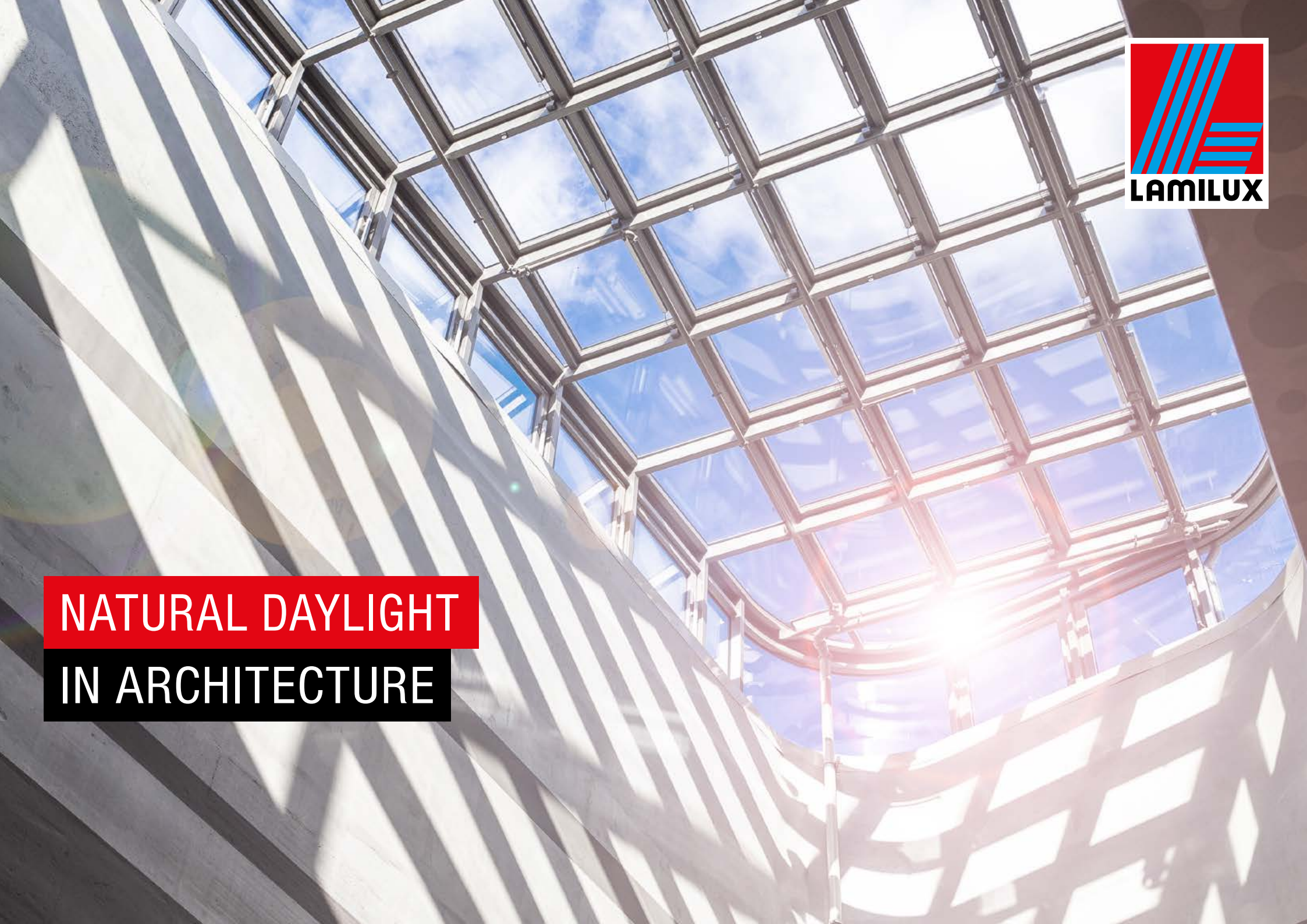


NATURAL DAYLIGHT IN ARCHITECTURE

LAMILUX

Content

Scan the QR code to find out more about our products.


WE
LIVE
DAYLIGHT

Daylight and its impact on health

Without light, there is no life – this simple statement summarises the importance of daylight. Yet light is far more than just an environmental factor: it influences our mood, our thinking and our overall well-being. Bright spaces appear larger and more welcoming, creating an atmosphere in which we feel focused, balanced and energised.

Natural daylight – unique in intensity and effect

Unlike artificial lighting, daylight provides a complete spectrum that the human body utilises in many different ways. Even on a dull winter's day, it supplies more valuable light than any artificial light. It improves visibility, supports colour perception, reduces eye strain and brings a sense of positivity. As a result, daylight becomes the strongest driver of concentration, creativity and vitality.

Light as the body's timekeeper

Daylight regulates our internal rhythm. Using the eyes and the pineal gland, it controls the release of melatonin – the hormone that makes us tired in the evening and gives us new energy in the morning. As a result, daylight acts as a biological switch between activity and recovery. When this rhythm is disrupted, such as through insufficient light, sleep disorders, reduced performance and mood swings can occur.

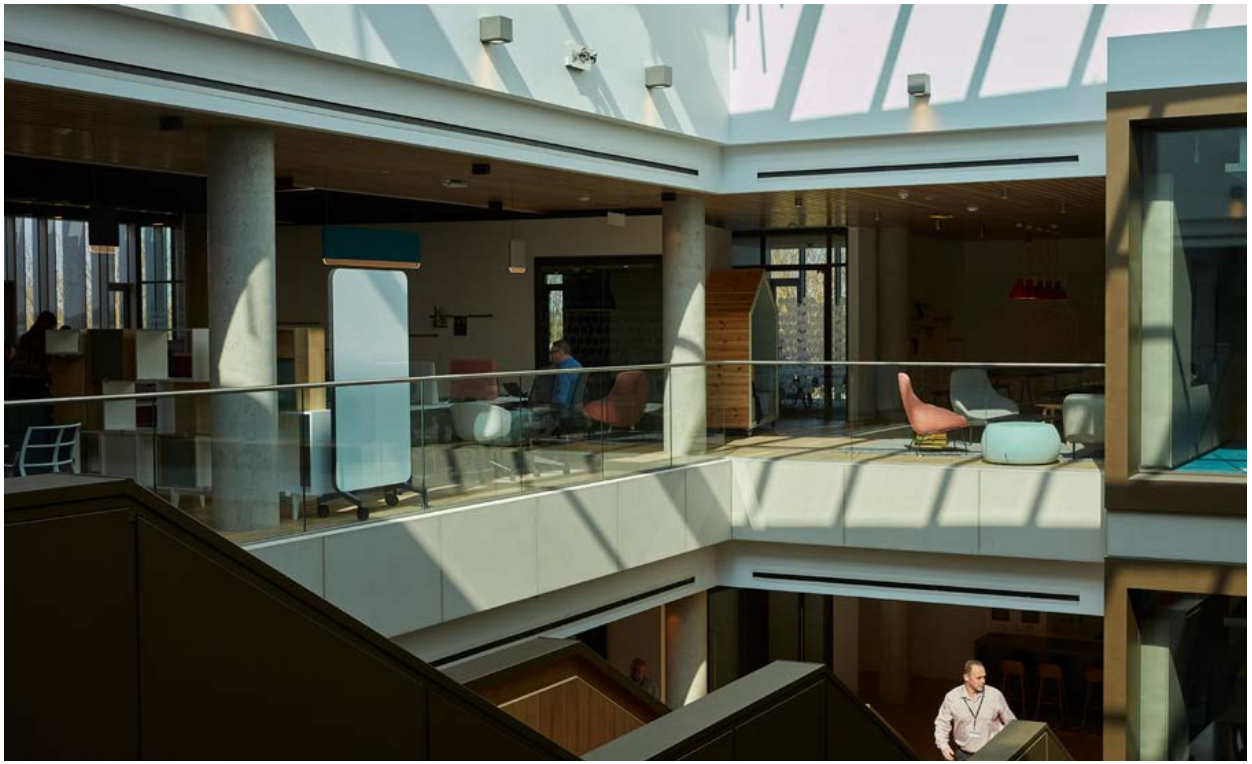
Health needs daylight

Façade windows provide visual connections to the outside world, but usually only illuminate spaces to a depth of around 4.5 metres. Flat roof skylights, glass roofs and continuous rooflights, by contrast, utilise brighter zenith light and bring up to three times more daylight deep into buildings. With a rooflight area of around 15–20 per cent of the floor area, illuminance levels of 300–500 lux can be reliably achieved. At the same time, rooflights fulfil important additional functions: natural ventilation, energy savings and, in the event of a fire, smoke and heat exhaust ventilation – making a significant contribution to safety and sustainability.

Scan the QR code and read the full article.

Bright workplaces beneath the LAMILUX Glass Roof PR60 at the National Gallery in London.

DAYLIGHT IN THE WORKPLACE



Light-filled spaces in the office building of the sugar manufacturer "British Sugar" in Peterborough, England.

Benefits of skylights in everyday working life

Many people work indoors and spend the majority of their day there. Time spent outdoors and in natural light is therefore limited. Yet sufficient daylight is essential for health and well-being: it supports vitamin D production, regulates the sleep–wake cycle and enhances concentration and mood. Studies show that daylight increases productivity and reduces complaints such as headaches and eye strain. Daylight should therefore be an integral part of office buildings as well as production facilities.

Daylight as a key factor for healthy working environments

Natural light is more than just brightness – it regulates our internal clock, influences hormones and increases performance. Vertical illuminance levels play a particularly important role here: while artificial lighting typically delivers only around 170 lux at eye level, daylight – especially under rooflights – can provide up to ten times higher values. This creates optimal visual conditions that help prevent fatigue and promote motivation.

Requirements for workplaces

While **offices and laboratories** require at least 500 lux to enable focused work without fatigue, general work areas function well with around 300 lux. Storage and circulation areas require less light, typically 100–200 lux, yet still benefit from daylight through improved orientation and safety. In break rooms, an illuminance level of just 150 lux already helps employees recover more quickly. Crucially, buildings must be designed in such a way that the available daylight actually reaches the working areas and meaningfully complements artificial lighting.

Skylights as a solution

Façade windows provide visual connections to the outside world, but usually only illuminate spaces to a depth of around 4.5 metres. Flat roof skylights, glass roofs and continuous rooflights, by contrast, utilise brighter zenith light and bring up to three times more daylight deep into buildings. With a rooflight area of around 15–20 per cent of the floor area, illuminance levels of 300–500 lux can be reliably achieved. At the same time, rooflights fulfil important additional functions: natural ventilation, energy savings and, in the event of a fire, smoke and heat exhaust ventilation – making a significant contribution to safety and sustainability.

Scan the QR code
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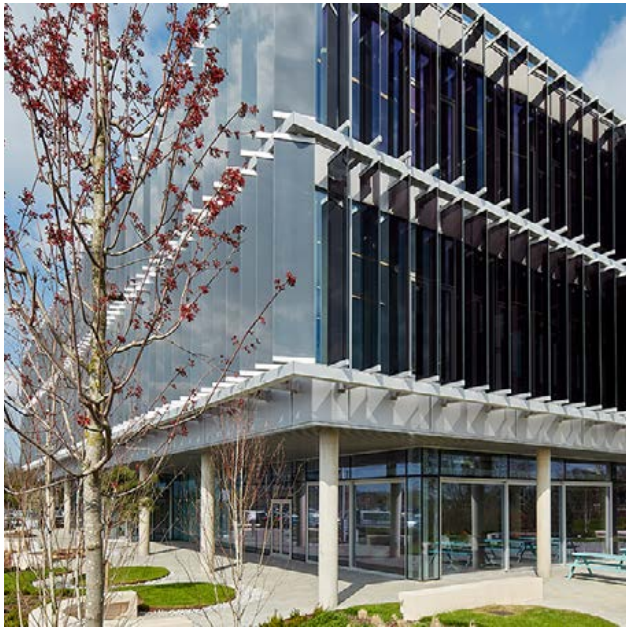


Exterior view of the “British Sugar”
office building

LAMILUX Glass Roof PR60 on the flat roof of
“British Sugar”

British Sugar
Peterborough, England

With the construction of its headquarters in Peterborough, England, British Sugar – one of Europe's leading sugar manufacturers – has created a working environment that combines openness, daylight and clear structure. A central element of the design is the large-scale LAMILUX Glass Roof PR60, which not only defines the architecture but also actively enhances the quality of the interior spaces.

The LAMILUX Glass Roof PR60 spans an area of approximately 12 × 16 metres and consists of 72 glass panels. It distributes daylight evenly deep into the open-plan office areas, creating a bright, clear atmosphere that enhances well-being, supports concentration and encourages communication.

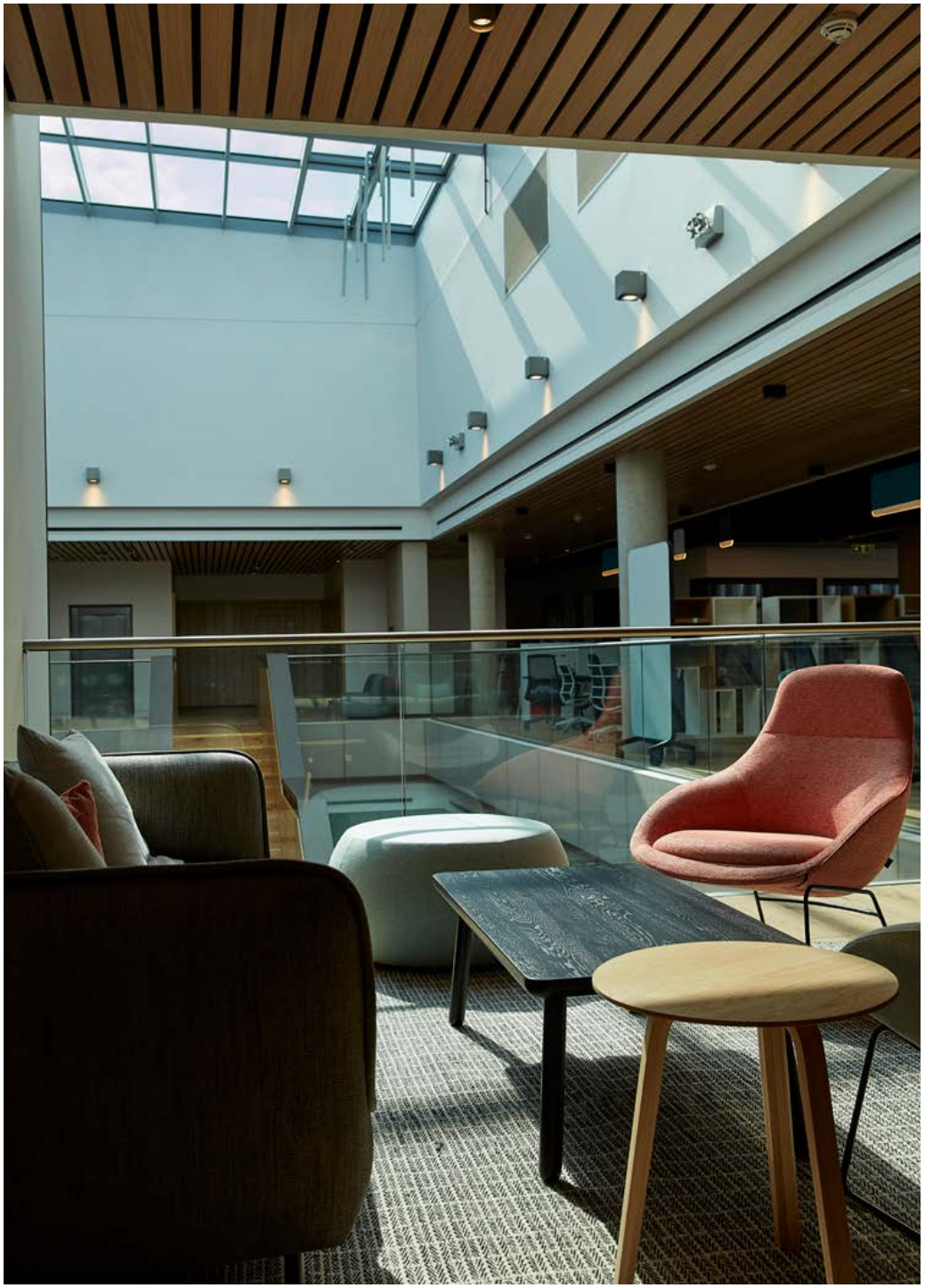
The structure also meets the highest requirements in terms of energy efficiency, acoustics and safety. Sixteen integrated smoke and heat exhaust ventilation (SHEV) elements ensure rapid smoke extraction in the event of a fire without compromising the overall architectural concept. The aluminium profiles were finished in the specified colour and blend discreetly yet effectively into the clean architectural language of the new building. Despite a total weight of around 13,000 kilograms, the impressive glass roof conveys a sense of lightness and opens the interior space towards the sky.

Scan the QR code to find out more about the LAMILUX Glass Roof PR60.

192 square metres of glass area for even daylight penetration

16 integrated SHEV elements for reliable safety in an emergency

13,000 kilograms total weight with a refined profile system and double glazing




BritishSugar
An AB Sugar company

Axel Towers
Copenhagen, Denmark

With their organic form and central location opposite the famous Tivoli Gardens, Axel Towers are among Copenhagen's architectural landmarks. The five curved towers combine offices, gastronomy and retail spaces, connected by a distinctive roofscape that is complemented by several circular LAMILUX Glass Roof PR60 systems.

The glazed rooflights, with diameters ranging from 1.5 to 2.7 metres, not only compliment the architectural language of the building but also deliberately bring daylight into the internal areas. This creates bright zones with a high level of comfort, independent of their specific use. At the same time, the installed triple glazing with integrated solar control meets high requirements in terms of energy efficiency and indoor comfort.

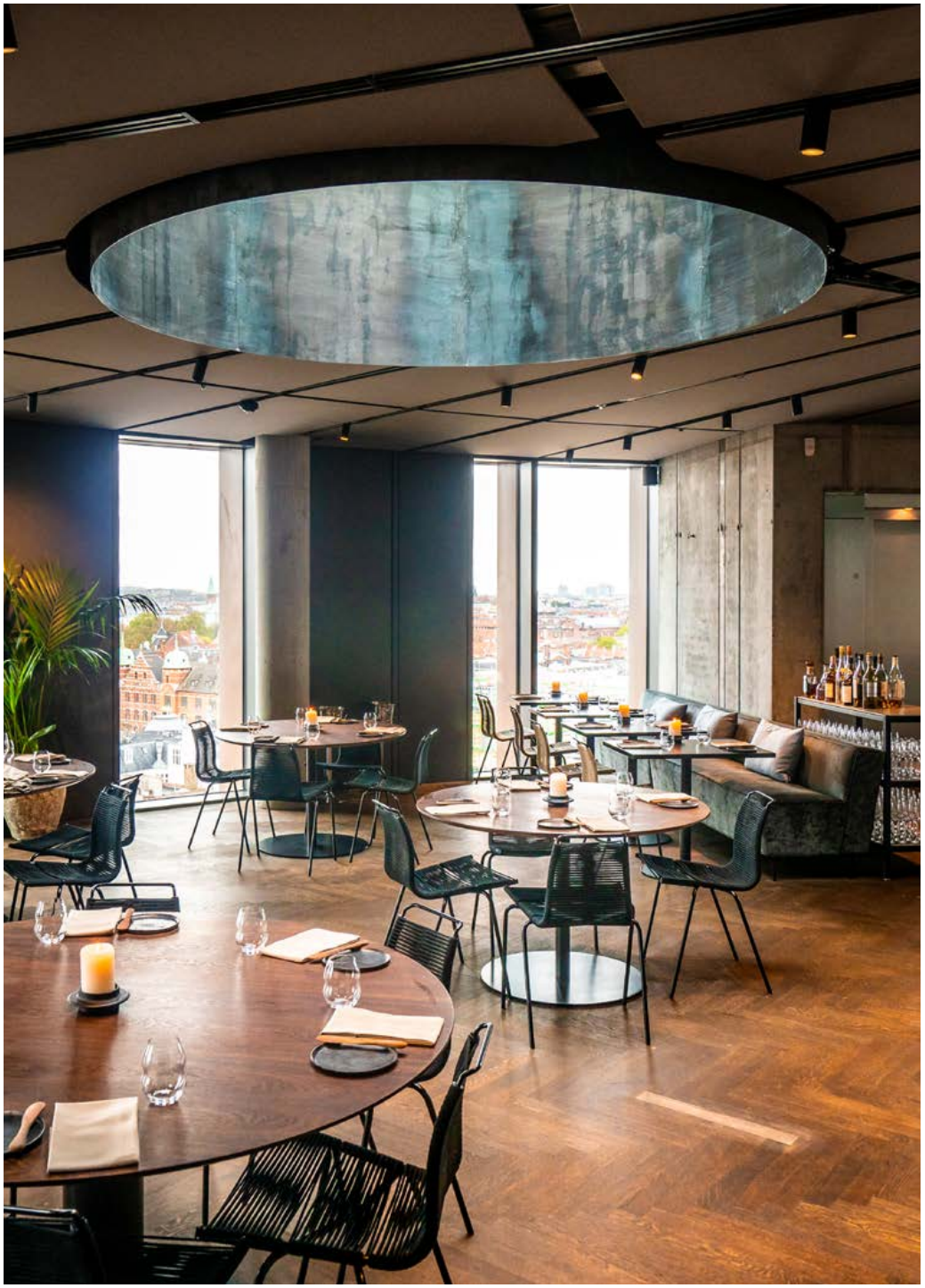
Made possible by the combination of thermally separated aluminium profiles, factory-installed thermal insulation and an optimised edge seal to prevent condensation, a durable and low-maintenance system is achieved. Individually coated inner and outer surfaces of the visible profiles allow seamless integration into the high-quality architectural concept. The skylights enhance the ensemble with targeted daylight accents.

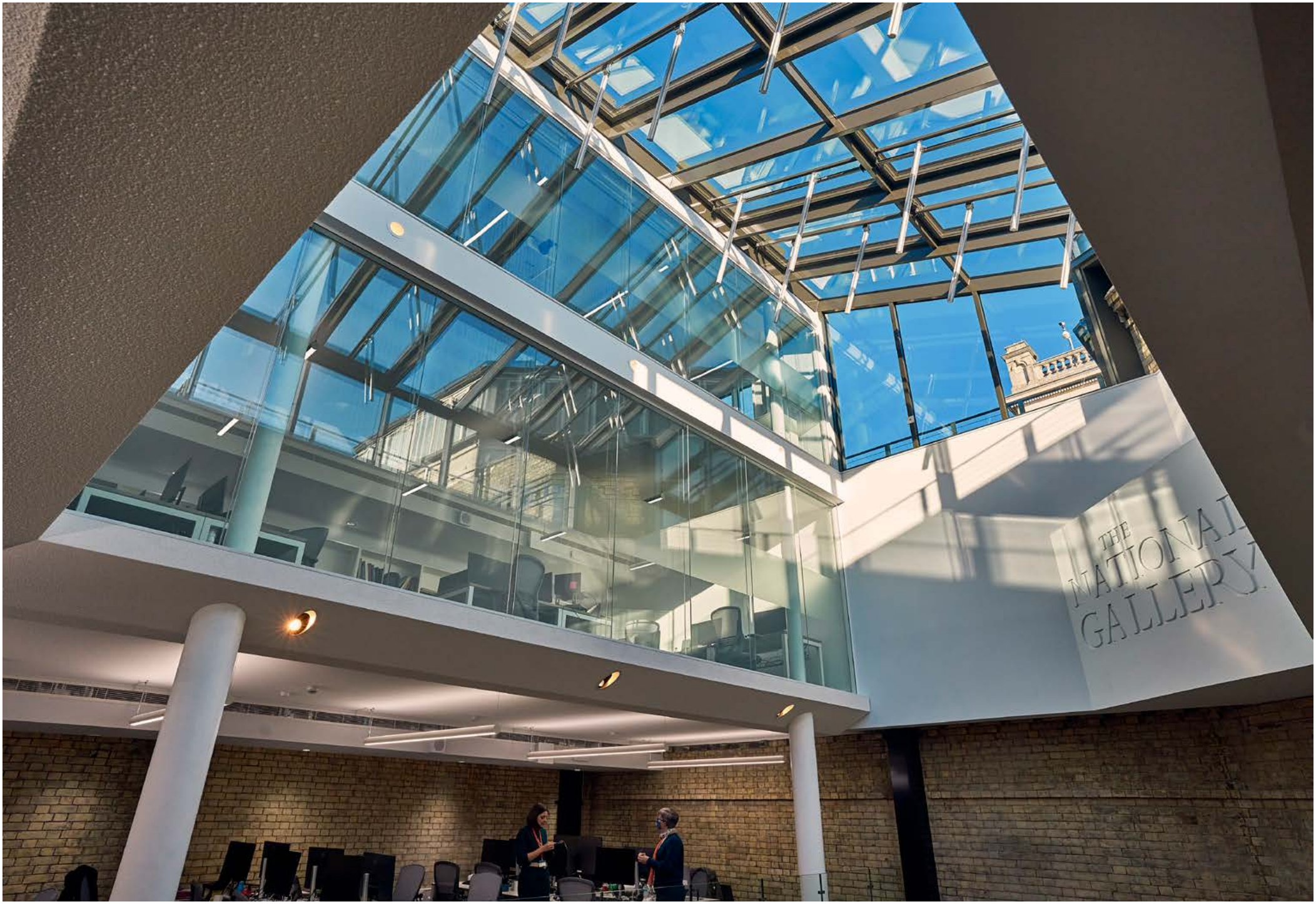
67 metres roof height above Copenhagen's skyline

7.5 square metres of circular glass areafor distinctive architectural highlights

5 degree inclination for optimal water drainage and efficient daylight guidance

Our Glass Skylights FE Circular also create unique highlights. Scan the QR code to find out more.




THE
NATIONAL
GALLERY

National Gallery
London, England

As part of a sensitive modernisation project, an area of the world-famous National Gallery in London was fitted with a new glass roof by LAMILUX. In a setting where thousands of visitors move through the exhibition galleries at Trafalgar Square every day, the LAMILUX Glass Roof PR60 provides natural daylight and creates a pleasant indoor atmosphere for employees in the adjacent working areas.

The 5 × 8.6 metre LAMILUX Glass Roof PR60 system, comprising 16 glass elements, brings daylight deep into the space without glare or excessive heat gain – an essential factor in protecting the historic interiors while ensuring user comfort. Eight integrated smoke and heat exhaust ventilation (SHEV) elements ensure rapid smoke extraction in the event of a fire, while the narrow, coated aluminium profiles blend harmoniously into the historic architectural environment.

In the context of listed-building renovation, individually adaptable daylight solutions are required to meet current demands for energy efficiency and environmental requirements while preserving the existing building fabric. This is precisely what the LAMILUX Glass Roof PR60 achieves, thanks to its high degree of design flexibility and adaptability.

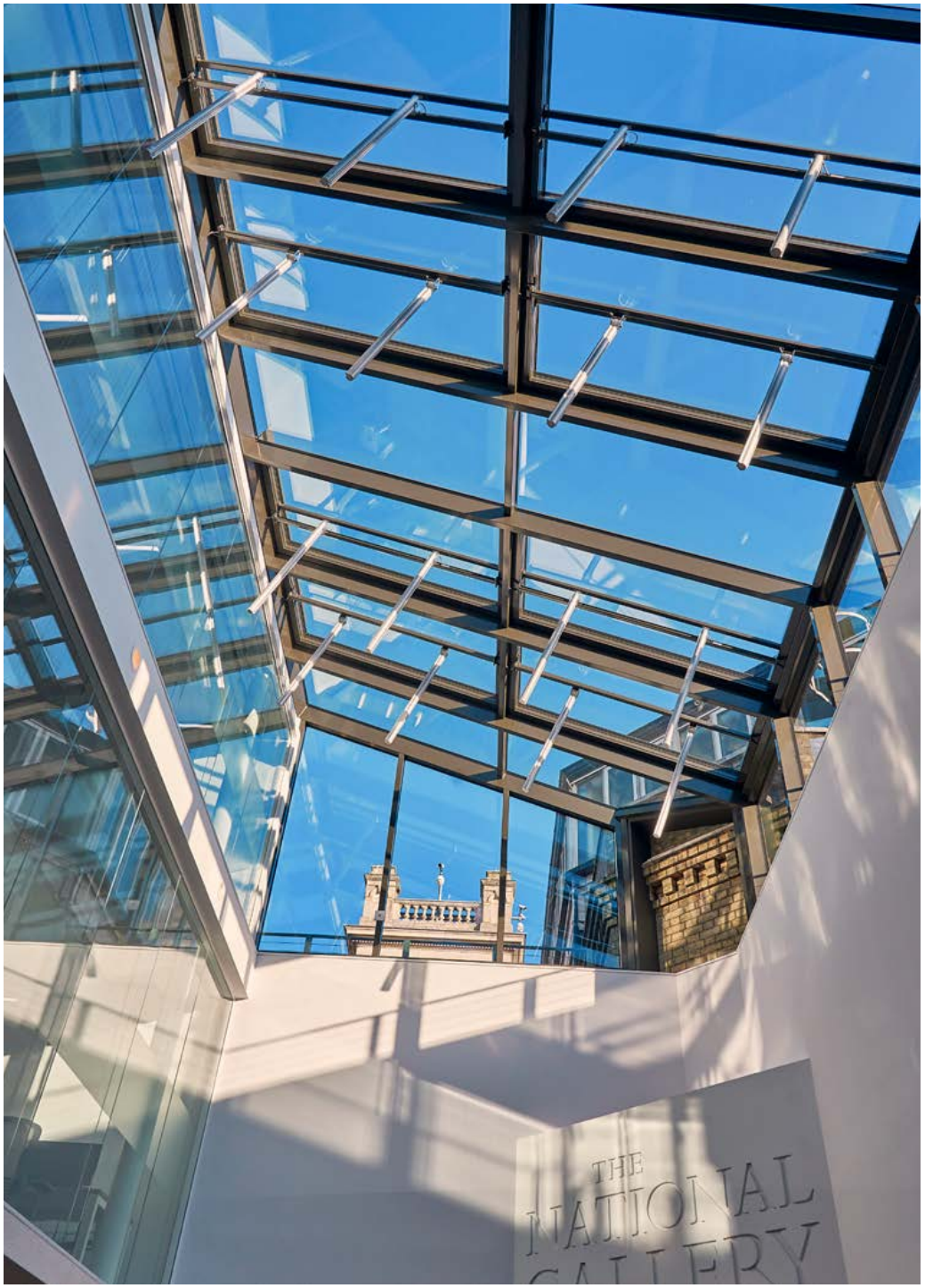
5 × 8.6 m glass roof with 16 glass panels

20° inclination for seamless integration into the existing building

8 integrated SHEV elements for safe smoke extraction in accordance with EU standard

Scan the QR code to learn more about renovation in listed buildings!


THE
NATION
GALLE


THE
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GALLERY


THE NATIONAL GALLERY
THE NATIONAL GALLERY
THE NATIONAL GALLERY


EY

Ernst & Young
Frederiksberg, Denmark

Located in the popular Copenhagen district of Frederiksberg, the Ernst & Young office building combines modern architecture with a clear design language and a high level of comfort. Three circular glass roof systems by LAMILUX were integrated into the roof of the building, providing not only natural daylight but also creating a strong architectural statement.

With a diameter of two metres each, the circular LAMILUX Glass Skylight FE Circular creates a bright, spacious lounge area that conveys openness and tranquillity. The circular form sets deliberate architectural accents and blends seamlessly into the modern, high-quality design of the office building. A black exterior finish combined with a white interior surface was selected to ensure the glass skylights integrate perfectly with the overall architecture. Thanks to effective sound insulation and thermal performance, employees also benefit from a comfortable indoor climate during their breaks.

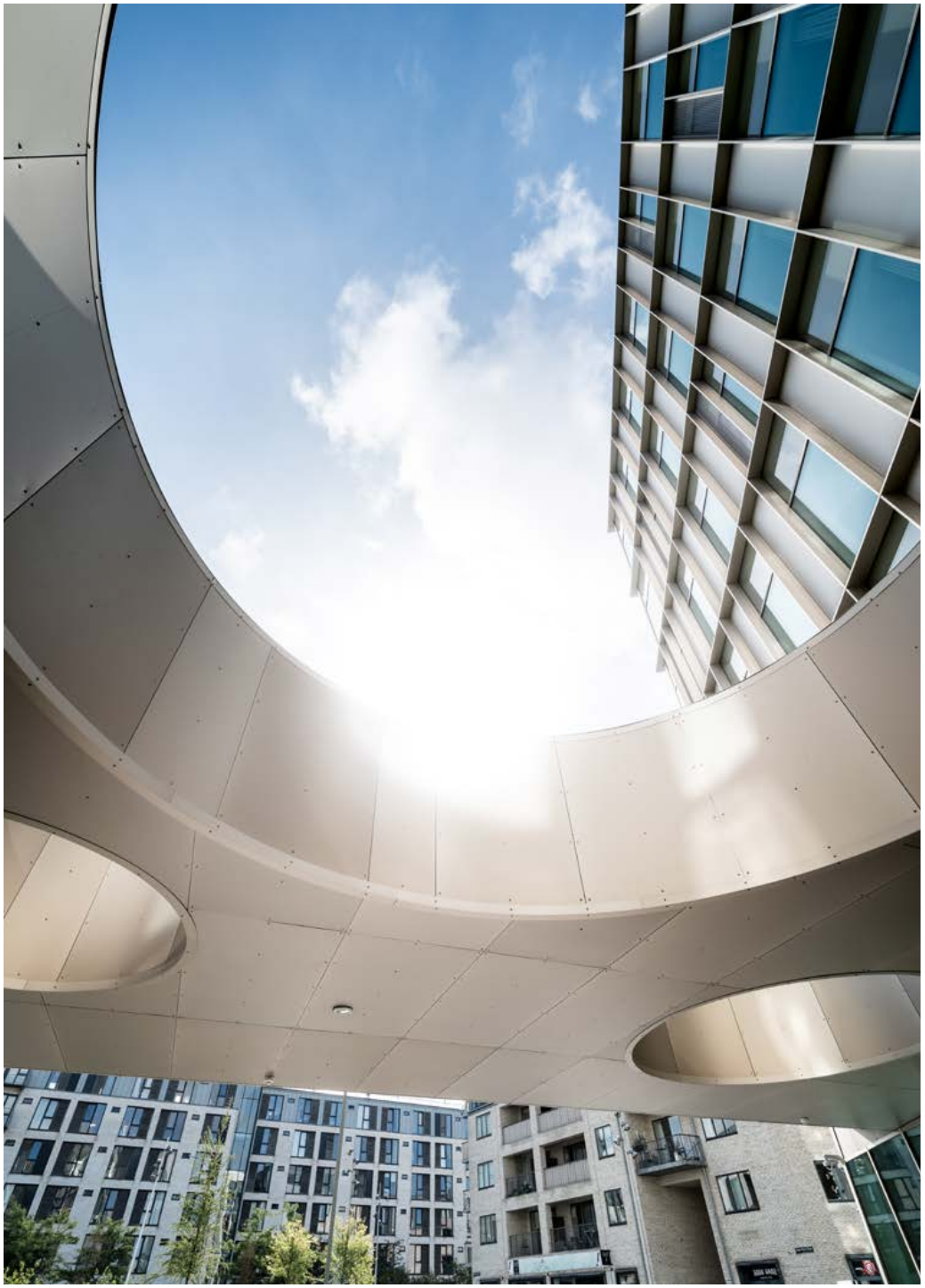
The circular glass skylights are mounted on 70-centimetre-high, thermally insulated upstands made of robust glass fibre reinforced plastic. This allows for secure and durable integration into the roof structure while providing sufficient space for insulation and green roof build-ups. This creates future-ready flat roofs that deliver more daylight, sustainability and user comfort.

Scan the QR code to find out more about choosing the right upstand!

9 square metres of glass area for optimal daylight penetration

RAL 9005 and RAL 9010 finishes creating a harmonious and high-quality architectural colour concept

70 cm high GRP upstand for stable and durable roof integration



Agristo
Wielsbeke, Belgium

At Agristo's Belgian production site – an internationally active manufacturer of frozen potato products – targeted investment was made in modern daylight solutions as part of a site expansion. LAMILUX supplied 36 Glass Skylights FE 3°, which were integrated into the roof area in an architecturally and functionally well considered manner.

The square rooflights, each measuring 2 × 2 metres, bring uniform daylight into the atrium of the Wielsbeke administrative building, creating a bright and pleasant working environment while maintaining high energy efficiency. The specified solar control glazing provides effective protection against overheating and contributes to a balanced indoor climate, even under intensive use and strong solar radiation.

The subtle 3-degree inclination ensures rainwater can drain away reliably, keeping the glass surfaces cleaner for longer and reducing maintenance requirements. This helps preserve and enhance the elegant, high-quality appearance of the building. Aluminium frames and brushed decorative strips complete the design, creating a true architectural highlight. LAMILUX's prefabricated skylights prove that impressive design doesn't have to come with complex installation: combined with the thermally insulated upstand, they enable quick and straightforward installation.

36 LAMILUX Glass Skylight FE 3° as an architectural highlight

144 square metres of glass area for maximum daylight penetration

300 employees benefiting from performance-enhancing daylight

Scan the QR code to find out more about the LAMILUX Glass Skylight FE 3°.


Agristo
we love potatoes

Bluechem
Antwerp, Belgium

In the heart of Antwerp, BlueChem has become Belgium's first start-up centre dedicated to sustainable chemistry – a place where innovation meets environmental responsibility. Start-ups and research institutions work here on future-oriented solutions for a green industry. The high standards of sustainability and functionality are also reflected in the architecture, particularly in the atrium daylight solution by LAMILUX.

A glass roof system measuring approximately 12 × 12 metres and comprising 36 glass panels brings uniform natural daylight into the building – precisely where people develop, analyse and think, on a daily basis. The calm and balanced light distribution supports focused work, encourages communication in open areas and creates a pleasant sense of space, entirely without glare or overheating.

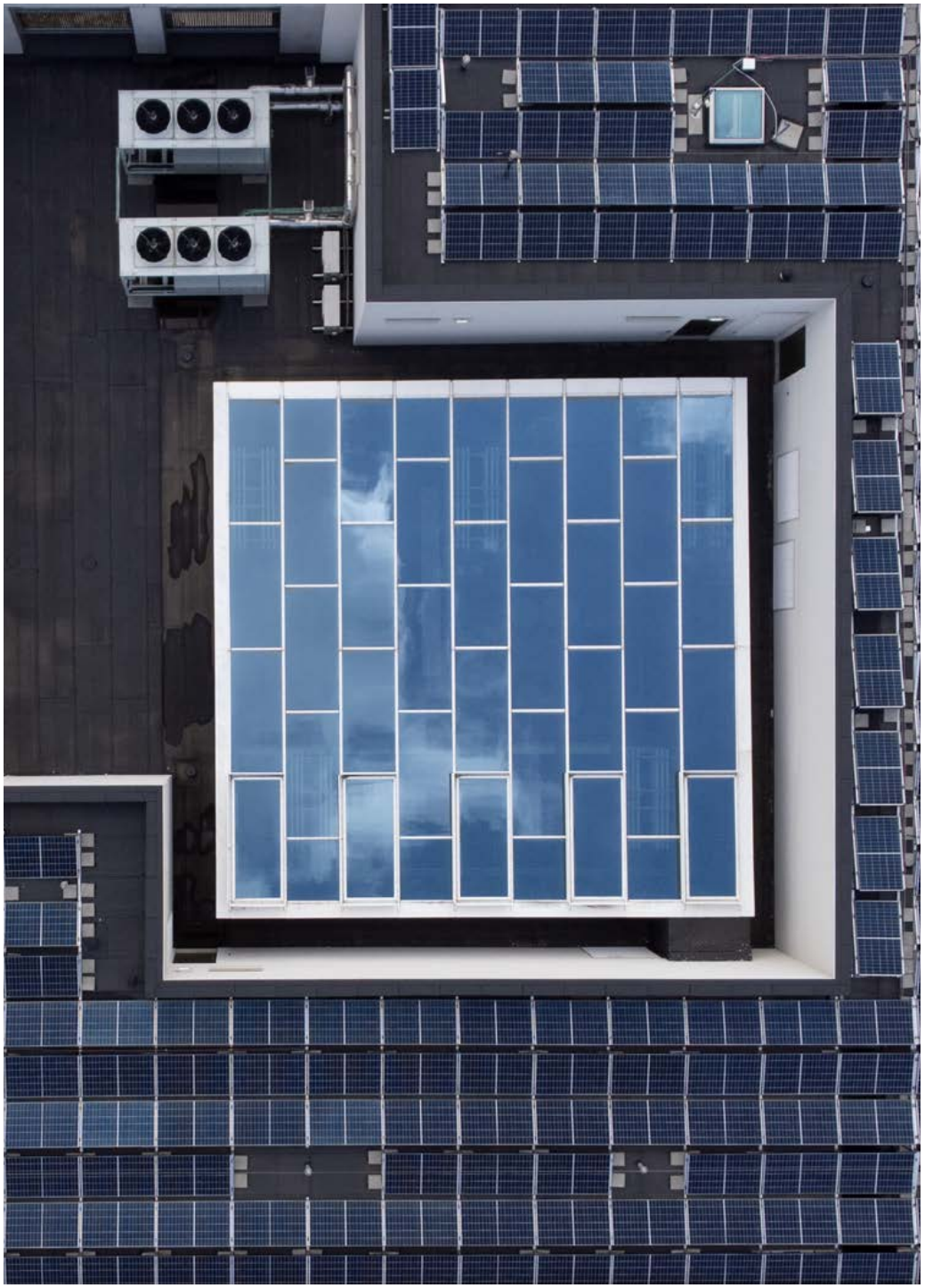
The solar control glazing significantly reduces heat gain, while good thermal insulation values and high sound insulation ensure energy efficiency and acoustic comfort. This represents a real added value in a building that combines research, laboratory use and office spaces under one roof. The five integrated smoke and heat exhaust ventilation (SHEV) elements are discreetly integrated into the overall design and provide a high level of safety from a technical perspective.

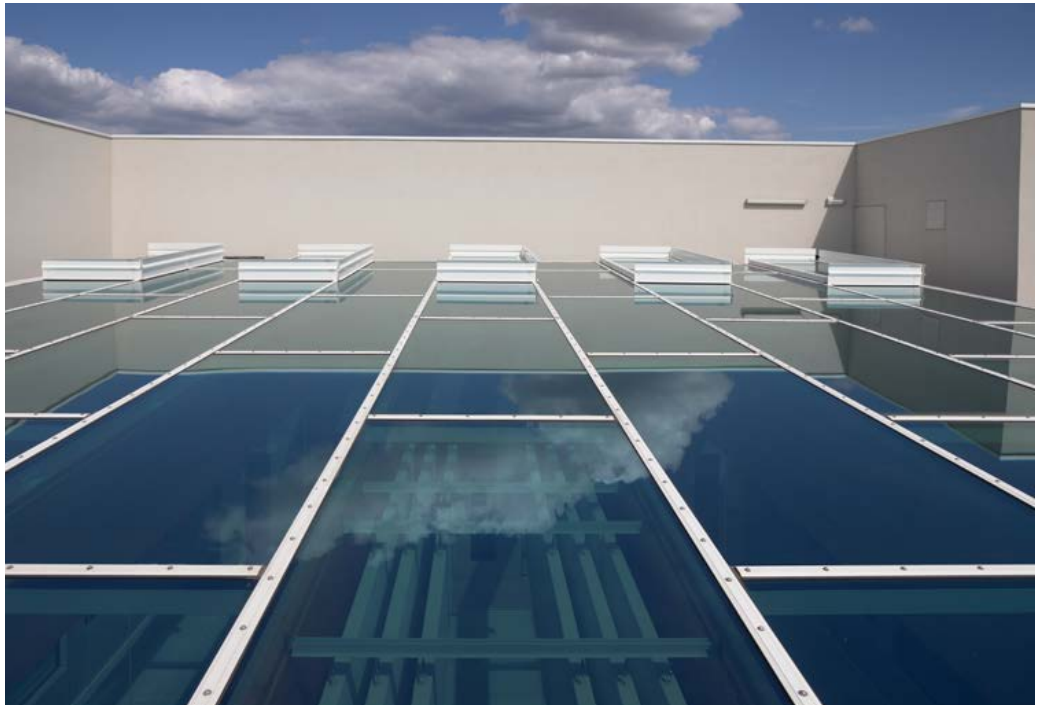
144 square metres of glass roof area

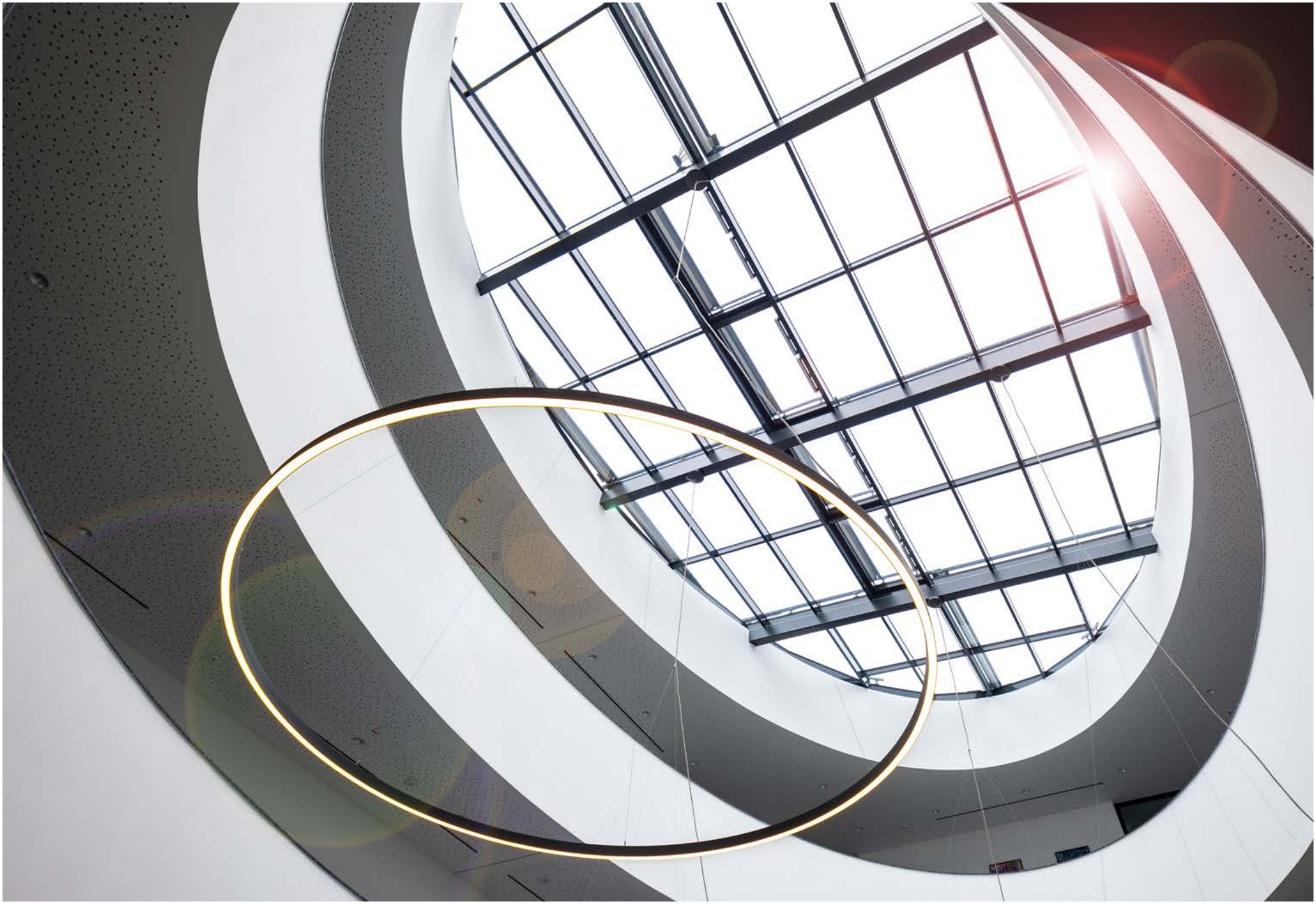
36 customised glass skylights as a bespoke roof solution

5 integrated SHEV elements for effective smoke extraction in an emergency

Scan the QR code and find out more about SHEVS and its importance for fire safety!







Kompetenzzentrum Breisgau
Eschbach, Germany

Located on the edge of the Black Forest, the Kompetenzzentrum Breisgau is a modern office building that combines clear lines, open spaces and sustainable building technology. LAMILUX designed a large-scale skylight that brings function and atmosphere into perfect balance.

The LAMILUX Glass Roof PR60, featuring an oval design, integrates discreetly into the architecture and opens the building upwards. Daylight flows evenly through the 60 glass panels into the open restaurant area, creating a bright, calm atmosphere – ideal conditions for creative exchange and relaxing work breaks.

To ensure a consistently comfortable indoor climate under changing weather conditions, the roof was equipped with controllable ventilation and solar shading. The materials used provide excellent thermal insulation and sound insulation, creating an indoor climate that is both energy-efficient and comfortable. The aluminium profiles were finished in the specified colour and complete the high-quality architectural appearance.

Scan the QR code and experience the Kompetenzzentrum up close in the reference video!

„When planning the building, brightness in the rooms was particularly important to us.“

Reinhold Noel, Managing Director, KBS-Bau GmbH

111 square metres of oval glass area for natural illumination of the building

8 ventilation flaps for a comfortable indoor climate

3 additional LAMILUX Glass Skylight F100 units as natural smoke and heat exhaust devices


Fürstenberg
BIERKULTUR SEIT 1283
Herzlich
Willkommen
in der
Genussfabrik
Fürstenberg
BIERKULTUR SEIT 1283

CADFEM
Grafing, Germany

With the construction of its new headquarters, CADFEM sets a clear example for sustainable working and modern construction. The globally active provider of simulation software combines environmental awareness, architectural clarity and a natural sense of space in its new building – supported by large-scale glass roof systems by LAMILUX.

The solid timber office building provides space for around 180 workstations as well as co-working areas, conference rooms and open meeting zones. At the heart of the concept are two light-filled atriums, illuminated by generously sized LAMILUX Glass Roof PR60 systems. They bring daylight deep into the building and, in combination with natural building materials, create bright, inspiring spaces that promote both communication and concentration.

Thanks to the intelligent spatial layout, light enters not only through the façade but also through glazed office partitions from the centre of the building into all floors. The result is a working environment that feels open, friendly and close to nature. Combined with the breathable timber construction, this creates a consistently pleasant and sustainable indoor climate – a real added value for well-being and health in the workplace.

Scan the QR code and discover more unique glass roof constructions!

„Daylight allows me to work with greater stamina, you don't get tired as quickly."

Irena Ohnesorg, employee at CADFEM

2 LAMILUX Glass Roof PR60 systems for light-filled atriums

180 bright workstations to support performance and productivity

1,400 square metres of timber for a natural and sustainable office building

Digital planning support for architects and planners

Modern construction projects require precise, efficient and flexible planning processes. LAMILUX therefore provides comprehensive support for architects and specialist planners with digital tools that accompany the entire project lifecycle – from the early design phase through technical detailing to tendering and execution. The focus is always on ensuring planning reliability, simplifying workflows and enabling seamless integration of our skylights into each individual construction project.

Individual product configuration

With the LAMILUX product configurator, skylights can be planned in a project-specific and highly detailed manner. Dimensions, glazing options, upstands, motors, accessories and many other parameters can be selected individually in just a few steps. The tool not only provides a quick overview of possible variants, but also generates technical drawings and BIM files tailored to the chosen configuration. Planners therefore receive reliable information and documentation that can be directly integrated into design and execution planning.

Specification texts in various formats

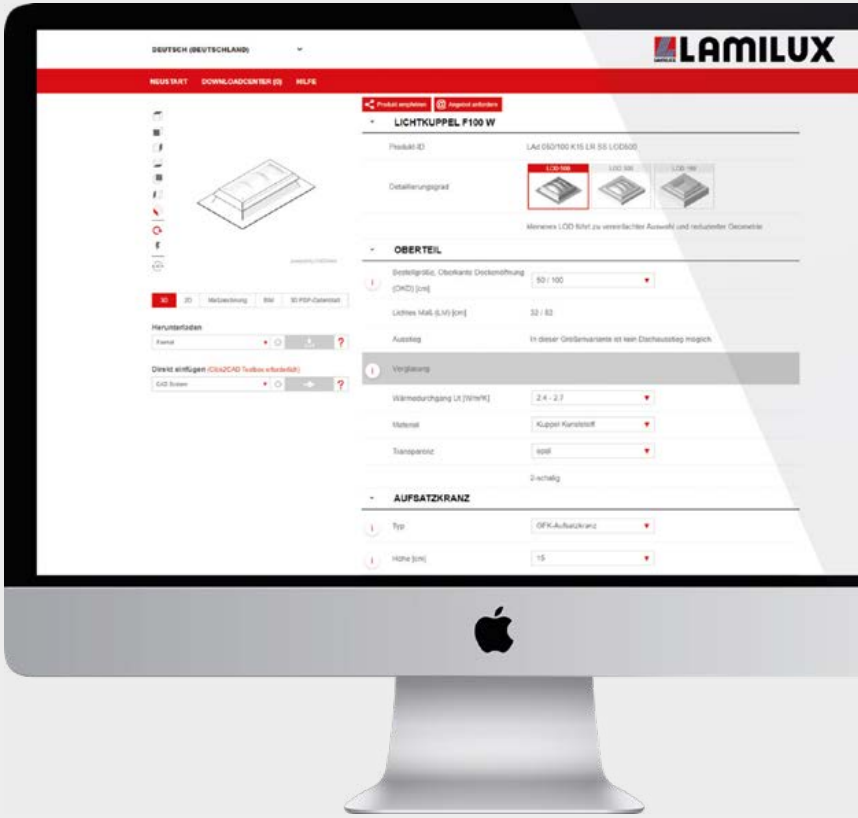
For efficient and legally compliant tendering, LAMILUX provides standardised, practice-oriented specification texts. These are available in various file formats and can be inserted directly into specifications. All texts include precise descriptions of product features and relevant technical data. This ensures clarity, minimises queries and significantly reduces the effort required to prepare tender documentation.

BIM data for integrated planning

BIM data for all relevant LAMILUX products is also available in commonly used formats. This allows skylights to be accurately integrated into digital building models and coordinated with other trades. Detailed parameters such as U-values, g-values or connection details are stored directly within the data and support integrated planning. Thanks to the high level of detail, discrepancies can be identified at an early stage, planning errors avoided and project timelines shortened.

Daylight simulation with DIALux

In addition, LAMILUX offers the option of integrating skylights into DIALux. Using the provided data, daylight situations can be simulated realistically. Planners can analyse how much natural light enters a space, how light distribution and brightness change, and which systems deliver the best results. This creates a sound basis for selecting, dimensioning and positioning daylight solutions within the building.



Find more information on our website

Sustainability with the LAMILUX Glass Rood PR60 Passivhaus – here at Sutton School in England.

SUSTAINABLE BUILDING WITH DAYLIGHT

Rethinking energy efficiency with Passivhaus

The term Passivhaus describes an internationally recognised building standard for structures that are particularly energy-efficient, comfortable and environmentally friendly. At its core is the drastic reduction of energy consumption through a combination of a highly insulated, airtight building envelope, thermal-bridge-free construction, efficient ventilation with heat recovery and the use of passive energy source

A Passivhaus requires around 90 per cent less heating energy than an existing building and approximately 75 per cent less energy than a new building constructed to conventional standards. Through intelligent planning and state-of-the-art building technologies, an energy performance level is achieved that largely eliminates the need for conventional heating or air-conditioning systems.

Why energy-efficient construction is crucial

Climate protection and resource conservation

The building sector is responsible for around one third of CO_2 emissions in Germany. Energy-efficient construction in accordance with the Passivhaus standard makes an active contribution to achieving climate targets and sustainably reduces the consumption of fossil fuels. This not only protects the environment but also reduces dependence on external energy sources.

Cost-effectiveness over the building lifecycle

Although constructing a Passivhaus initially requires higher investment – particularly in the building envelope and building services – the low operating and energy costs result in significant savings over the entire lifecycle of the building. Passivhaus are therefore considered a future-proof and economically sustainable investment, both for private clients and for public and commercial buildings.

Comfort and indoor climate

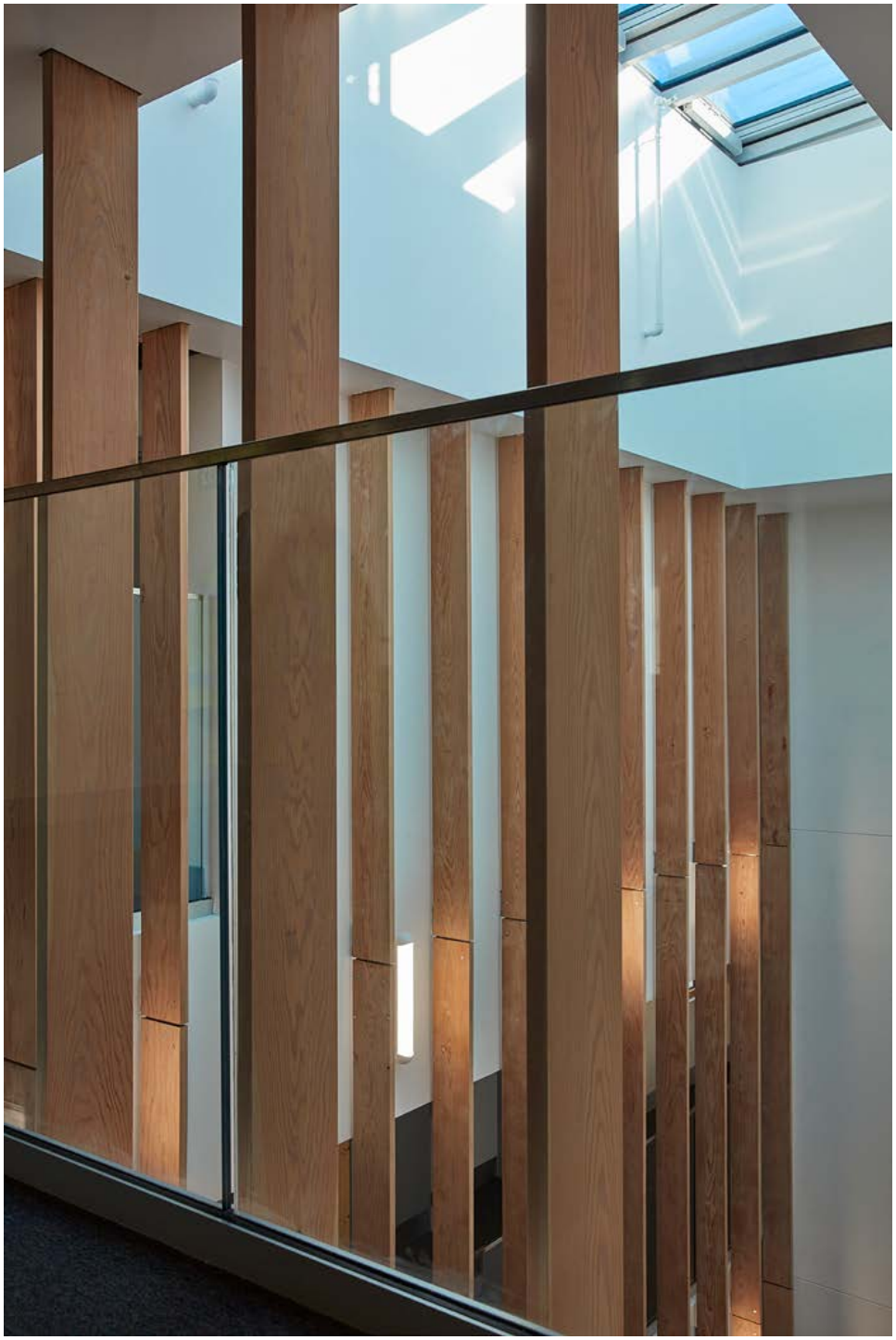
Thanks to its sophisticated construction, a Passivhaus offers a consistently comfortable indoor climate throughout the year – without draughts, with stable, pleasant temperatures and fresh air. Controlled ventilation systems ensure high indoor air quality, while the excellent thermal insulation minimises temperature fluctuations.

Skylights as a key component in passive houses

Skylights play a central role in Passivhaus, as they make a significant contribution to both energy efficiency and user comfort. Through the targeted use of flat roof windows and glass roof constructions, natural light penetrates deep into the building, significantly reducing the need for artificial lighting. High-quality glazing also allows solar energy to be utilised in a controlled manner, achieving passive solar heat gains without causing unwanted heat losses or gains.

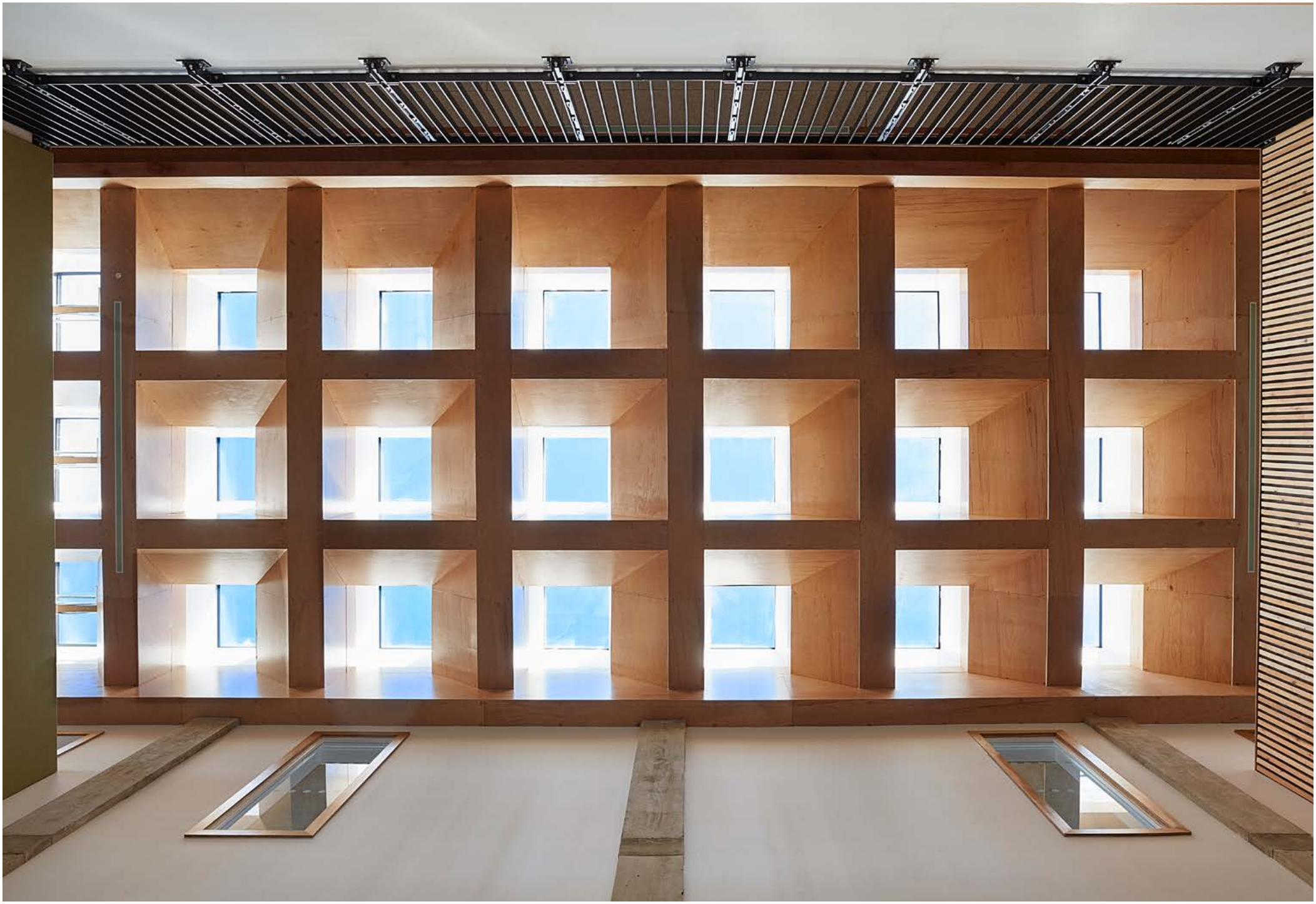
Modern, thermally optimised systems by LAMILUX are designed to be airtight, thermal-bridge-free and highly insulating, enabling seamless integration into the building envelope and reliable compliance with Passivhaus standards. PHI-certified solutions ensure that strict requirements for U-values and airtightness are met. Beyond their energy performance, bright, naturally lit spaces also enhance well-being, promote health and concentration, and create a pleasant atmosphere – a decisive added value for residential, working and educational buildings.

Scan the QR code to find out more about the life cycle of buildings.



The LAMILUX Glass Roof PR60 Passivhaus is designed for sustainable buildings – here at Sutton School in England.

Timber elements combined with the LAMILUX Glass Skylight FE Passivhaus emphasise the sustainability of the Eco Business Centre in Bicester, England.



Bicester Eco Business Centre
Oxfordshire, England

As the first Passivhaus-certified commercial building in the UK, the Bicester Eco Business Centre sets new benchmarks for energy-efficient construction. Designed by Architype, the complex combines sustainable materials, carefully planned building services and a natural ventilation concept to create a flagship project for modern, climate-friendly architecture.

A central element of the energy concept is the maximum use of daylight. 18 LAMILUX Glass Skylight FE Passivhaus units with phA certification supply the interior spaces with natural light without causing heat losses. Their excellent thermal insulation and airtightness make a decisive contribution to minimising heating and cooling demand and to meeting the strict requirements of the Passivhaus standard.

Thanks to the combination of a high-performance building envelope, innovative daylight technology and natural ventilation, the Bicester Eco Business Centre achieves an exceptionally low energy consumption and serves as a forward-looking example of sustainable office buildings.

Scan the QR code for more information about the Glass Skylight FE Passivhaus.

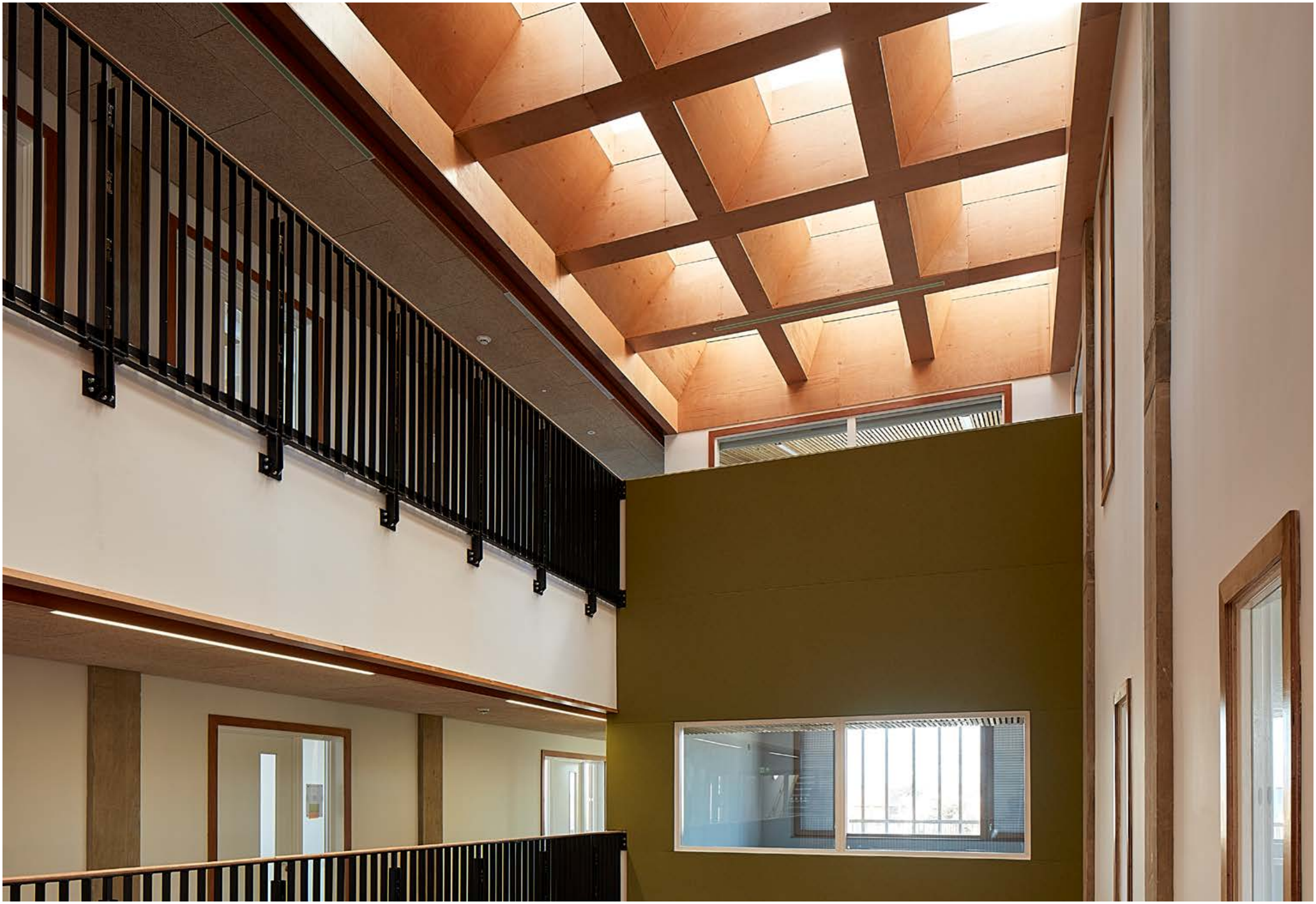
“The installed LAMILUX systems meet the criteria for sustainable building and are therefore eligible for various funding programmes.“

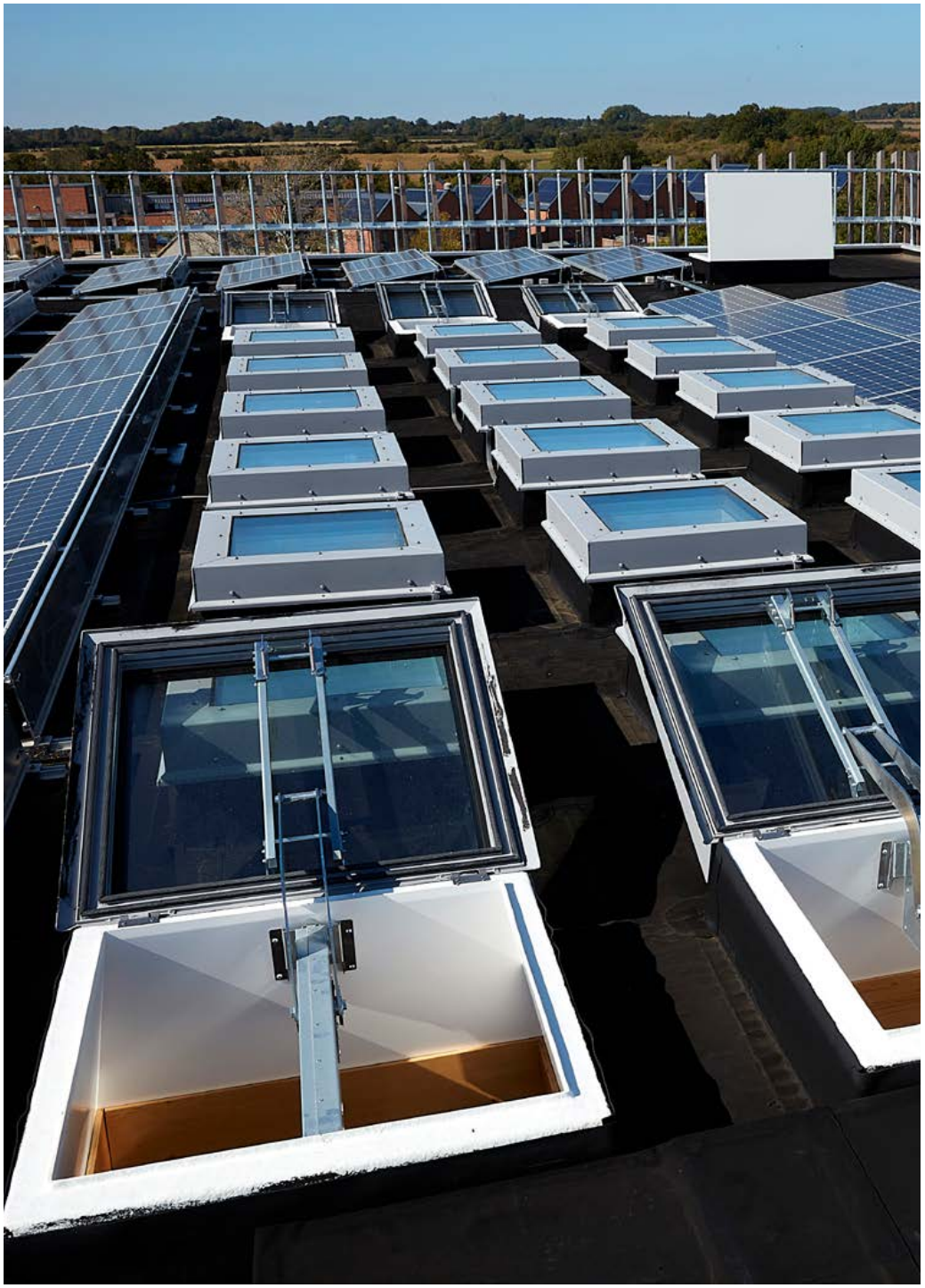
Andreas Rudolph, Head of Application Engineering at LAMILUX

18 LAMILUX Glass Skylight FE Passivhaus units for maximum energy efficiency

U-value of 0.53 W/(m²K) as proof of excellent thermal insulation

6 smoke and heat exhaust ventilation systems for increased safety in the event of a fire





University of Nottingham
Nottingham, England

With the Research Acceleration and Demonstration (RAD) Building, one of the most energy-efficient research facilities in the UK has been created on the Innovation Campus of the University of Nottingham. The approximately 2,500-square-metre centre was constructed to the Passivhaus standard and serves the development of new technologies in the energy sector. Its clear, modern architecture and the use of recyclable materials underline the future-oriented character of the building.

A key element of the energy concept is the phA-certified LAMILUX Glass Roof PR60 Passivhaus, installed in a size of 2 × 8 metres. The roof glazing consists of eight equally sized glass sections and provides uniform, glare-free daylighting of the central areas. The system's excellent thermal insulation and extremely low U-values minimise heat losses through the roof and make a decisive contribution to meeting the building's very low energy demand. This is becoming increasingly important, particularly in northern regions, as climate-friendly construction methods gain relevance.

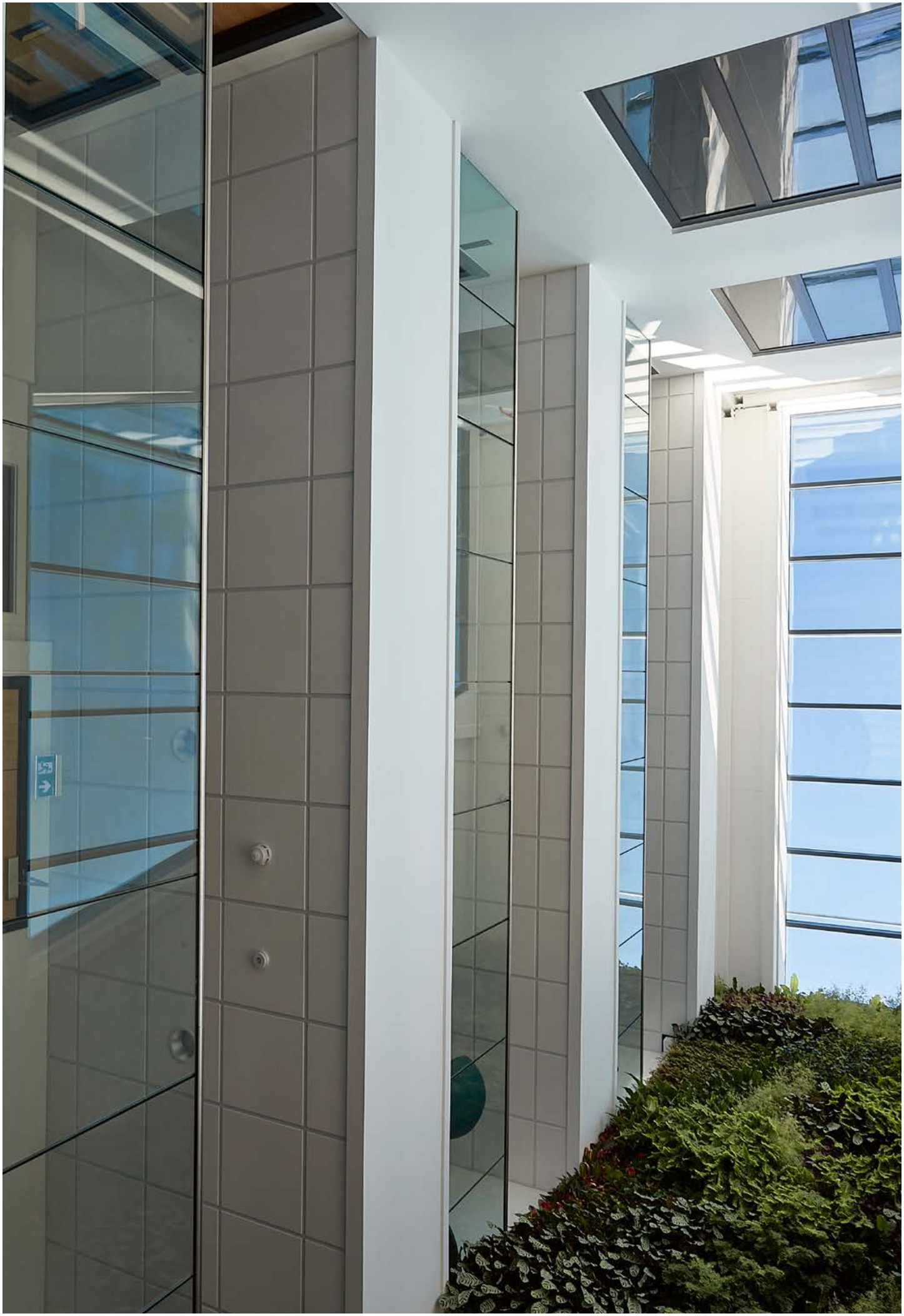
The LAMILUX Glass Roof PR60 Passivhaus combines high energy efficiency with an elegant refined design and maximum structural stability, even under extreme conditions. As a result, the University of Nottingham benefits from a future-proof solution that creates a healthy, daylight-filled indoor climate for research and development.

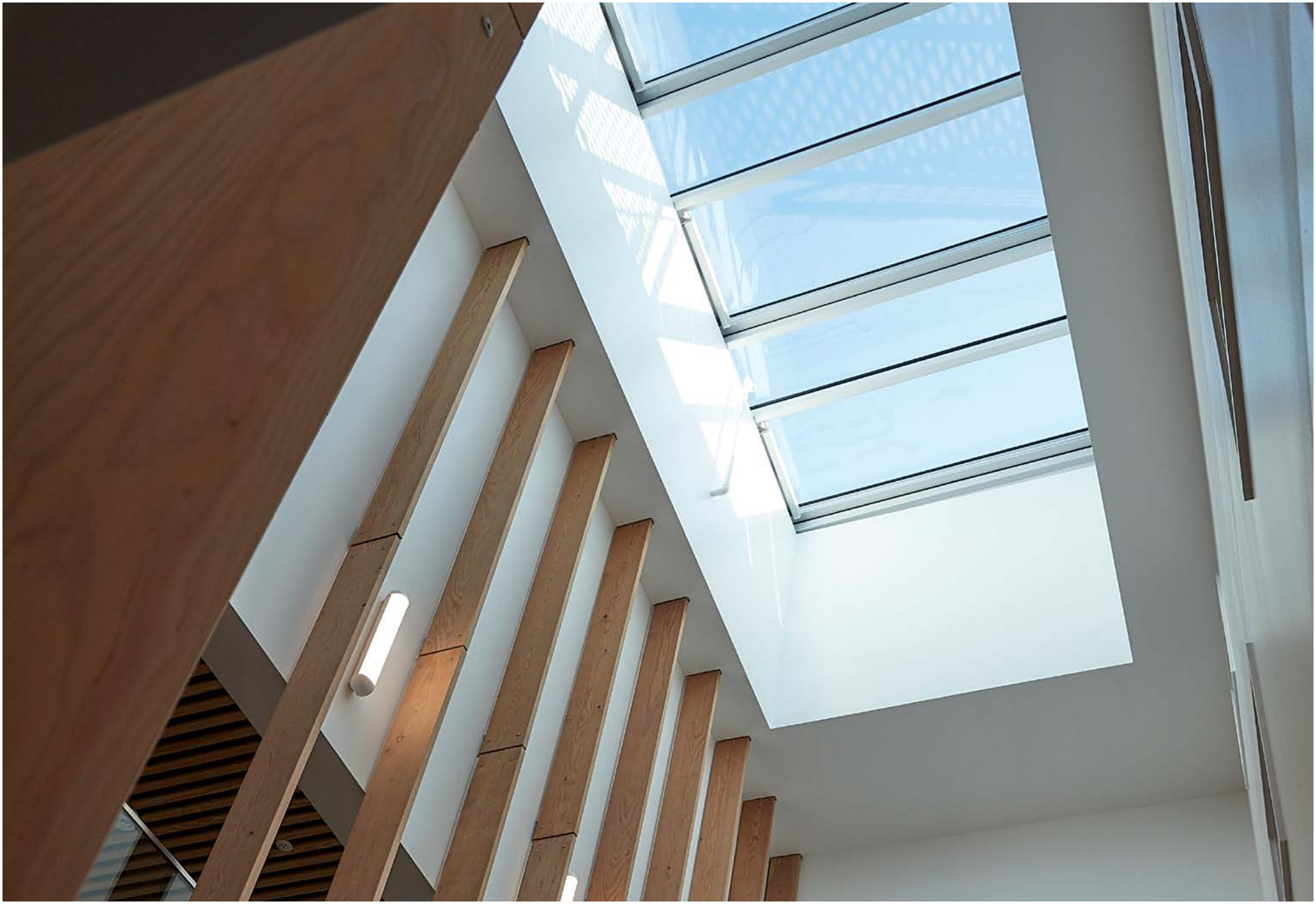
16 square metres of glass area for natural daylighting of the building

48% total energy transmittance for optimal thermal insulation and energy utilisation

2,500 square metres total floor area of the forward-looking passive house building

Scan the QR code for more information about the Glass Roof PR60 Passivhaus.





Harris Academy Sutton
Sutton, England

Harris Academy Sutton is the first Passivhaus-certified secondary school in the UK and forms the centrepiece of a new education campus in south London. The four-storey school building brings together specialist classrooms, communal areas and sports facilities under one roof, providing space for around 1,275 pupils and 95 members of staff. Generous communal areas, open learning environments and clearly structured subject zones promote interaction, transparency and modern teaching methods. At the same time, the compact building form creates ideal conditions for an energy-efficient Passivhaus concept.

A key element of the climate-friendly design is the use of ten LAMILUX Glass Roof PR60 Passivhaus systems, installed in corridors, atriums and the sports hall. The large-area roof glazing brings natural daylight deep into the building, creating bright and welcoming learning environments and improving the indoor climate through integrated ventilation functions. Thanks to excellent thermal insulation and airtightness up to phA certification, the systems meet the strict requirements of the Passivhaus standard and make a significant contribution to the building's low energy demand.

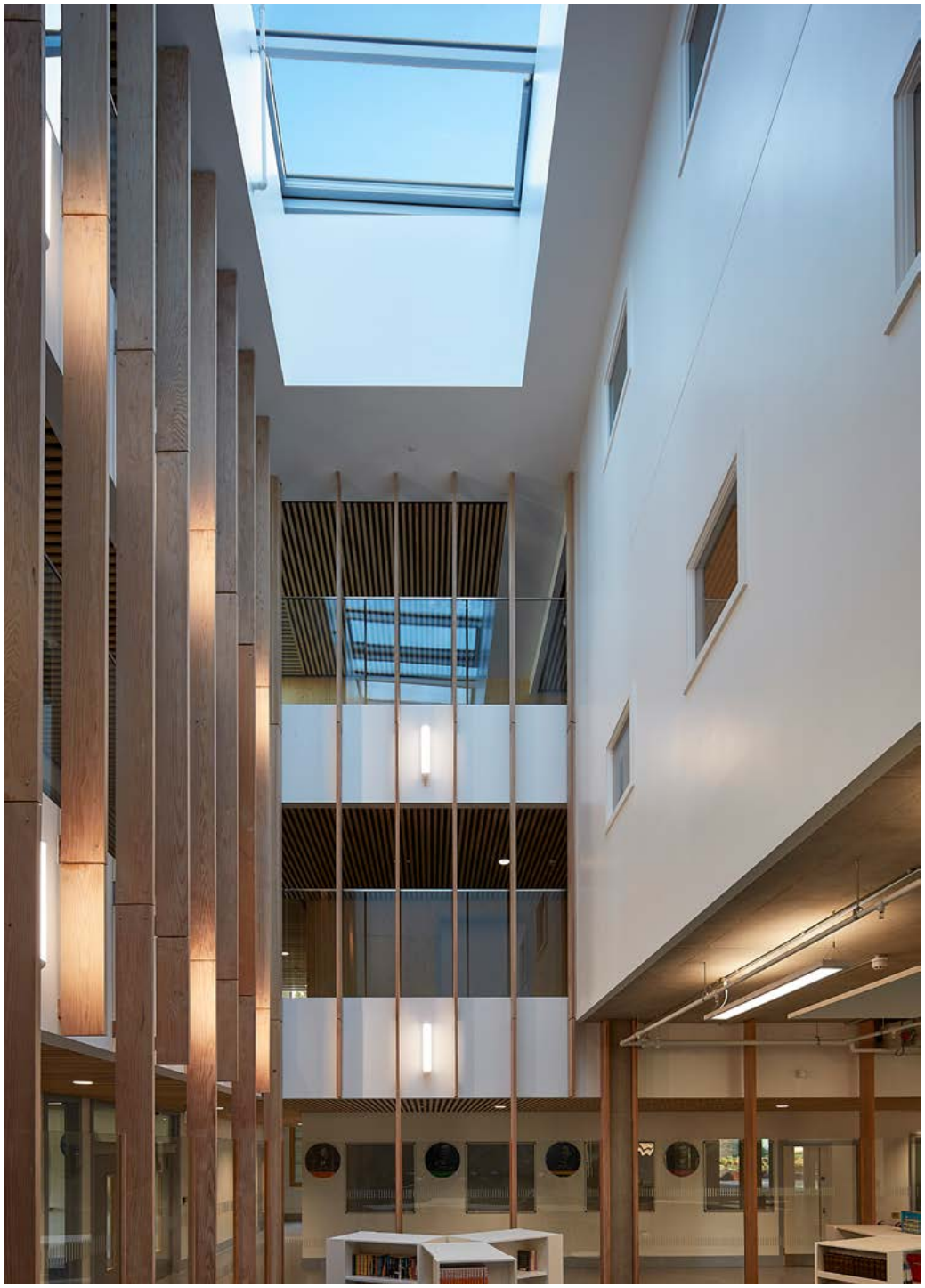
In addition, selected flat roof skylights provide targeted daylighting in deeper areas of the building. The result is a school building that not only impresses architecturally, but also ensures long-term low operating costs, high comfort and a healthy learning environment.

10 LAMILUX Glass Roof PR60 Passivhaus systems with phA certification

209 square metres of glass area for energy-efficient daylighting of the building

2 flat roof skylights as natural smoke and heat exhaust ventilation systems

Scan the QR code and experience the reference project in the corresponding video.




HARRIS ACADEMY SUTTON
Innovation
Integrity
Discovery

Children play in the nursery Emilio in Helmbrechts, Germany, brightly illuminated by daylight.

DAYLIGHT IN NURSERIES AND SCHOOLS

The importance of daylight in nurseries

A nursery is more than just a place of care – it is a living space, a learning environment and a place for development. Architecture plays a decisive role in how children experience their surroundings. Bright, light-filled spaces create a sense of security, stimulate imagination and encourage independence. Natural daylight is the key to healthy child development, says Manuel Wohlrab, Head of the "Childcare Facilities" division at the (BRK). It supports physical health while also acting as a catalyst for creativity and social learning.

Children playing at the LamiKita in Rehau.

Space as the third educator

Educational approaches such as the Reggio pedagogy view space as an active part of the learning process. Light plays a central role in this context: large windows, rooflights and daylight-filled communal areas create transparency, orientation and openness. At the same time, light – for example through the interplay of sun and shadow – enables a wide range of sensory experiences that sharpen perception and stimulate curiosity and the desire to explore.

Requirements for nursery spaces

Child-centred architecture is all about balance. Spaces must allow movement and interaction while also offering areas for retreat and calm. Daylight supports these functions – from focused play in group rooms to shared meals and moments of rest in more subdued areas. It is important that lighting design is not approached purely from a technical perspective, but is consistently aligned with the needs of children and educators.

Skyights as an educational added value

Façade windows bring light into buildings, but are often not sufficient on their own. Rooflights and flat roof windows create additional bright, welcoming spaces – even where there are no external walls. They open up new perspectives for children: views of the sky, drifting clouds or the changing play of light and shadow become part of everyday learning. In this way, skylights combine functionality with pedagogy. They do not merely create healthy and sustainable spaces, but environments that inspire, calm and spark children's curiosity.

Scan the QR code to read the full article.

The LAMILUX Glass Skylight PR60 brings plenty of daylight into the rooms of the Emilio nursery in Helmbrechts, Germany.

Mulberry Academy
London, England

The Mulberry Academy is a forward-looking secondary school located within a dense urban redevelopment area on the former London docks. Designed and built to the Passivhaus standard, the project is among the first Passivhaus-certified school buildings in London. The overall design concept focuses on creating a healthy, energy-efficient learning environment while responding sensitively to the challenges of a compact inner-city site.

The school provides contemporary teaching and communal spaces for students and staff. The Passivhaus approach ensures a constant supply of clean, fresh air, effectively shielding the interior from urban pollution and supporting a comfortable indoor climate throughout the year. Daylight availability, safety and functional roof access were key aspects of the building's daily use concept.

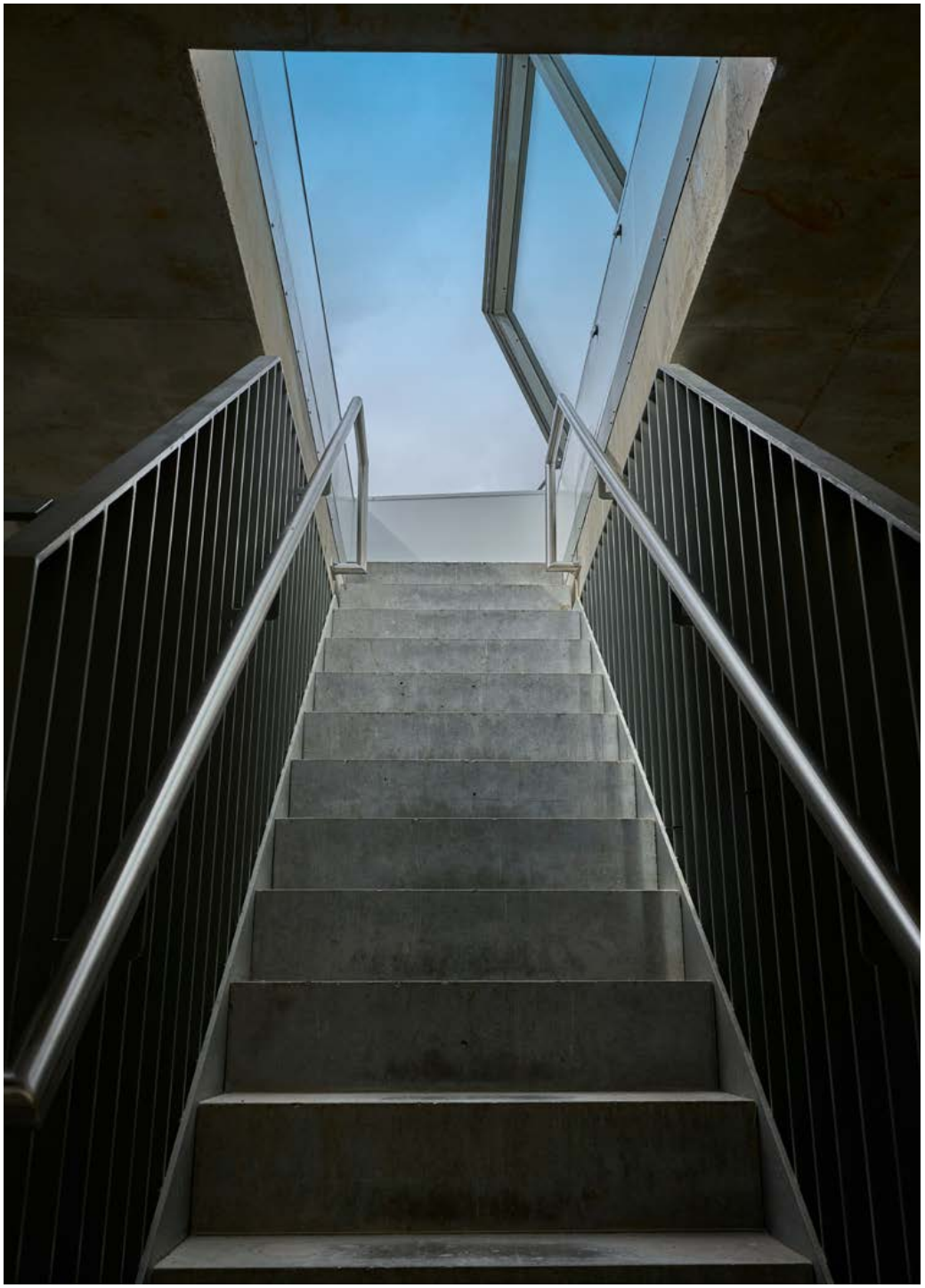
To meet these requirements, several LAMILUX systems were integrated into the roof design. Four Flat Roof Access Hatch Comfort Swings deliver generous daylight while enabling safe access to the roof via internal staircases. These are complemented by four LAMILUX Glass Skylights FE Passivhaus, certified Passivhaus components with PHPP data pre-loaded to support precise energy modelling. In addition, two Smoke Lift Glass Skylights FE enhance fire safety while contributing to everyday comfort. All installed systems meet stringent standards for airtightness and thermal performance, underlining the project's holistic and sustainable design approach.

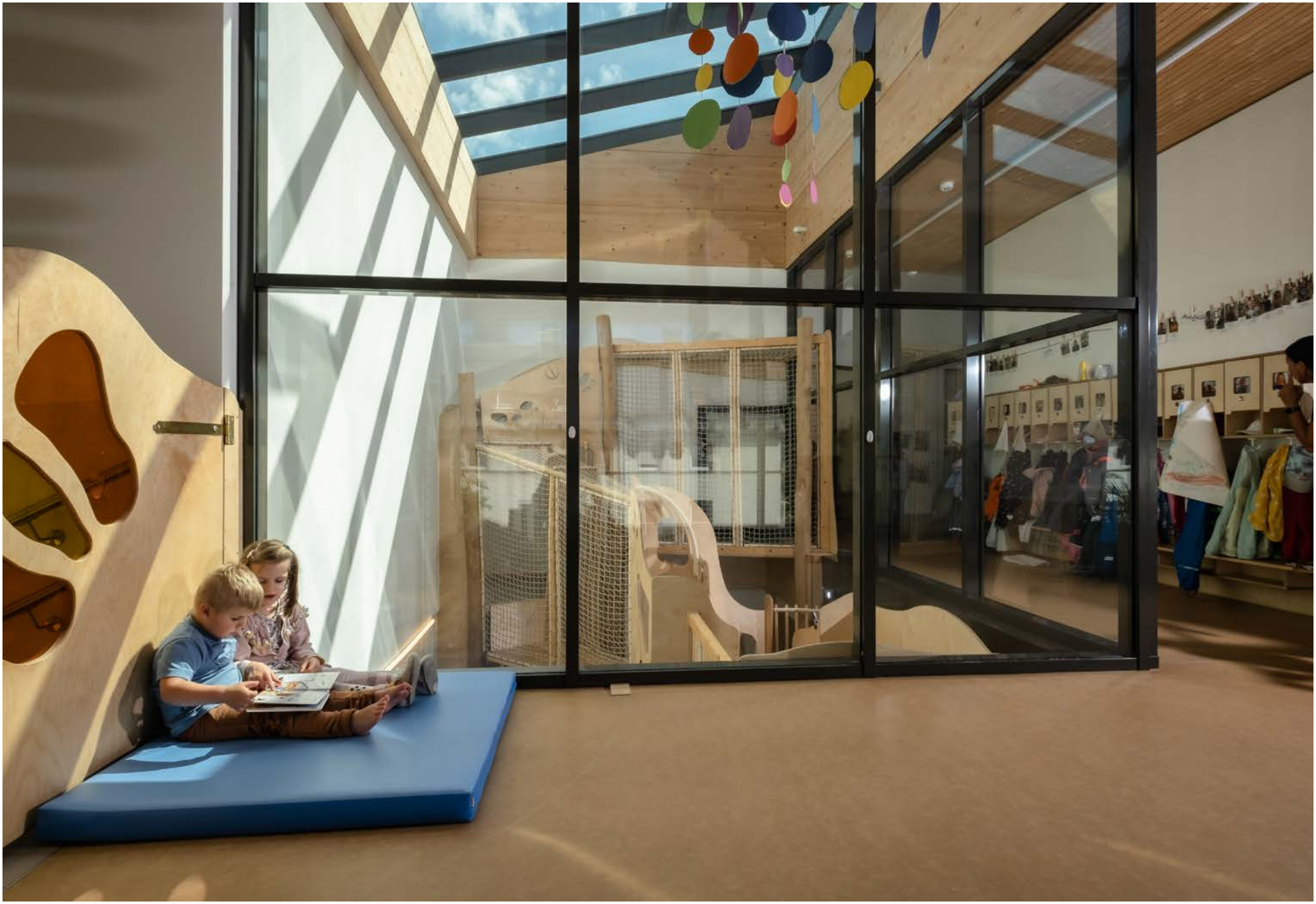
Scan the code and discover more about our fire protection solutions.

14 m² roof access area for maximum comfort when stepping onto the roof

Over 2 square metres aerodynamic free area for important smoke extraction

4 Glass Skylights FE Passivhaus for energy-efficiency and sustainability





Nursery “Emilio”
Helmbrechts, Germany

The nursery “Emilio” in Helmbrechts is a place where children can grow, explore and find moments of calm. To support this educational approach architecturally, a mono-pitch glazed roof by LAMILUX was integrated into the building – discreet in its form, yet highly effective in its impact.

The approximately 4.10 × 5.50 metre glass roof with a 15-degree inclination brings natural daylight deep into the group rooms and opens up views to the sky. It gives the spaces a sense of openness and generosity without compromising the feeling of security that children need in their everyday environment.

Thanks to optimised sound and thermal insulation, the installed glazing provides high levels of daylight while maintaining pleasant temperatures and a calm acoustic atmosphere – even during intensive use. An integrated ventilation flap enables fresh air supply without disrupting the calm visual appearance of the roof. The slim aluminium profiles, with a profile thickness of just 60 millimetres, blend harmoniously into the overall architectural concept of the nursery and maximise daylight penetration.

Scan the QR code and discover more nursery projects with LAMILUX skylights!

222.55 square metres of glass area for an open view of the sky

15-degree inclination for improved water drainage and a self-cleaning effect

60 millimetre profile thickness for maximum stability and daylight penetration

SAG Mittelschule Puntigam
Graz, Austria

With the construction of the new SAG Mittelschule Puntigam, a contemporary educational building has been created in the south of Graz, designed to support efficient functional processes and a high quality of stay in everyday school life. As a modern learning facility, the school meets a wide range of requirements in terms of spatial organisation, safety and user comfort. Natural daylight plays a central role, as it not only supports orientation within the building but also sustainably enhances the quality of the learning and communal areas.

A variety of skylights were integrated to ensure natural lighting throughout the building. A LAMILUX Rooflight Dome F100 W with integrated smoke and heat exhaust ventilation (SHEV), together with a large-scale LAMILUX Glass Roof PR60, channels daylight deep into the interior of the building. This creates bright, welcoming spaces that meet the demands of a modern school environment while also fulfilling functional requirements such as safety and user comfort.

The large glass roof measures 3.25 × 30.31 metres and blends seamlessly into the overall architectural concept of the new building. It supports uniform daylight distribution and contributes to the open, spacious atmosphere within the school.

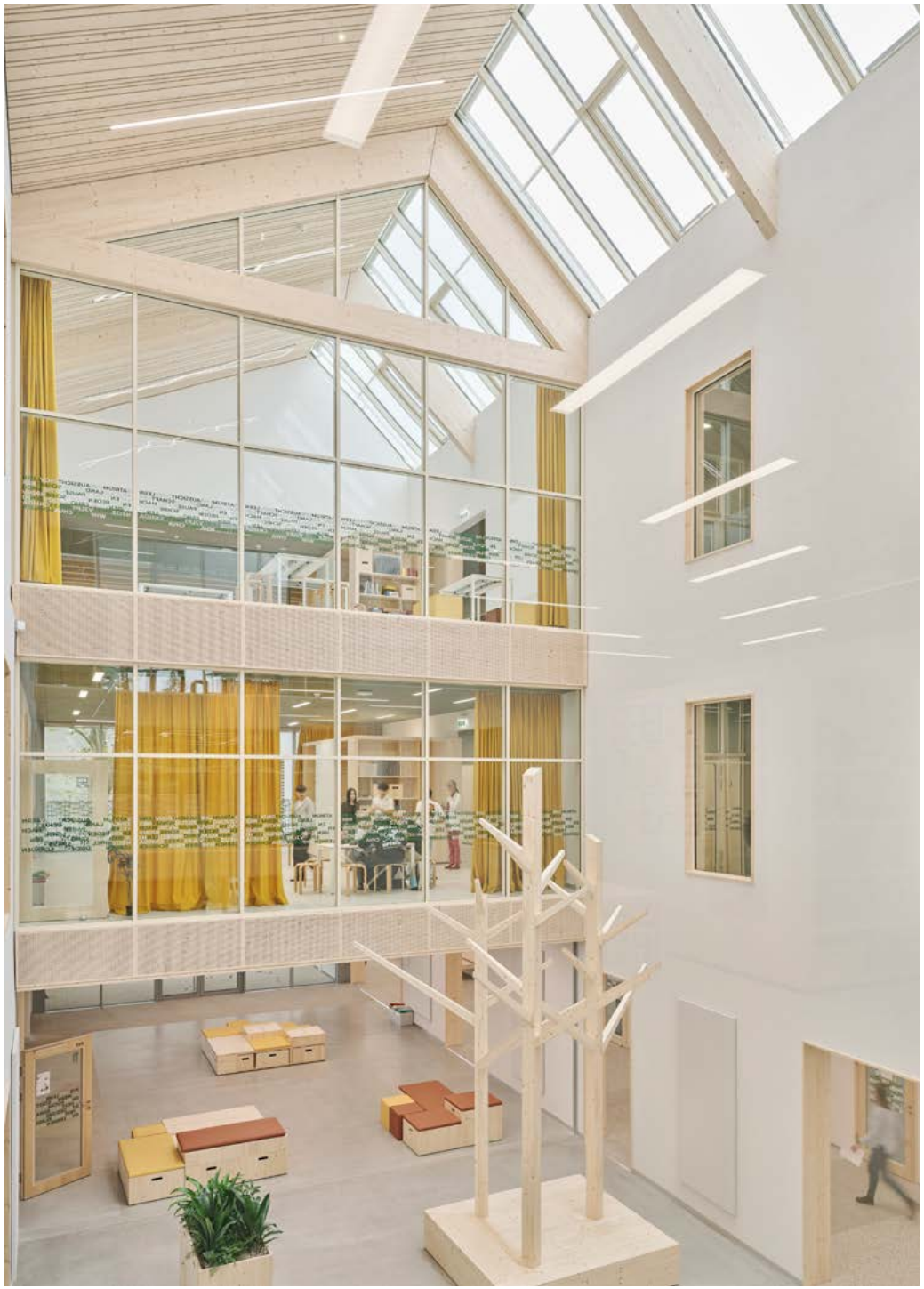
Scan the QR code and discover our broad portfolio of innovative glass roofs!

98.5 square metres of glass roof area for maximum daylight incidence

5 smoke and heat exhaust units for fire protection in an emergency

6 additional ventilation units to ensure a comfortable indoor climate

© Schreyer David



University of Augsburg
Augsburg, Germany

With the construction of its new medical faculty building, the University of Augsburg is setting a strong example for future-oriented and sustainable architecture. At the heart of the light-filled building is a spacious atrium that not only supports orientation and interaction, but also acts as a central source of natural daylight – enabled by 15 LAMILUX Glass Skylight FE 3° units.

These FE 3° skylights guide natural light deep into the building, creating an open and inspiring atmosphere that benefits students, lecturers and researchers alike. Studies show that natural daylight enhances concentration, well-being and performance – all essential factors in an academic environment.

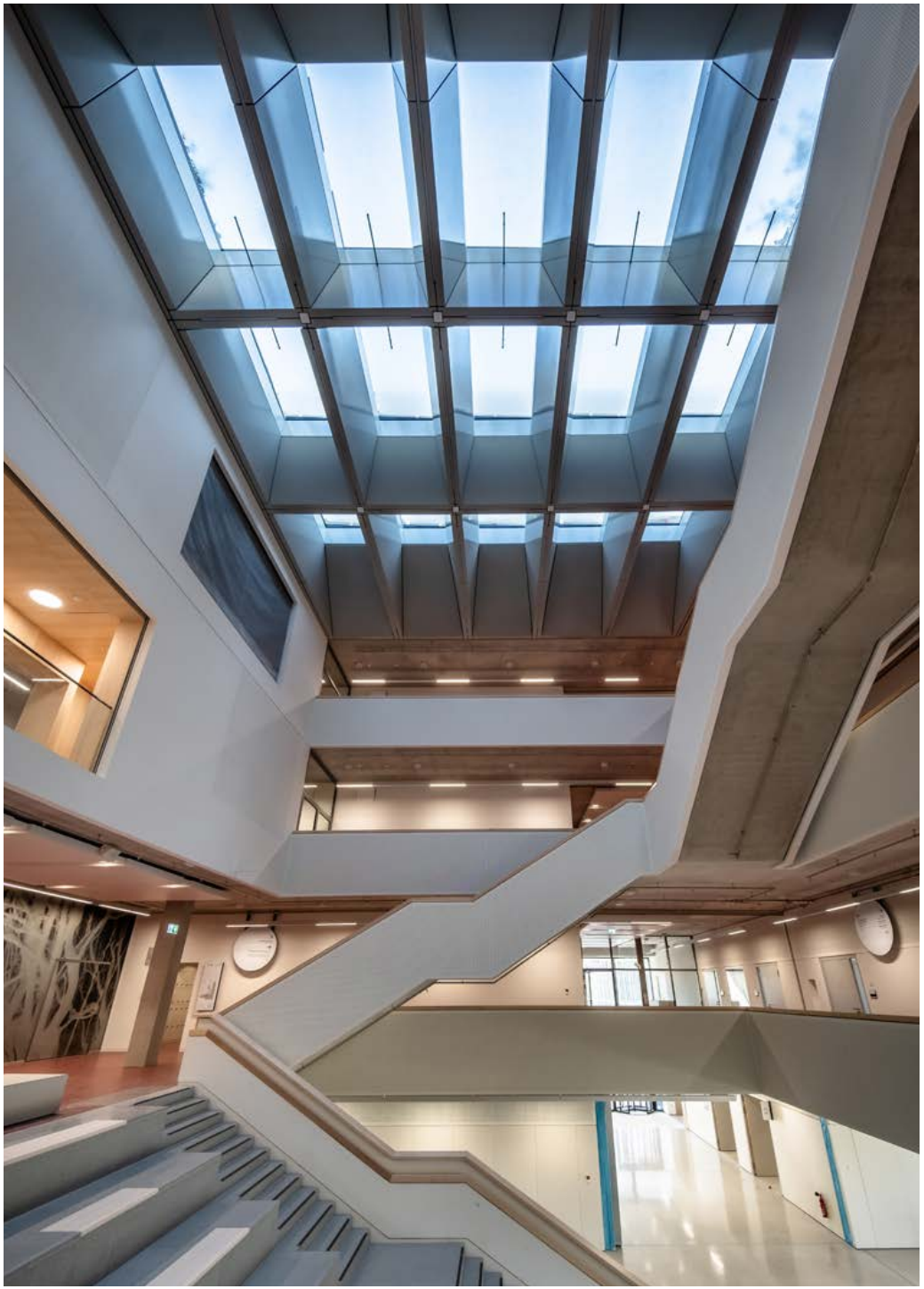
In addition to their architectural quality, the skylights make an important technical contribution to sustainable building operation. The 3-degree inclination ensures reliable water drainage and consistently clear glazing surfaces, while the high-quality construction guarantees durability, thermal insulation and airtightness. The resulting interplay of daylight creates vibrant lighting conditions that structure the architecture and positively influence the indoor climate.

15 LAMILUX Glass Skylight FE 3° creating an impressive glass roof appearance

3-degree inclination for sustainable performance and reliable drainage

1,500 students using the daylight-filled atrium

Scan the QR code and discover more skylights from LAMILUX!



Several LAMILUX Glass Skylights FE Circular bring plenty of daylight into a residential house in Manchester.

DAYLIGHT AT HOME

Generous daylight ingress in a multi-family residential building in Offenbach.

Natural sources of daylight for warmth and well-being at home

We spend most of our lives indoors – within our own four walls, in our home. A place where we feel safe, sheltered and comfortable. A place where we spend time together as a family and where everyday activities unfold. Natural sources of daylight play a key role in creating bright, light-filled living spaces and a friendly, homely atmosphere. Ensuring this from the outset is why thoughtful daylight and interior planning is of such great importance.

Why windows and rooflights should already be considered at the concept stage of a house, and the role interior design plays in achieving optimal daylight conditions, is explained by architect Julia Jantos.

Planning sufficient natural daylight from the very beginning

The wishes and needs of the client must be brought into harmony with the given site conditions. This is one of the main reasons why Julia Jantos chose to become an architect after training as a structural draughtsperson: “I wanted to design buildings myself – not just draw what someone else had planned.” For Jantos, every building project is unique. She designs and plans each house with passion, growing with every project. Yet there is one aspect she believes every future homeowner should consider from the very beginning: planning sufficient natural sources of daylight. “Especially in the rooms where we spend most of our time – such as the living room or kitchen – natural light is extremely important. We notice how bright, light-filled spaces make us feel more energetic and comfortable. And of course, we shouldn’t forget that we also want to be able to see clearly within our own four walls.” According to Jantos, there are also some useful guideline values. For example, a room with a floor area of ten square metres should have windows measuring at least 2 to 2.5 square metres. This corresponds to around 20 to 25 per cent of the room’s floor area.

Orientation of windows according to cardinal directions

The orientation of a building also plays a crucial role in window planning in order to achieve maximum energy efficiency and optimal lighting. “Generous south-facing windows allow for solar heat gains and abundant daylight, which improves the building’s energy balance and reduces heating costs,” explains Jantos. North-facing windows, on the other hand, should be planned in a more limited way to minimise heat losses. Rooms facing east – such as kitchens, bedrooms or studies – benefit from morning sunlight, helping occupants wake up gently at the start of the day. Rooms intended for relaxation should ideally face west, as they receive warm afternoon and evening light that supports winding down and falling asleep. Efficient solar shading, for example with awnings or blinds, must also be planned to avoid excessive heat and glare during the summer months. Bedrooms under the roof, in particular, require sufficient shading. Windows should also be cleaned regularly to ensure daylight can actually reach the interior. Furniture such as sofas or armchairs should be positioned close to windows, while tall cupboards that reduce daylight penetration should be avoided. Mirrors can also have a significant effect: when placed opposite windows, they reflect sunlight and distribute it further into the room, making the space appear brighter.

The choice of wall colours also contributes to effective daylight use. Light colours reflect daylight better than dark ones. For this reason, dark floor coverings should also be avoided.

Rooflights create an exceptional living atmosphere

However, façade windows are not the only natural light source for homes and apartments. Rooflights also significantly enhance daylight penetration. “Using rooflights noticeably increases the amount of daylight and improves its even distribution throughout the room,” explains Jantos. Rooflights can even allow upper floors to be designed without artificial lighting during the day. Incoming daylight fundamentally changes the architectural perception of space and illuminates specific areas more effectively than façade windows alone.

Corridors and stairwells on upper floors also benefit greatly from rooflights. Ceiling openings and galleries create impressive spatial impressions and generous visual connections between storeys. Rooflights are particularly effective in creating synergies between daylight use and spatial design, resulting in harmonious, light-filled interiors.

Interior design that supports daylight

Not all homes or apartments have sufficient natural daylight sources. However, there are several ways to make better use of available daylight and maximise light yield within a space. The first tip from Julia Jantos, shared with a smile, is simple: clean your windows regularly so daylight actually has a chance to enter the room. Furniture placement, surface materials and colour choices also play a crucial role. Light wall colours, reflective surfaces and thoughtful spatial layouts help guide daylight deeper into interiors and create a pleasant, bright living environment.

Scan the QR code to read the full article.

LAMILUX Modular Glass Skylight MS78 as a functional solution for your home.

Townhouse Hohen Neuendorf
Berlin, Germany

In Hohen Neuendorf, just outside Berlin, a new concept for urban living is taking shape. Situated between the Barnim Nature Park and an tram connection, the townhouse development offers modern families both a place of retreat and a gateway to the city. A key design element of the new architecture is the Flat Roof Access Hatch by LAMILUX, which connect light, space and quality of life in a new way.

In total, 34 LAMILUX Flat Roof Access Hatches Comfort Swing provide access to the private roof terraces of the townhouses. They not only create comfortable access to the outdoors, but also allow generous amounts of natural daylight to enter the rooms below through their large glazed surfaces. The result is bright, airy living spaces with a high level of comfort – from the open-plan living areas to the upper stair landings.

With an opening angle of up to 84 degrees, the roof access units enable safe and barrier-reduced access to the roof terraces. Especially in compact townhouse layouts, this makes it possible to unlock previously unused space – a clear added value in terms of both living quality and property value. The systems are not only highly functional, but also aesthetically convincing. A 5-degree inclination ensures reliable water drainage, while the flush glazing combined with a slim frame construction creates a calm, high-quality appearance – inside and out

34 Flat Roof Access Hatches Comfort Swing for private terrace access

84-degree opening angle for barrier-reduced access and maximum usability

5-degree inclination for reliable drainage and elegant design

Scan the QR code and experience the reference project up close in the video!

Residential Building
Freiburg, Germany

During the renovation of a single-family home in Freiburg, daylight planning played a central role. The existing glass roof had reached the end of its service life and was not simply replaced, but upgraded to a modern, energy-efficient solution offering a high level of living comfort.

The solution chosen was the LAMILUX Modular Glass Skylight MS78, covering an area of approximately ten square metres. The construction consists of six individual modules and two integrated ventilation elements and was installed within a single day thanks to the prefabricated system design. The generous glazing allows abundant daylight to enter the living spaces, creating a bright, open atmosphere that visually connects indoor and outdoor areas.

In addition to its architectural impact, the system also delivers clear technical benefits. The highly insulated glass surfaces sustainably improve the building's energy balance, while the ventilation elements ensure a pleasant indoor climate with fresh air. In this way, the new glass roof combines daylight, efficiency and comfort in a contemporary residential solution.

Scan the QR code to find out more about the LAMILUX Modular Glass Skylight MS78.

6 individual glass modules for a tailored renovation solution

2 ventilation flaps for a comfortable indoor climate with fresh air

12-degree inclination for optimal water drainage and reduced dirty edges

Residential Building Church Road
Bath, England

In the historic setting of Bath, a modern residential building was created with a strong emphasis on daylight, comfort and energy efficiency. When extending the house, the client deliberately focused on guiding daylight into the interior and creating a strong connection to the outdoor space – while at the same time prioritising sustainability and high construction quality.

Two triple-glazed LAMILUX Glass Skylight FE units were installed in the roof. They not only bring generous amounts of daylight into the living spaces, but also meet the specific requirements of a dense timber construction. In the kitchen and dining area, a generously sized Glass Skylight FE 3° with a glass area of four square metres was fully integrated into the roof, including electric opening and suitable shading for effective solar control. In the entrance area, a fixed flat roof window measuring 1.2 × 0.9 metres creates a bright and welcoming atmosphere without compromising the thermal performance of the building envelope.

Thanks to the high-quality triple glazing, the system significantly reduces heat losses compared to conventional solutions and contributes to stable indoor temperatures. Combined with careful detailing and precise workmanship of frames and connections, the result is a living environment that offers high comfort for the family while also creating an architectural highlight.

3 square metres of glass area for unobstructed daylight penetration

39 dB sound insulation for a pleasant living atmosphere

40-centimetre-high GRP upstand for reliable thermal insulation and structural stability

Scan the QR code to find out more about choosing the right upstand.

Residential Building Manchester, England

In a modern residential building in Manchester, the connection between expressive architecture and natural daylight was a central focus of the design. The three-storey new build is characterised by clear lines and generous spatial proportions, which are further emphasised by the targeted use of rooflights.

Five circular LAMILUX Glass Skylight FE units in different sizes were installed. Three of them, each with an impressive diameter of 2.5 metres, bring abundant daylight into the central living areas and create bright, open spaces with a distinctive atmosphere. Two smaller motorised units with a diameter of 1.5 metres provide both daylight and natural ventilation for bathroom and communal areas.

All skylight elements were factory-mounted on thermally insulated upstands, enabling fast installation as well as permanently airtight and watertight connections. The high-quality glazing ensures pleasant brightness and contributes to the building's energy efficiency. The result is a clear architectural statement that harmoniously combines functionality and design.

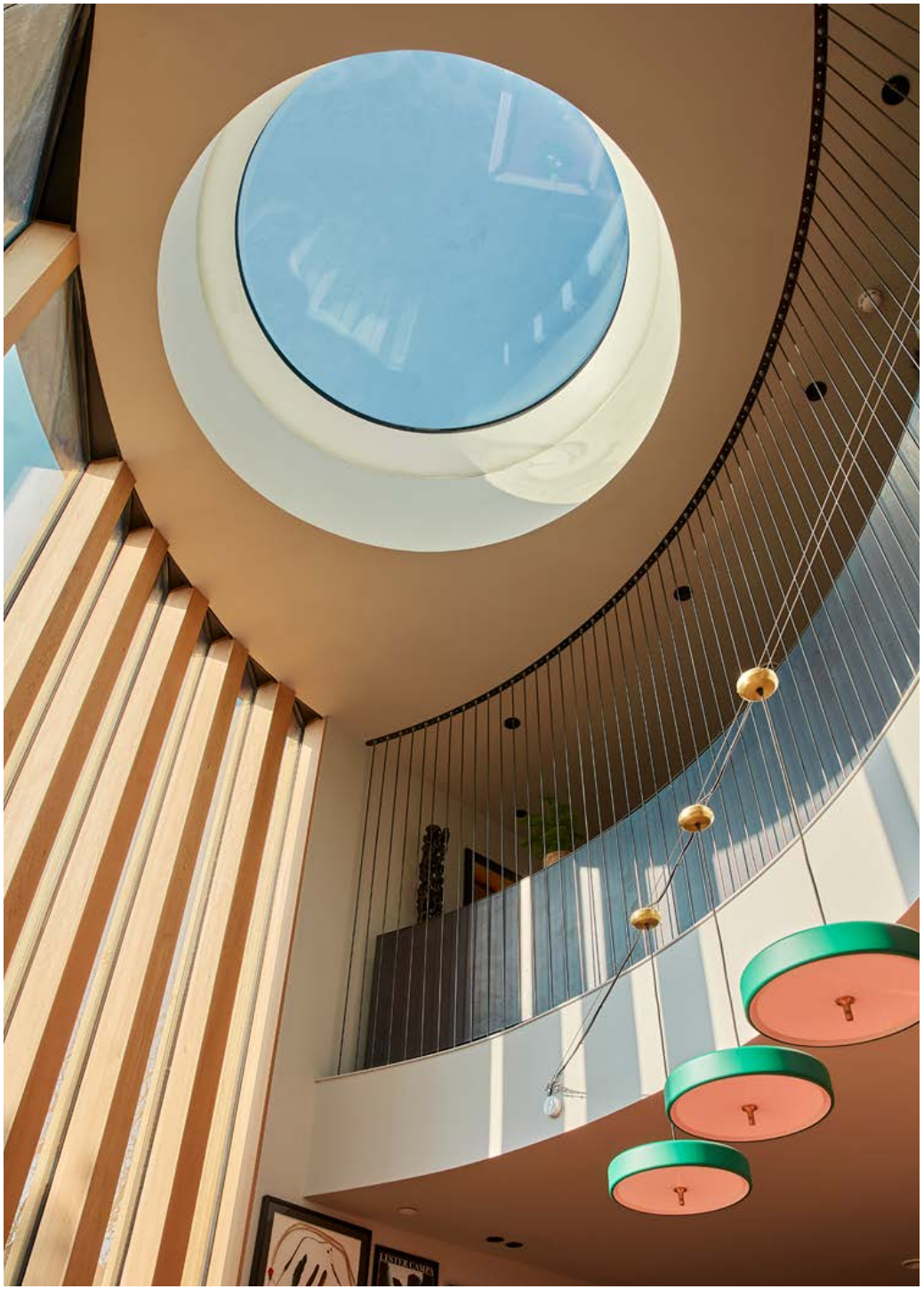
5 circular LAMILUX Glass Skylight FE units as architectural highlights

2.5 metre diameter for an impressive spatial impact

18 square metres of glass area for natural illumination of the living spaces

Scan the QR code to find out how skylights can also be installed retrospectively.


2100
ASANAS



Bright rooms create a pleasant atmosphere at the Accident Hospital in Berlin.

DAYLIGHT IN HOSPITALS

Winning design for the patient room in the replacement new-build at Hospital Arlesheim.

Healing architecture in healthcare facilities

Hospitals and care facilities are places where people are vulnerable and often filled with anxiety. Architecture can play a crucial role in reducing stress and creating a sense of trust. The concept of healing architecture therefore aims to design spaces that promote well-being, support orientation and convey a feeling of safety and comfort.

Architecture as a “second body”

Studies show that the built environment has a measurable influence on the healing process. Architecture acts like a “second body” – offering protection, conveying safety and supporting emotional stability. Factors such as clear orientation, privacy and a human scale help determine whether patients feel secure or unsettled. When these principles are consciously integrated into planning, stress levels can be significantly reduced – an essential step in supporting recovery.

Daylight as the most powerful influencing factor

Among all environmental factors, daylight plays a particularly important role. It improves orientation, stabilises the sleep–wake rhythm and has an antidepressant effect by positively influencing hormone balance. As early as Florence Nightingale, it was recognised that darkness can generate fear and hinder healing. Today, numerous studies confirm this: spaces with natural daylight reduce stress, promote restful sleep and increase patients' trust in treatment. In the absence of daylight, feelings of insecurity and anxiety can increase noticeably.

Designing with light

Good architecture does not rely solely on large window areas, but uses light in a differentiated and targeted way. In patient rooms, the combination of views to the outside and flexible lighting creates a sense of control, supporting the healing process. Rooflights additionally bring brightness into deeper areas of the building and create vibrant lighting atmospheres that balance openness with a sense of enclosure. Waiting areas, on the other hand, benefit from softer, more subdued light that allows for retreat and privacy. In children's hospitals, daylight is often used playfully by combining it with colours, furniture and wall design. This creates moments of light that reduce anxiety and provide positive distraction.

Scan the QR code to read the full article.

Light-filled space for development and normality at the New Children's and Youth Clinic in Freiburg.

Accident Hospital Berlin
Berlin-Marzahn, Germany

Located in the densely built-up district of Berlin-Marzahn, the Accident Hospital combines medical care with clear, functional architecture. For the new hospital building, particular emphasis was placed on creating a calm, light-filled atmosphere – supported by a discreetly integrated glass roof by LAMILUX.

The impressive LAMILUX Glass Roof PR60 above the central atrium channels natural daylight deep into the building, benefiting patients, nursing staff and visitors alike. Natural light has a positive effect on orientation, recovery and concentration – a decisive added value in everyday hospital life.

With its clear light guidance and restrained technical integration, the structure blends unobtrusively into the existing architecture while still making a strong architectural statement. The daylight concept contributes both to the building's energy efficiency and to the visual calm of the interior spaces, which are dedicated to the health and well-being of their users.

Scan the QR code to find out more about the hospitals of the future!

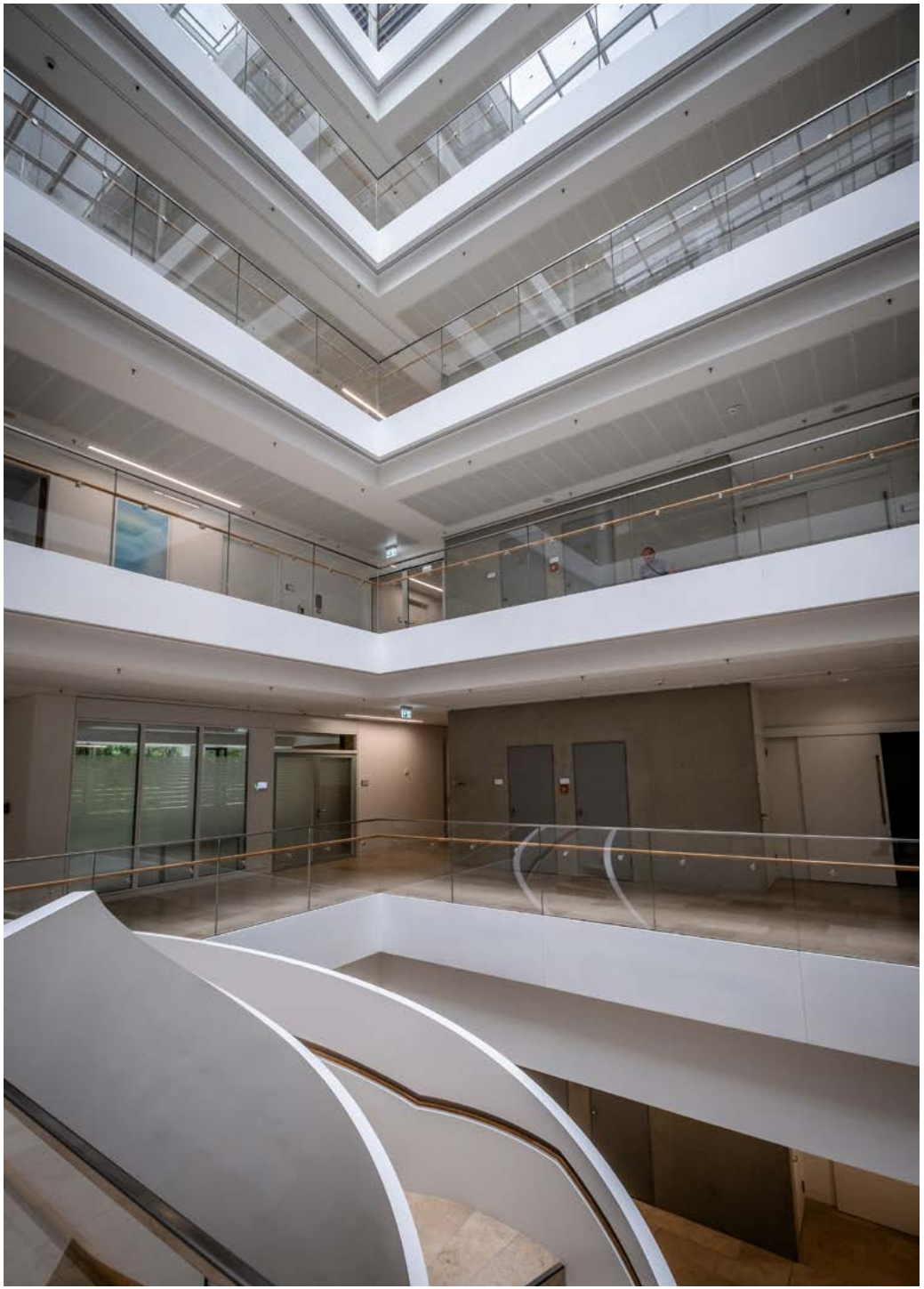
„Daylight has a calming and healing effect on people. In healing architecture, it is used deliberately to create spaces that reduce stress and support recovery processes."

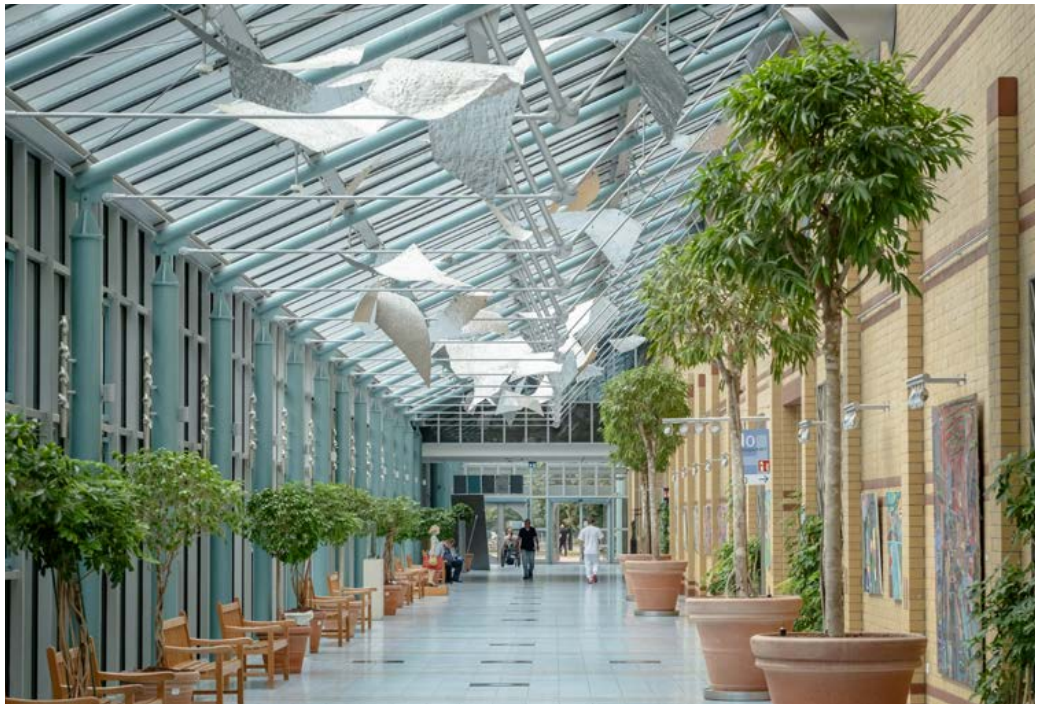
Torsten Gundlach, Head of Construction, Accident Hospital Berlin

Large LAMILUX glass roof providing abundant daylight for the central atrium

730 beds and 26 wards within the hospital

External shading for protection on hot days





Selected highlights from LAMILUX

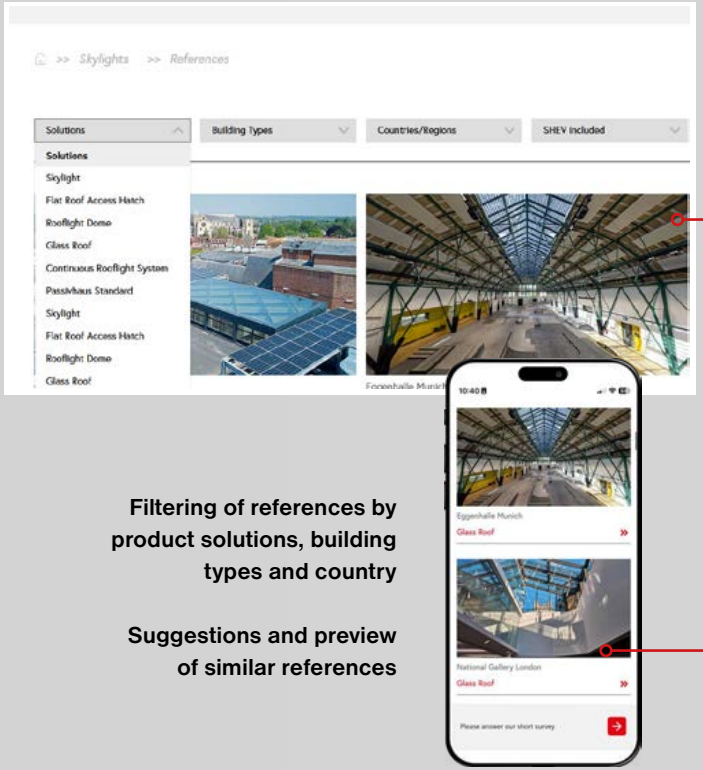
More references on our website

Whether it's the BMW Research Centre, the Berlin rooftop terrace or the adidas company headquarters – our skylights set benchmarks worldwide. Discover how daylight architecture brings spaces to life and successfully meets complex functional requirements. Our reference projects demonstrate the wide range of applications for our skylights, showing how spaces can be filled with natural light while addressing architectural and technical challenges at the same time.

Across the globe, our innovative flat roof windows, rooflight domes, glass roofs and continuous rooflights are in use. They enhance a wide variety of buildings – from residential homes and schools to shopping centres, event venues and industrial buildings. Each project tells its own story: of optimal daylight utilisation, sustainable energy efficiency and carefully considered fire protection concepts.

What you can expect:

- **Targeted search for every requirement:** Thanks to intelligent filter functions, you can search references by product type, building category, country or specific criteria such as smoke and heat exhaust ventilation or refurbishment. This allows you to find the most relevant projects for your renovation needs in just seconds.
- **Real impressions instead of dry data:** Extensive image galleries and videos provide a vivid impression of each project. Experience architecture, daylight and technical solutions in a realistic and inspiring way.
- **Right where it is:** Integrated Google Maps links show you immediately where a project is located. This helps you understand the geographical context or even plan a visit on site.
- **Easy to share:** With the built-in sharing function, you can easily forward inspiring references to colleagues and partners via email, WhatsApp or social media.



Filtering of references by product solutions, building types and country

Suggestions and preview of similar references

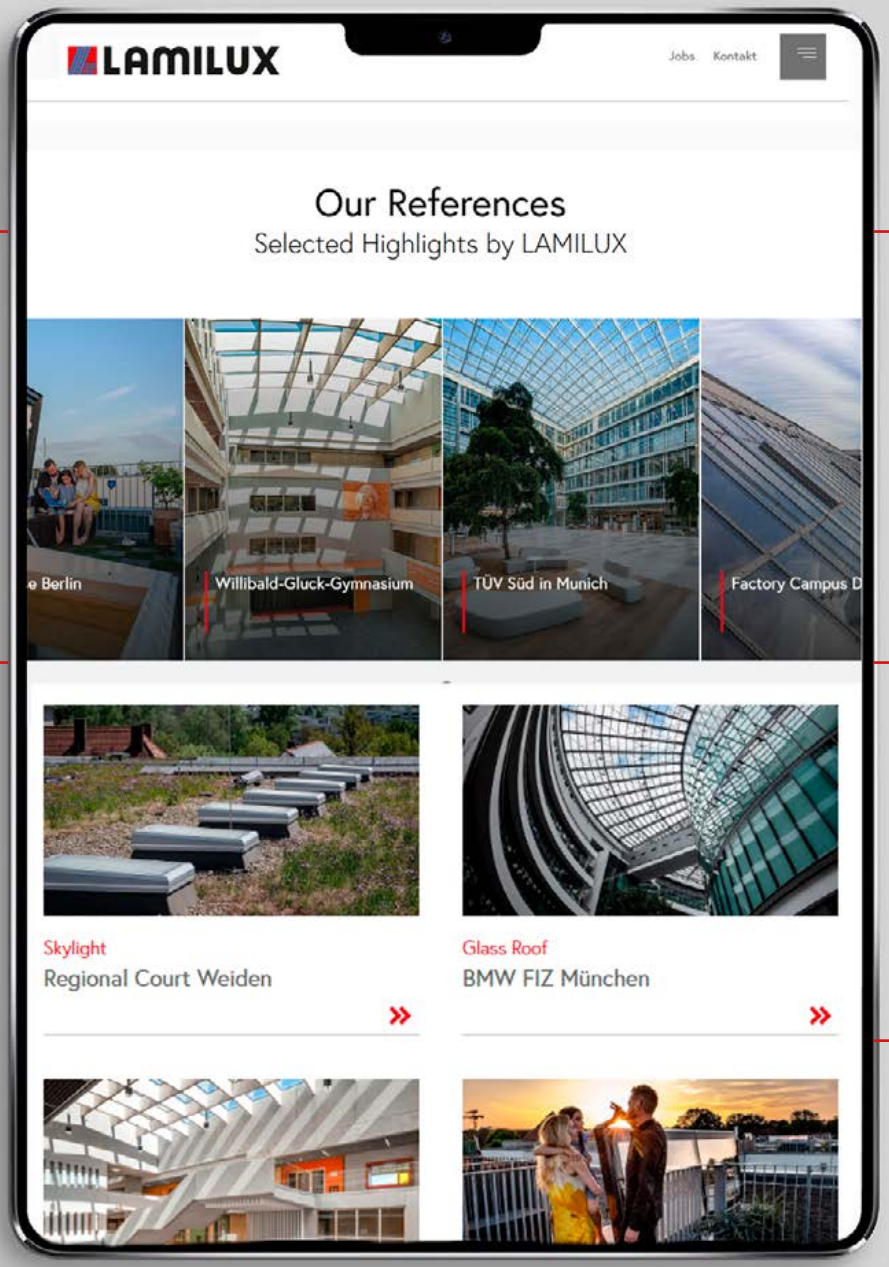
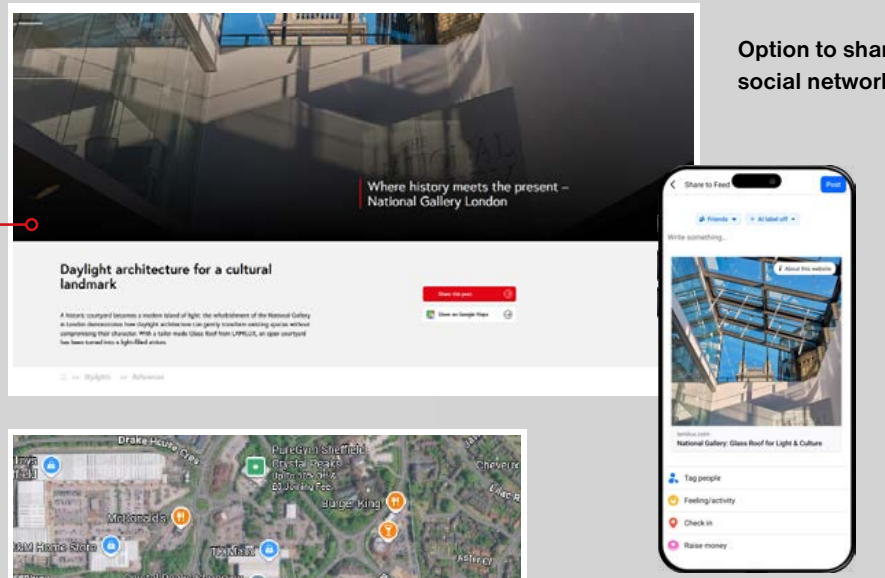


Image and video integration for a perfect experience

Clear presentation of the facts with detailed information about the construction project



Option to share the project on social networks

View the reference on Google Maps

The EUREF Campus in Düsseldorf is a good example of a repurposed public building.

DAYLIGHT IN PUBLIC BUILDINGS

EUREF Campus

In Düsseldorf, the second EUREF Campus is being developed – a European energy forum for around 4,000 employees from start-ups, research and industry. Covering an area of 80,000 m², the focus is on sustainability, energy and mobility. A 4,000 m² glass roof provides the interior spaces with daylight while also protecting them from environmental noise thanks to acoustic glazing.

Further development of the Berlin model

The first EUREF Campus in Berlin serves as a real-world laboratory for the energy transition. In Düsseldorf, this concept is being further developed. The campus forms a block structure between the airport, railway line and motorway – a noisy environment that is shielded by a closed façade. Three inner courtyards with indoor gardens create a calm, light-filled atmosphere that encourages creative exchange.

Innovative architecture with a glass roof

The LAMILUX Glass Roof PR60 provides daylight, sound insulation and solar shading. The structure prevents heat build-up and enables targeted light control through simulated cloud structures. The acoustic glazing reduces external noise by up to 10 dB – aircraft are visible, but barely audible.

Sustainable energy supply

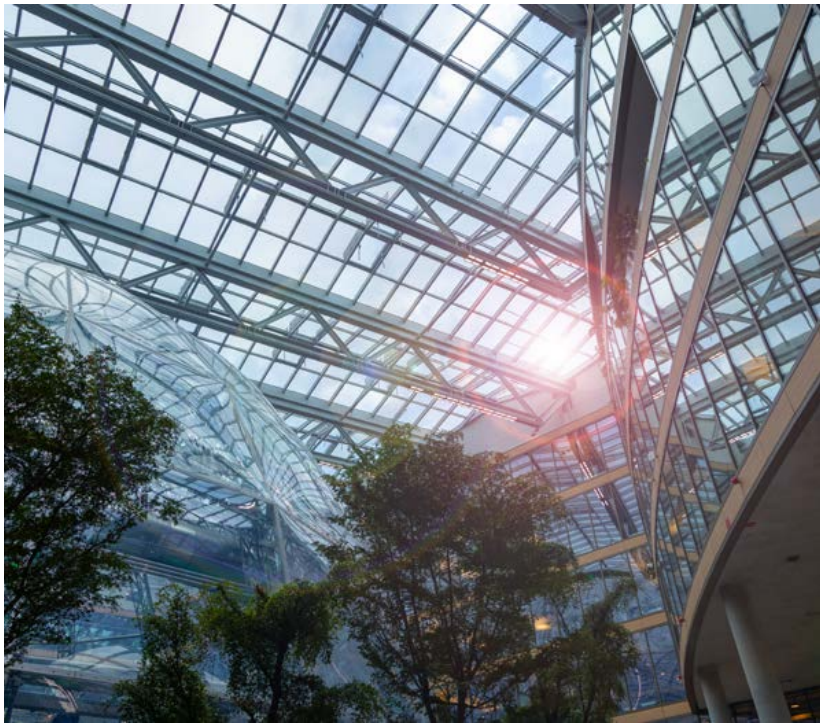
The campus operates on a CO_2-neutral basis. Photovoltaic systems on the roof and façade generate electricity, while the nearby Lake Unterbacher See serves as a thermal storage system. Heat pumps provide heating and cooling, and surplus heat is dissipated. On cold days, district heating from Stadtwerke Düsseldorf is used. Modern ventilation systems ensure a reliable supply of fresh air.

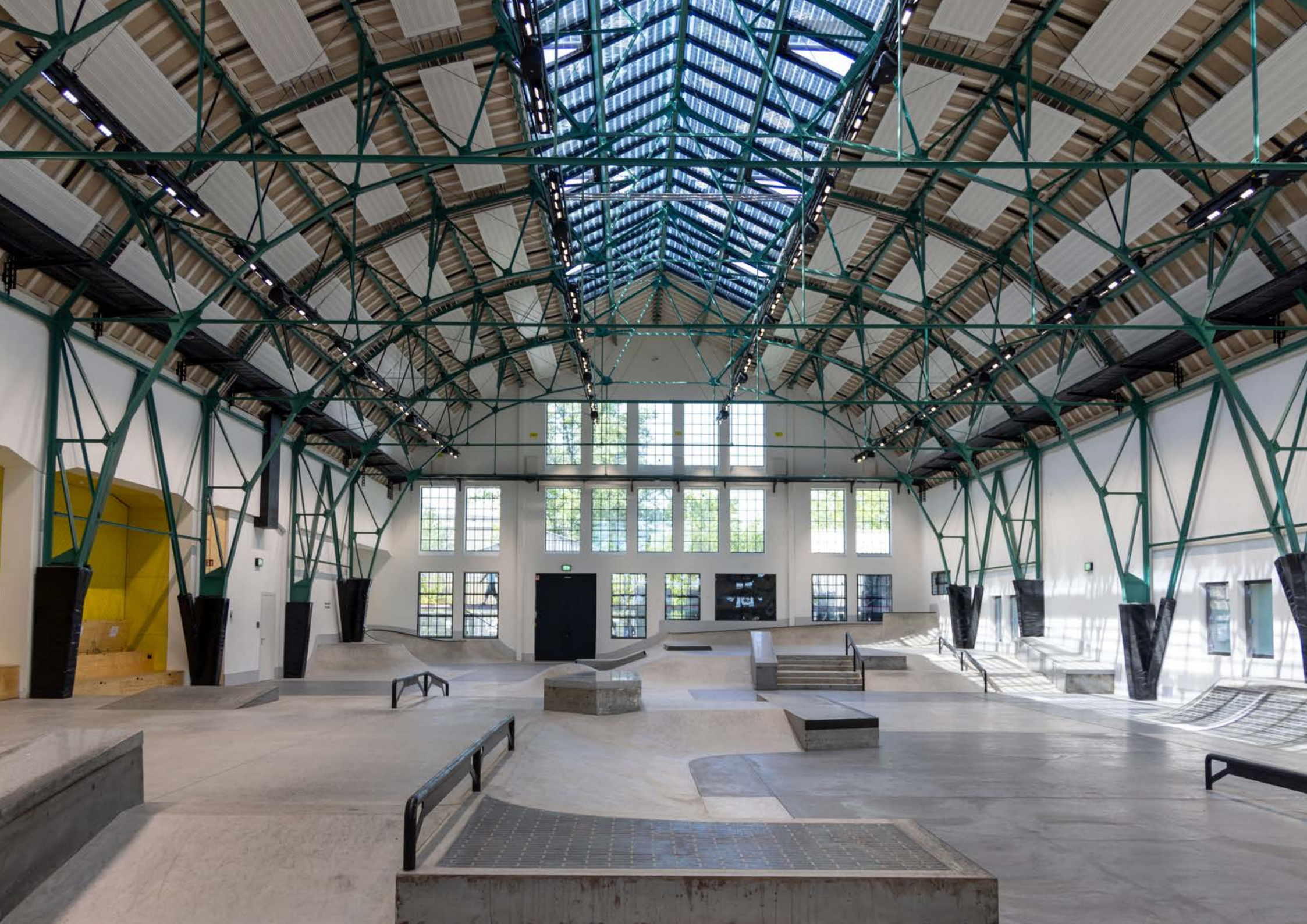
EUREF Campus in Düsseldorf

A place for interaction and innovation

The indoor garden serves as a focal point for teamwork and events. An event hall, well known from the Berlin campus, accommodates up to 600 guests. Restaurants and bistros offering regional cuisine complement the facilities. The EUREF Campus Düsseldorf demonstrates that the energy transition can be tangible and affordable – through intelligent architecture and sustainable technology.

EUREF Campus in Düsseldorf





Centre for Applied Skateboard Arts Munich, Germany

The historic Eggenhalle in Munich-Pasing, formerly part of a traditional machine factory, has been transformed into a modern action sports centre as part of a sensitive revitalisation. The striking industrial structure combines the charm of the past with the requirements of contemporary use, creating an exceptional atmosphere for sport, movement and social interaction.

A central element of this transformation is the large-scale LAMILUX Glass Roof PR60. It floods the hall with natural daylight and gives the interior spaces an open, transparent character. At the same time, the roof was equipped with photovoltaic modules, enabling sustainable energy generation and underlining the project's ecological ambition. As a result, the glass roof becomes both the technical and architectural centrepiece of the renovation.

The result is a symbiosis of heritage conservation , modern architecture and sustainable technology, a unique place has been created: an action sports centre that preserves history, brings new life to the present and successfully combines future-oriented energy efficiency with high spatial quality.

Scan the QR code and experience the reference project up close in the video!

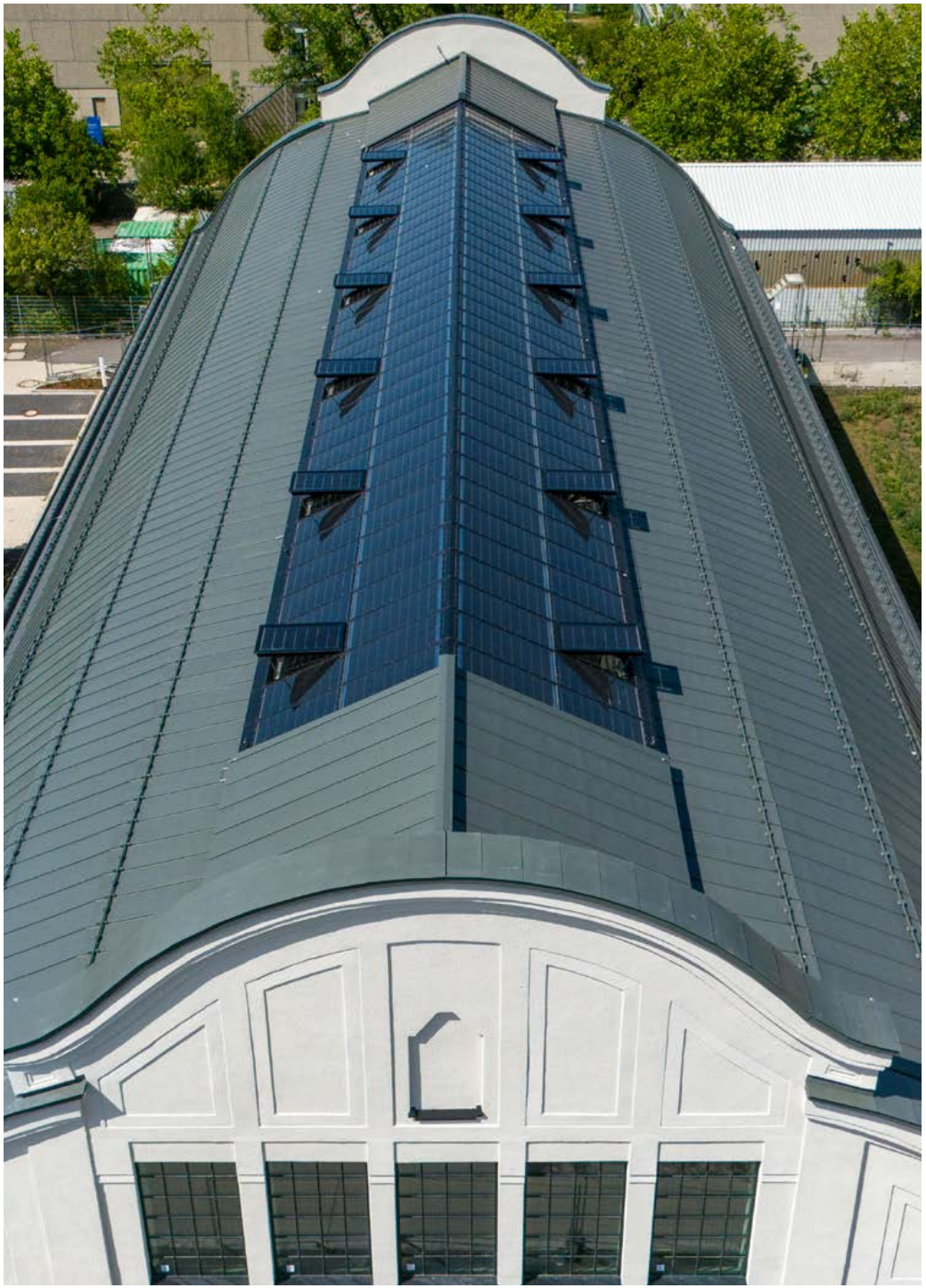
„It was important for us to demonstrate that heritage conservation and sustainable energy generation can be intelligently combined.!“

Maria Himsperger, Partner at Behnisch Architekten, Munich, and project lead for the Eggenhalle

229 square metres of total area with natural daylighting

136 glass elements with photovoltaic modules as a climate-friendly combined solution

25.13 kWp total output for on-site energy generation



Regional Court
Weiden, Germany

With its long history as a central place of jurisdiction, Weiden Regional Court has shaped the legal landscape of the Upper Palatinate since the 19th century. As part of a comprehensive heritage-sensitive modernisation, the listed building was carefully brought into the present day both architecturally and functionally – using daylight solutions by LAMILUX that successfully combine historical substance with contemporary requirements.

The main focus is the jury courtroom on the first upper floor. Here, 42 LAMILUX Glass Skylight FE 3° units now provide even and pleasant daylight illumination, perfectly aligned with the symmetrical ceiling structure of the room. The geometrically clear skylights bring transparency and visual calm to the architecture, creating a working environment that supports concentration and balance.

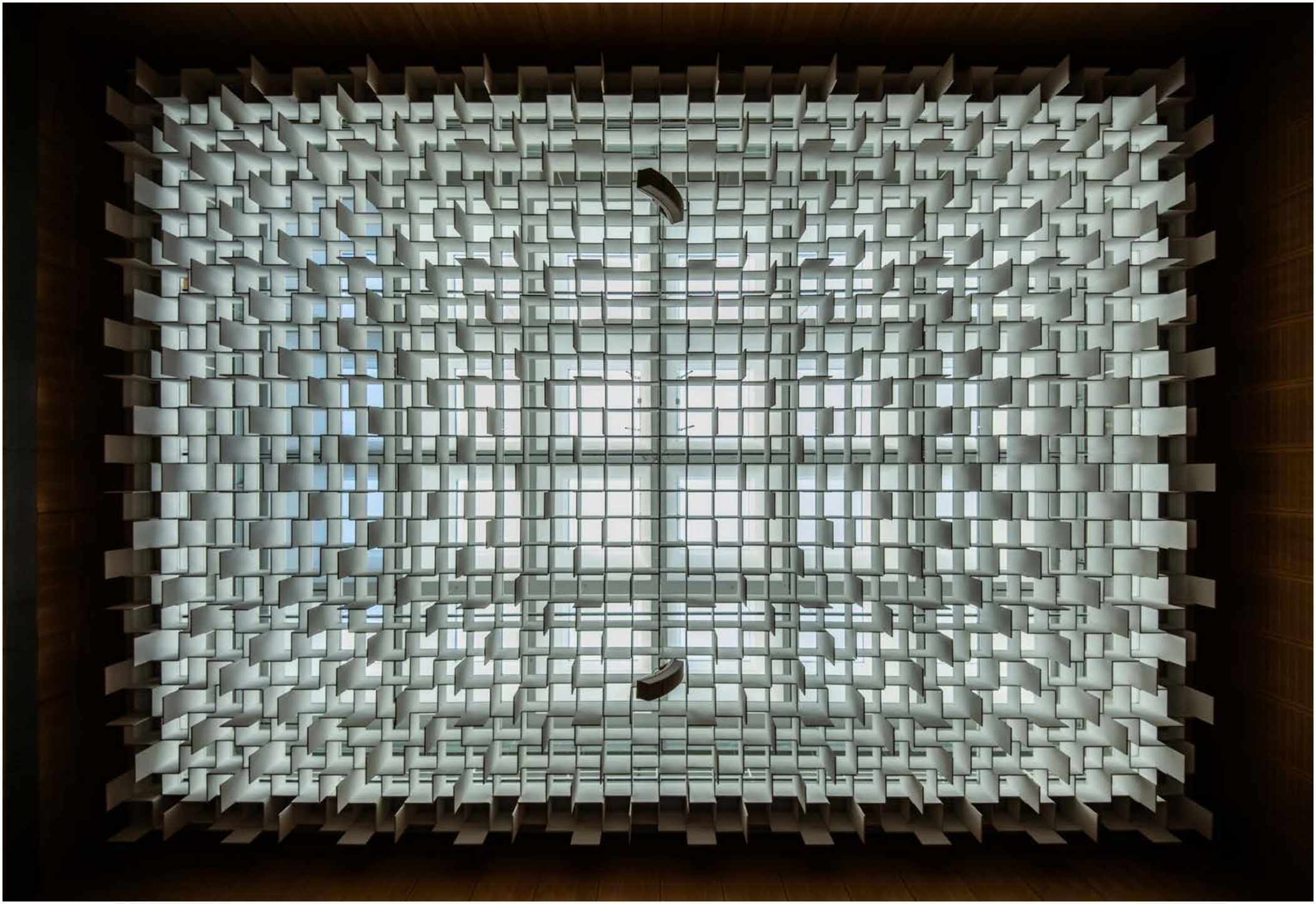
The new daylight concept also noticeably enhances the quality of stay in the adjoining areas. The rooflights impress not only visually, but also functionally: sound-insulating glazing creates a calm working atmosphere, while the excellent thermal insulation reduces energy consumption. The aluminium frames were modernised and installed on 30-centimetre-high, thermally insulated upstands, ensuring durability, weather resistance and efficient integration into the existing structure.

Scan the QR code to find out more about daylight in renovation projects!

42 LAMILUX Glass Skylight FE 3° units for sophisticated daylight compositions

30 cm high thermally insulated upstands for efficient integration

3-degree inclination for effective water drainage



Cano Shopping Centre
Singen, Germany

With the CANO project, a shopping centre was created in the heart of Singen that combines urban architecture with a carefully considered daylight and safety concept. LAMILUX designed a comprehensive system solution in which functionality, design and fire protection are seamlessly integrated.

Large-scale glass roofs bring natural daylight into the central areas of the centre, creating a bright, welcoming atmosphere for the daily flow of visitors. At the same time, they form part of a high-performance smoke and heat exhaust system that allows smoke to escape upwards in the event of a fire. Especially in highly frequented buildings such as shopping centres, rapid smoke extraction is essential to keep escape routes visible and protect lives.

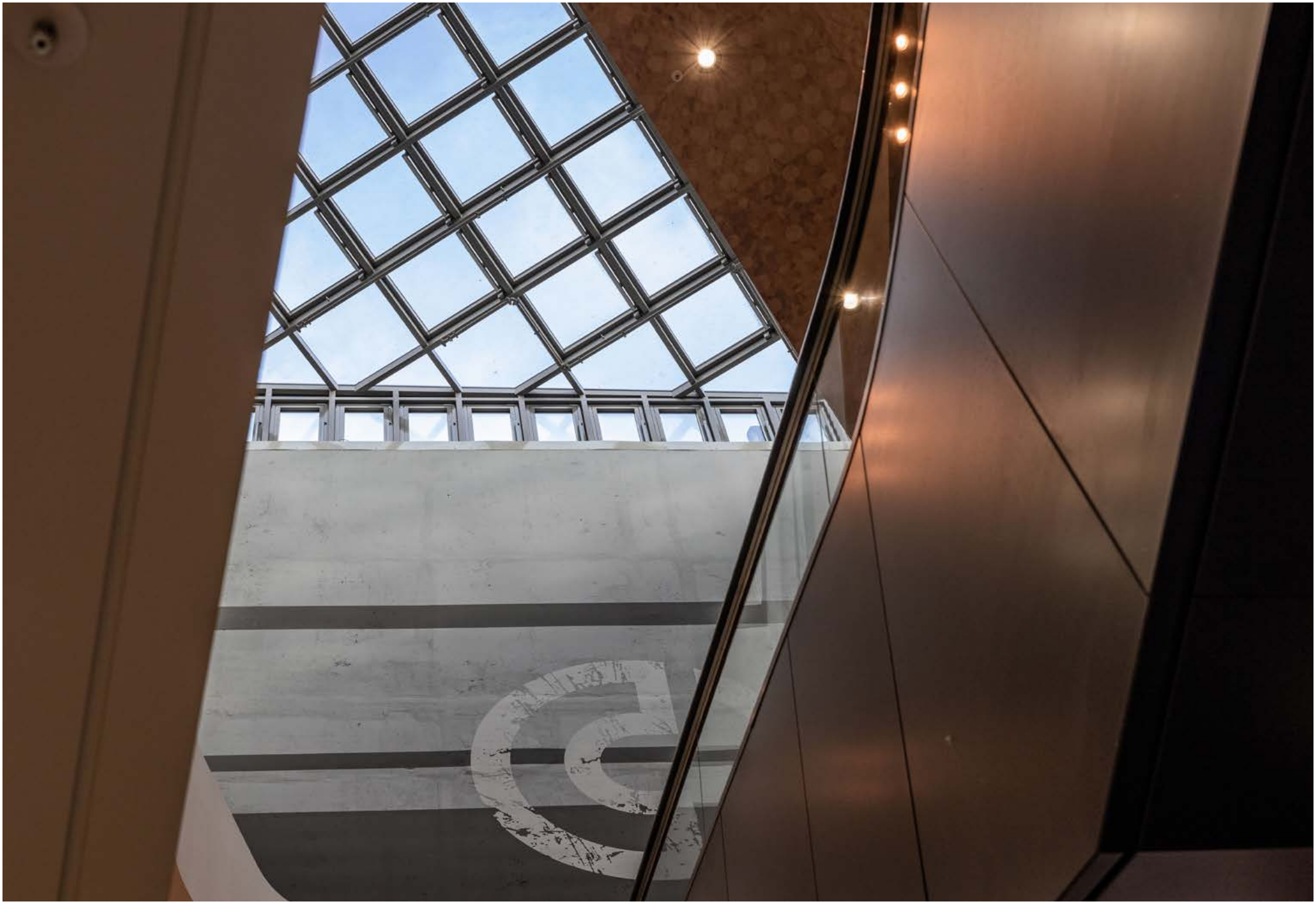
The LAMILUX Glass Roof PR60 demonstrates that distinctive glass architecture not only delivers aesthetic added value, but can also be life-saving in an emergency. The system is complemented by motor-driven opening elements, automatic smoke curtains with a span of ten metres and control units. In addition, the solution ensures energy efficiency, sound insulation and resistance to extreme weather conditions – all in a single, integrated concept.

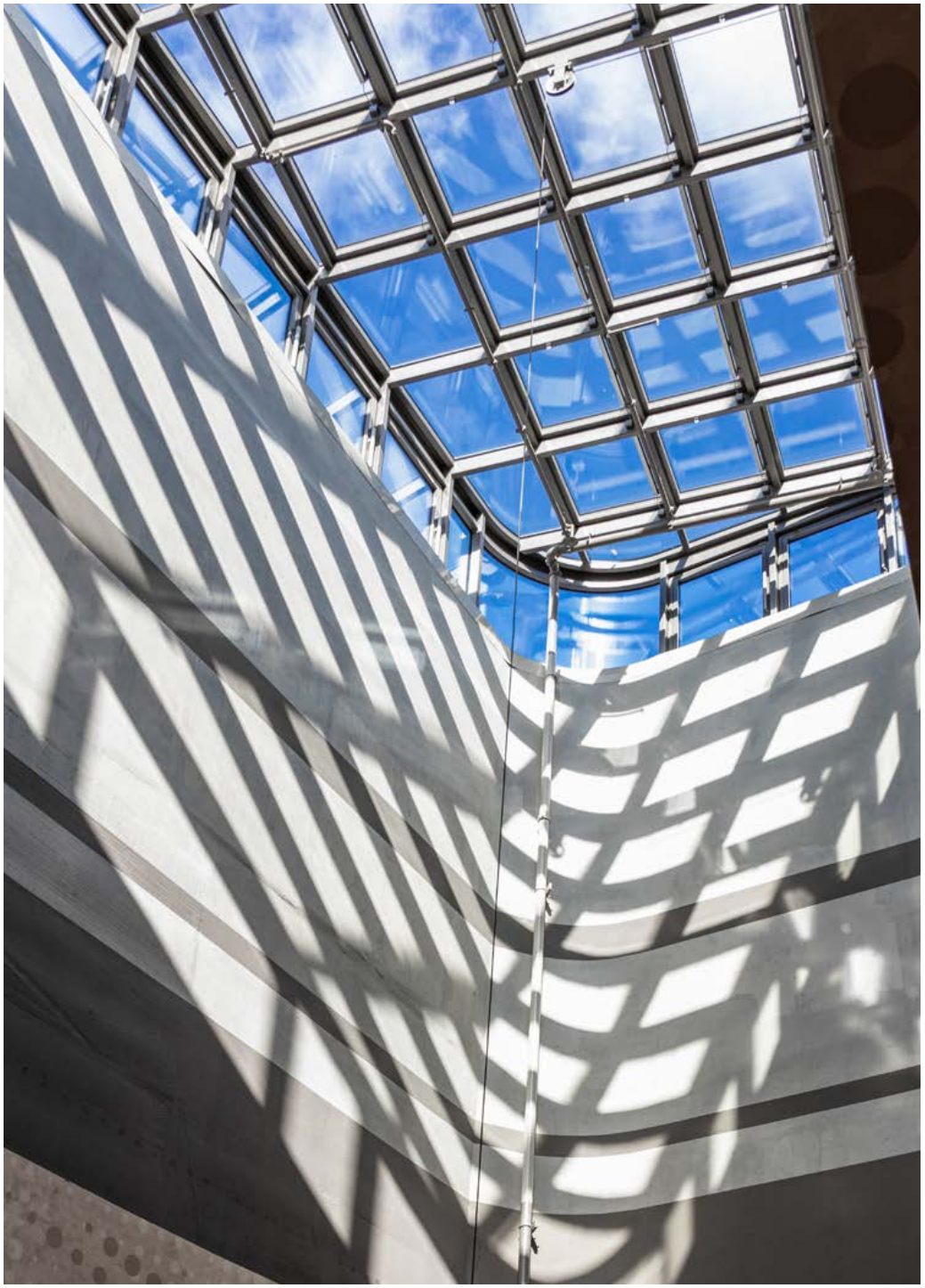
Scan the QR code to learn more about the importance of SHEV systems in shopping centres!

3 LAMILUX Glass Roof PR60 systems for daylight and safety

45,000 m² retail space with intelligent fire protection solutions

86 retail units for thousands of visitors






crystal peaks
customer services
red car park
blue car park
trams & bus
ATM
Next
M&S
market place
DEICHMANN
DEICHMANN

Crystal Peaks Shopping Centre
Sheffield, England

At Crystal Peaks Shopping Centre in Sheffield, LAMILUX carried out a sophisticated modernisation of the daylight concept. Three large-scale glass roofs of the LAMILUX Glass Roof PR60 type were designed, prefabricated and installed. In total, 1,389 glass panes were used, forming an impressive total glass area of around 1,533 square metres.

A particular challenge was implementing the project while the shopping centre remained fully operational. A detailed survey of the existing structure and the creation of a precise 3D model formed the basis for close coordination between planning and execution. To ensure the safety of visitors and staff, temporary ceilings with integrated protective lighting as well as temporary weather protection roofs were installed.

The LAMILUX Glass Roof PR60 impresses not only with its high level of design flexibility, but also with excellent thermal insulation and a sleek appearance. The result is a light-filled architecture that harmoniously combines functionality and atmosphere. Natural daylight enhances the quality of stay, creates a pleasant indoor climate and contributes to longer dwell times and an overall improved shopping experience.

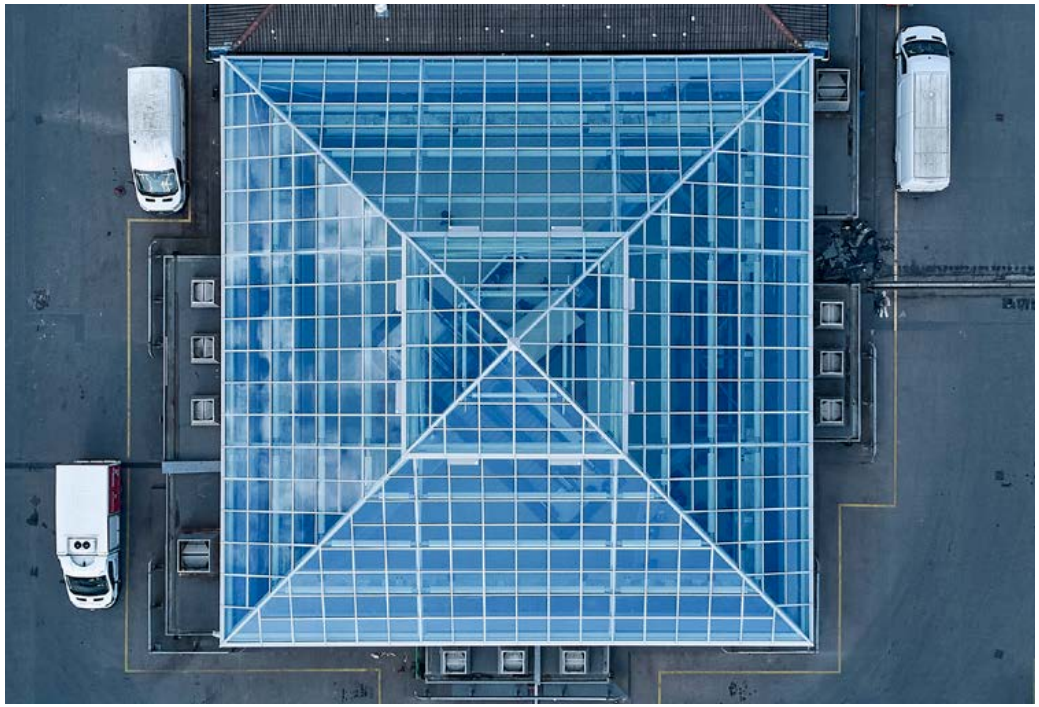
1,533 square metres of glass area for maximum daylight penetration

1,389 glass panes for the customised geometry of the glass roofs

59,000 square metres of retail space presented in a new light

Scan the QR code to learn more about the importance of refurbishment!


TIMPSON
exit to red car park
JEWELLERY OUTLET
SALE



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