◦	•
120 x 150	•	•	◦	•
120 x 180	•	•	◦	•
120 x 240	•	•	◦	•
120 x 270	•	•	◦	-
125 x 125	•	•	◦	•
125 x 250	•	•	◦	•
150 x 150	•	•	◦	•
150 x 180	•	•	◦	•
150 x 210	•	•	◦	•
150 x 240	•	•	◦	•
150 x 250	•	•	◦	•
150 x 270	•	•	◦	•
180 x 180	•	•	◦	•
180 x 240	•	•	◦	•
180 x 250	•	•	◦	•
180 x 270	•	-	◦	•
180 x 300	•	-	◦	-
200 x 200	•	-	◦	•
200 x 300	•	-	◦	-

Order sizes, round Ø	TOP-90 COMFORT with standard upstand type GRP AK	TOP-90 COMFORT S with standard upstand type GRP AK	Spindle motor	Shading/darkening
60	•	◦	•	-
80	•	◦	•	-
90	•	◦	•	-
100	•	◦	•	-
120	•	◦	•	-
150	•	◦	•	-
180	•	◦	•	-
200	•	◦	•	-
220	•	◦	•	-

• = available - = not available ◦ = upon request