Passive House Institute Darmstadt certifies

LAMILUX CI System Continuous Rooflight Benergysave

**The only continuous rooflight with Passive House certification**

Continuous rooflights can now provide daylight in accordance with Passive House Standards: The new global innovation from LAMILUX, the *LAMILUX CI System Continuous Rooflight Benergysave* has been certified by the Passive House Institute Darmstadt. After the *LAMILUX CI System Glass Element FEenergysave* & *FEenergysave+*and the *LAMILUX CI System Glass Architecture PR 60energysave*, the *LAMILUX CI System Continuous Rooflight Benergysave* is the fourth daylight element from the portfolio of the Upper Franconian skylight and building control system specialist - and the first Passive House certified continuous rooflight ever. These products have all been certified as *"phA or phA+ – Advanced Components"*, which is the highest possible Passive House efficiency class.

The **LAMILUX CI System Continuous Rooflight Benergysave, LAMILUX CI System Glass Architecture PR 60***energysave* and **LAMILUX CI System Glass Element FEenergysave** are the further developments of three tried and tested daylight elements and have all been awarded Passive House certification for cool temperate climate zones. At present, the new LAMILUX continuous rooflight is the only one of its kind to meet the high requirements of the Passive House Institute.

**Continuous Rooflight Benergysave:Outstanding insulation and airtightness**

The **LAMILUX CI System Continuous Rooflight Benergysave** features special polycarbonate glazing with an added layer for increased airtightness and a unique base profile. The U value, or heat transmittance coefficient, of the thick glazing package (Ug) is 0.80 W/(m²K). Its excellent energy values make this daylight element a market leader.

Due to its outstanding properties as a "phA+ – Advanced Component", the **LAMILUX CI System Continuous Rooflight Benergysave** is particularly suited for use in heated buildings which require a melt-out area, such as DIY stores, sports halls, places of assembly or production halls.

**Maximum prevention of condensation and mould formation**

Testers also attach great importance to other aspects, however, when it comes to assuring compliance with passive house requirements. Hygiene plays a significant role: In order to prevent condensation and mould formation, the 12.6°C isothermal line must consistently lie within structures at an outside temperature of -5°C, an indoor temperature of +20°C and a relative air humidity of 50 per cent. This is the case with all certified LAMILUX daylight systems.

Furthermore, the Passive House efficiency classes also take into account heat loss and solar energy gain. Minimum heat loss is therefore achieved when the frame systems have excellent U values and low glass edge Ψ-values. In addition, the narrow frame profiles maximise solar gain. These two extra efficiency criteria are expressed by the value ψopak. The lower this value is, the higher the efficiency class. The LAMILUX daylight elements are classed at least as "phA – Advanced Components".

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Captions:

*Maximum airtightness, excellent U values and the highest Passive House Standard certification as a phA+ - Advanced Component: The LAMILUX CI System Continuous Rooflight Benergysave is suitable for all types of air-conditioned buildings.*

About LAMILUX Heinrich Strunz GmbH

Based in the German town of Rehau, Heinrich Strunz GmbH has been producing high-grade daylight systems made of composites, glass and aluminium under the LAMILUX brand name for more than 60 years. Architects, construction engineers, planners and roofers use LAMILUX CI Systems when building industrial facilities, commercial buildings and industrial hall complexes as well as private residences. The purpose of these structures primarily consists in optimising the use of natural light and guiding it into building interiors. Fitted with controllable flap systems, they also function as smoke and heat exhaust ventilation systems (SHEVS) and energy-efficient building systems providing natural ventilation. The LAMILUX CI Systems range includes a wide variety of different structures – from rooflight domes and continuous rooflights through to glass roof constructions in aesthetically pleasing shapes. The company also offers considerable expertise in the development and manufacturing of control systems – LAMILUX CI Control – for activating and automating smoke and heat exhaust ventilation systems as well as ventilation and solar protection installations. In 2016, LAMILUX, with its 850 employees, achieved a turnover of 230 million euros in its two corporate divisions, LAMILUX Daylight Systems and LAMILUX Composites.