



ROOFLIGHTS & ROOF GLAZING

Project reference

LAMILUX Glass Skylight
F100 Circular

Kindergarten
Germany



The new kindergarten of the Catholic parish of St. Severin in Garching offers space for playing and eating. In autumn, the building was opened, replacing two old kindergartens. The new building impresses with its modern architecture and plenty of daylight inside: A total of 22 Glass Skylights from the Daylight Specialist LAMILUX have been integrated into the premises. They contribute to the pleasant atmosphere and support the natural daily rhythm of the children.

The new building is located on a large park-like site, which is characterised by its tree population worth preserving. The kindergarten is constructed as a reinforced concrete structure with a heat-insulated wooden façade and a temperature-compensating green roof. The size, shape and building material of the day-care center building adapt to this landscape - not least due to the curved roof shape and the natural colouring. The center of the building is a naturally lit lounge from which a children's kitchen, storage rooms and four group rooms, each oriented towards the south and with direct access to the garden, start. In this central room the children meet to eat together or for larger events.

Glass Skylights let the sun in



The wish of the parish church foundation St. Severin was to create a bright and natural atmosphere for the children in this place. "The daylight emphasizes the importance of the central room and creates a special atmosphere: the clear glazing ensures that the times of day and seasons are always present. The materials wood and concrete are immersed in a uniform warm light", explains the responsible architect Christoph Wollmann. This is made possible by 22 LAMILUX Glass Skylights F100 Circular that bring daylight from above into the rooms of the kindergarten. The

warm rays of sunlight also accompany the children through their daily routine inside the building. "The round shapes playfully blend into the curved course of the ceiling, even with the very generous diameter of 1500 millimeters," describes Christoph Wollmann. "The transparent glazing offers a good view through; the opening





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motors enable daily room ventilation and smoke extraction in the event of a fire. In addition, the safety glazing protects against falling through from above when experts are on the roof for maintenance work". A special solar control glass prevents the rooms from heating up too much, and the overall system without thermal bridges ensures an optimum energy balance for each individual element.

Individual design of Glass Skylights

The round elements have a diameter of 1.5 meters each and were mounted by LAMILUX on the roof, which is inclined in several directions, at a height of around five meters. Real glazing was used because it best meets the special requirements of the kindergarten: It is hail-resistant and has a



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Smooth operation

LAMILUX consultant Michael Zotz planned the daylight equipment on the kindergarten roof. The leading architect approached him at the BAU trade fair in Munich and asked for advice on the Rehau manufacturer's products. Together they carried out the project smoothly. Michael Zotz was responsible for all service activities relating to the product itself, from measuring and precise product advice to tendering, organising speedy delivery and fault-free installation.

