

# 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<br>SHEV flap<br>Solar protection glazing                                                                                               |
| Efficiency:      | 42% energy saving<br><b>Uw=1.1 W/(m²K)</b><br><b>vs. Uw=1.9 W/(m²K) as per</b><br><b>German Energy Performance</b><br><b>of Buildings Directive 2009</b> |

**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.**

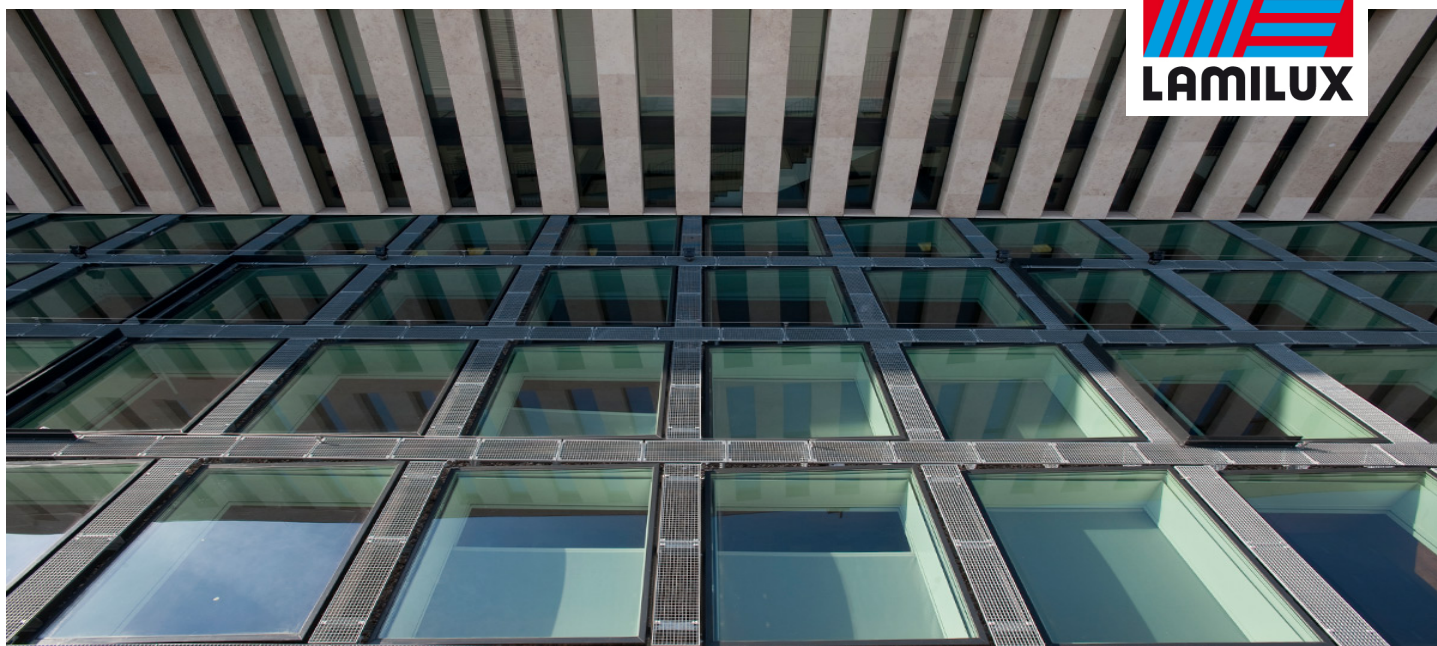
- Flat, fixed glazing glass roof elements, installed at a slight incline of 3°
- Flat glass elements with SHEV flaps for natural ventilation and SHEV system
- Upstand structures made of fibre-reinforced composite with inside trimming made of sheet steel
- Thermally separated, extruded aluminium sections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

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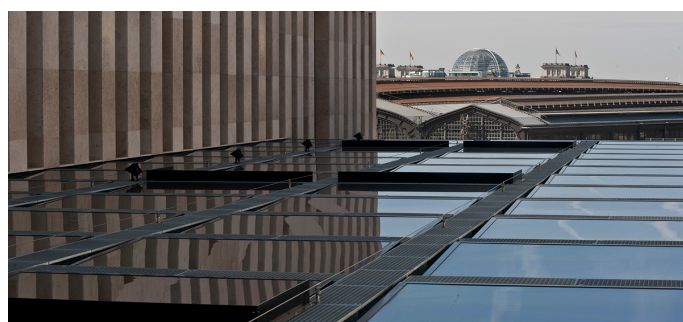
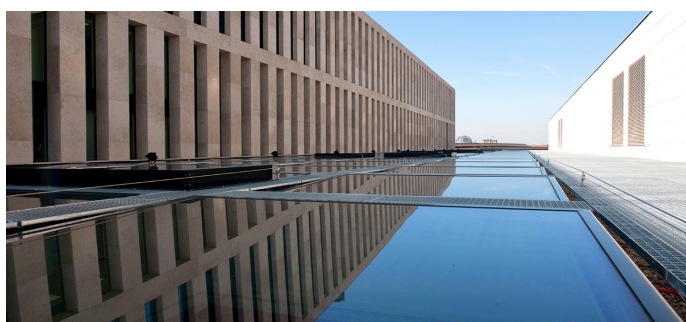
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