

Refurbishment adapter frame

Type SAR

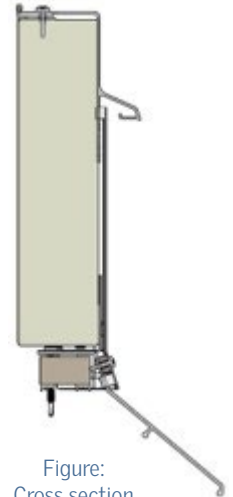
VELUX®
Commercial


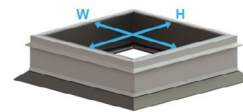
Figure:
Cross section

Flexible, safe, self-sufficient Rooflight refurbishment

The refurbishment adapter frame (SAR) ensures a flexible, safe and self-sufficient refurbishment of dome Rooflights. Easy to install on top of various existing on-site rooflight sub-constructions without the need of a roofer.

Refurbishment adapter frame (SAR)

- Safe refurbishment of dome rooflights on top of existing sub-construction
- Performance in accordance with DIN 18234-3:2018-05 spreading of fire from inside to roof*
- Fully functional as 12101-2 approved RWA, comfort ventilation and as fixed*
- Insulated with mineral wool and prepared for a secure and waterproof roof connection.
- Can be combined with Top units and fall through grids from the VELUX Commercial (TOP90) Rooflight offer
- Available in the height of 25 cm



Heat transfer coefficient

- Upstand: U_{upstand} value = 2.4 W/m²K
- 2-skin: Urc-value = 2.8 W/m²K
- 3-skin: Urc-value = 2.2 W/m²K
- 4-skin: Urc-value = 1.9 W/m²K

*According to DIN EN 1873:2014 reference size 120x120x25cm

RWA performance

- Order size 150x150x25cm = 1,58 m² Aa* including wind deflectors
- Order size 150x250x25cm = 2,63 m² Aa* including wind deflectors
- Operational reliability RE1000
- Resistance to heat class E

Order size (cm)	WxH (cm)	Order size (cm)	WxH (cm)
90 x 90	70 x 70	125 x 125	105 x 105
90 x 120	70 x 100	125 x 250	105 x 230
100 x 100	80 x 80	150 x 150	130 x 130
100 x 150	80 x 130	150 x 180	130 x 160
100 x 200	80 x 180	150 x 210	130 x 190
100 x 240	80 x 220	150 x 230	130 x 210
100 x 250	80 x 230	150 x 250	130 x 230
120 x 120	100 x 100	180 x 180	160 x 160
120 x 150	100 x 130	180 x 210	160 x 190
120 x 180	100 x 160	180 x 240	160 x 220
120 x 210	100 x 190	180 x 250	160 x 230
120 x 240	100 x 220	200 x 200	180 x 180
120 x 250	100 x 230		

**The Performance applies exclusively to the product(s) supplied by the VELUX Group. Therefore, the specified performance does not represent the performance of the existing upstand nor its possible influence on the characteristics of the product(s) supplied by the VELUX Group.

For replacement installations on an existing upstand or installations on constructions that may cause changes to the declared performance, it is the responsibility of the building owner – if necessary, together with local authorities – to validate the applicability of the products and their characteristics in the specific situation.

Refurbishment adapter frame (SAR) – Criteria for sub-construction

Criteria for sub-construction dimensions

The below described dimensional measurements should be complied with to ensure a good and safe installation of the Refurbishment Adapter frame

Order size (mm)	D: W x H (mm)	F-max (mm)	E-max (mm.)
900	700	734	811
1000	800	834	911
1200	1000	1034	1111
1250	1050	1084	1161
1500	1300	1334	1411
1800	1600	1634	1711
2000	1800	1834	1911
2100	1900	1934	2011
2400	2200	2234	2311
2500	2300	2334	2411

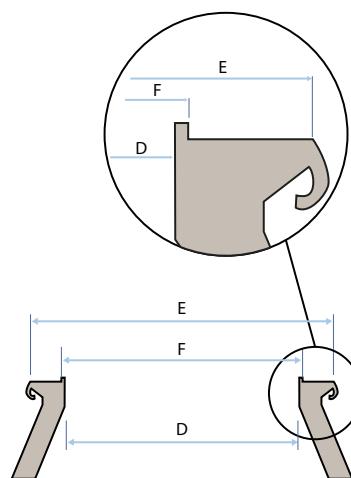


Figure:
Dimensional criteria for installing
on existing upstand

Before installing the Refurbishment Adapter frame

Before starting installation, it must be checked that the existing substructure is sufficiently stable with sufficient load-bearing / suction load capacity. The screw base must not be brittle. Effective and permanent attachment of the new fastenings must be guaranteed.

For replacement installations on an existing upstand or installations on constructions that may cause changes to the declared performance, it is the responsibility of the building owner – if necessary, together with local authorities – to validate the applicability of the products and their characteristics in the specific situation.

For further installation details, we refer to the Refurbishment Adapter frame installation manual