

Reference

LAMILUX CI-System Glaselement FE



Library at Humboldt University, Berlin

Essential Information

Place / country:	Berlin, Germany
Year:	2009
Building type:	Administrative building
Solutions:	Glass Skylight FE SHEV flap Solar protection glazing
Efficiency:	42% energy saving $U_w=1.1 \text{ W/(m}^2\text{K)}$ vs. $U_w=1.9 \text{ W/(m}^2\text{K)}$ as per German Energy Performance of Buildings Directive 2009

Creation of a quiet, focussed, working environment in the main library and reading room area in the new building thanks to optimum daylight intake. Also stringent requirements for daylight elements regarding heat insulation.

- Flat, fixed glazing glass roof elements, installed at a slight incline of 3°
- Flat glass elements with SHEV flaps for natural ventilation and SHEV system
- Upstand structures made of fibre-reinforced composite with inside trimming made of sheet steel
- Thermally separated, extruded aluminium sections
- Solar protection glass which can be walked on for cleaning and maintenance purposes, 50% light transmission and 17% energy transmission

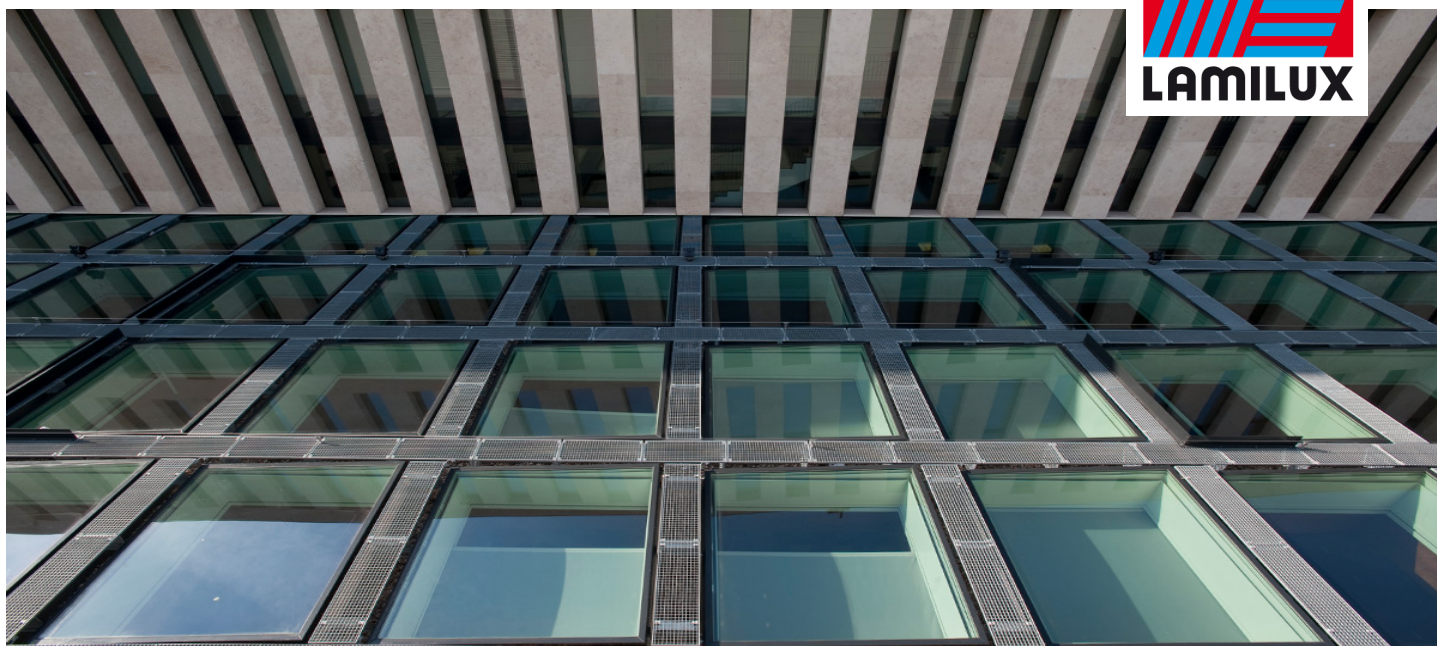
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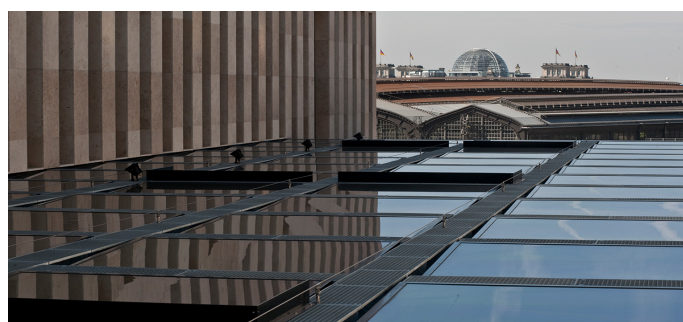
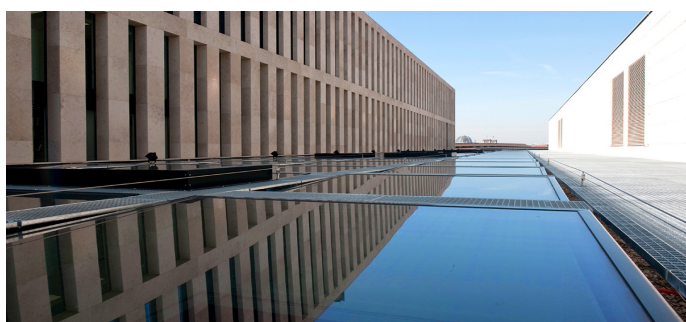
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