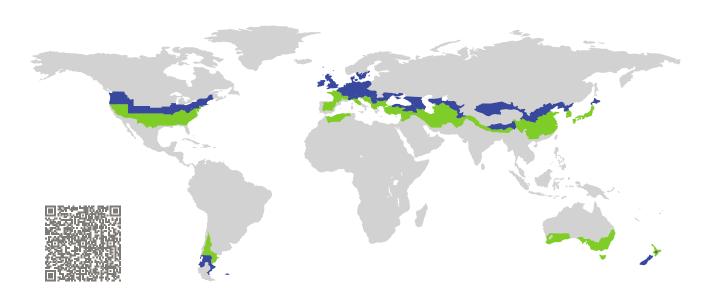
CERTIFICATE

Certified Passive House Component

Component-ID 2058sk03 valid until 31st December 2024

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: Skylight

Manufacturer: LAMILUX Heinrich Strunz GmbH,

Rehau, Germany

Product name: LAMILUX Flachdach Fenster FE

Passivhaus NRWG

This certificate was awarded based on the following criteria for the cool, temperate climate zone

Comfort $U_{SK} = 0.85 \le 1.10 \text{ W/(m}^2 \cdot \text{K)}$

 $U_{SK, installed} \leq 1.10 \text{ W/(m}^2 \cdot \text{K)}$

with $U_g = 0.56 \,\mathrm{W/(m^2 \cdot K)}$

Hygiene $f_{Rsi=0.25}$ \geq 0.70

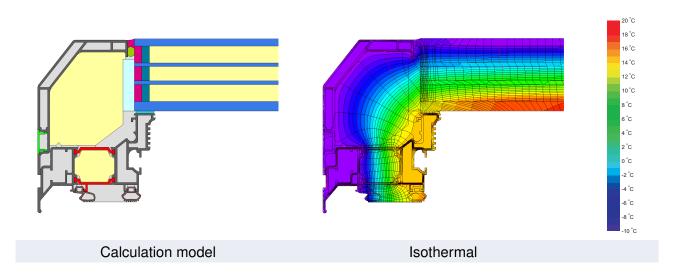




LAMILUX Heinrich Strunz GmbH

Zehstraße 2, 95111 Rehau, Germany

🕿 +49 9283 595 0 | 🖂 information@lamilux.de | 省 http://www.lamilux.de |



Description

Flat-roof window of aluminium with thermal separation of polyamid with 25 % glass-fibre fraction. Resole-foam inside the frame and curb, encasing insulation at the base. Pane thickness: 60 mm (6/14/3/13/3/138), rebate depth: 17 mm. Spacer: Multitech G. Secondary seal: Silicone (6 mm)

Explanation

The window U-values were calculated for the test window size of $1.50 \,\mathrm{m} \times 1.50 \,\mathrm{m}$ with $U_g = 0.56 \,\mathrm{W/(m^2 \cdot K)}$. If a higher quality glazing is used, the window U-values will improve as follows:

Glazing	$U_g =$	0.56	0.70	0.63	0.77	$W/(m^2 \cdot K)$
		\downarrow	\downarrow	\downarrow	↓	
Window	$U_W =$	0.85	0.95	0.90	1.00	$W/(m^2 \cdot K)$

Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense to use a component of a higher thermal quality which has been certified for a climate zone with more stringent requirements.

Further information relating to certification can be found on www.passivehouse.com and passipedia.org.

Frame valu	ıes		Frame width <i>b_f</i> mm	<i>U</i> -value frame <i>U_f</i> W/(m² ⋅ K)	Ψ -glazing edge Ψ_g W/(m \cdot K)	Temp. Factor f _{Rsi=0.25} [-]
Bottom	(OB1)	4	98	1.36	0.039	0.74
Тор	(OH1)	Ť	98	1.36	0.039	0.74
Lateral	(OJ1)	ц—	98	1.36	0.039	0.74
		Space	er: MULTITECH G	Second		

Validated installations

