

LIVING

GLASS LIVING IDEAS FOR YOUR HOME

MUCH MORE THAN A WINDOW

The Solarlux bi-folding door

The bi-folding door has been at the heart of the Solarlux product range for more than 35 years. Unlike traditional sliding doors, which can leave a large section of the opening covered by glass even when fully opened, the individual elements of the bi-folding door fold up into a slender bundle of panels at one side. This produces generous glass fronts that can be opened across almost 100%.

Thanks to its perfect functionality, the creative freedom offered by its high-quality materials, and the limitless possibilities for combining it with other elements, the bi-folding door is the ideal solution for a wide range of living concepts. Whether you want a wide entrance to the garden from your living room or a flexible solution for your glass extension - the possibilities are limitless.







SL 81 / BÜHL, GERMANY

Bi-folding doors can be used to create an almost seamless transition between your patio and the inside of your home.

SEALING

When closed, the bi-folding door keeps out the cold, wind and rain. Thanks to its top-quality thermal insulation, it also keeps the inside of your home pleasantly warm on cold days. Constant testing for impermeability to wind and driving rain, with the continuous development of the product make Solarlux bi-folding doors a modern alternative to the traditional patio door.

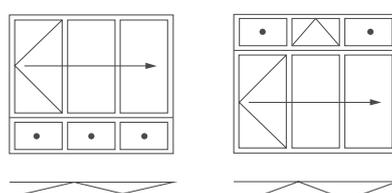
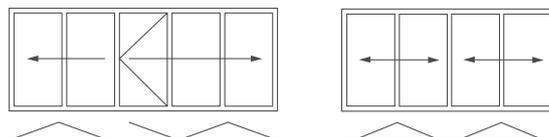
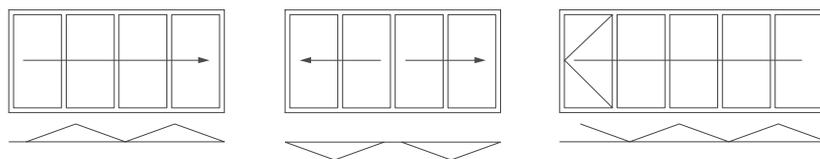
THERMAL INSULATION

An intelligent combination of profiles with maximum thermal insulation and bespoke glazing to suit your living situation is the only way to ensure a pleasant indoor climate all year round. Solarlux is constantly working to develop its glass system solutions further so that they are always in line with the latest energy-saving requirements and regulations.

OPENING SYSTEM VARIANTS

Inwards or outwards, folding to the left and/or to the right, Solarlux bi-folding doors offer numerous opening system variants. The individual glass elements can be opened or closed in just a few simple steps, across their whole area.

Thanks to perfected technology, even very large glass elements are effortless to operate and almost completely silent.



OPENING INWARDS OR OUTWARDS, TO THE LEFT OR TO THE RIGHT: SOLARLUX OFFERS COUNTLESS OPENING SYSTEM VARIANTS

WIDE OPENINGS FOR EVERY HOME

Overview of the systems



ECOLINE AND HIGHLINE - THE ALUMINIUM OPTIONS

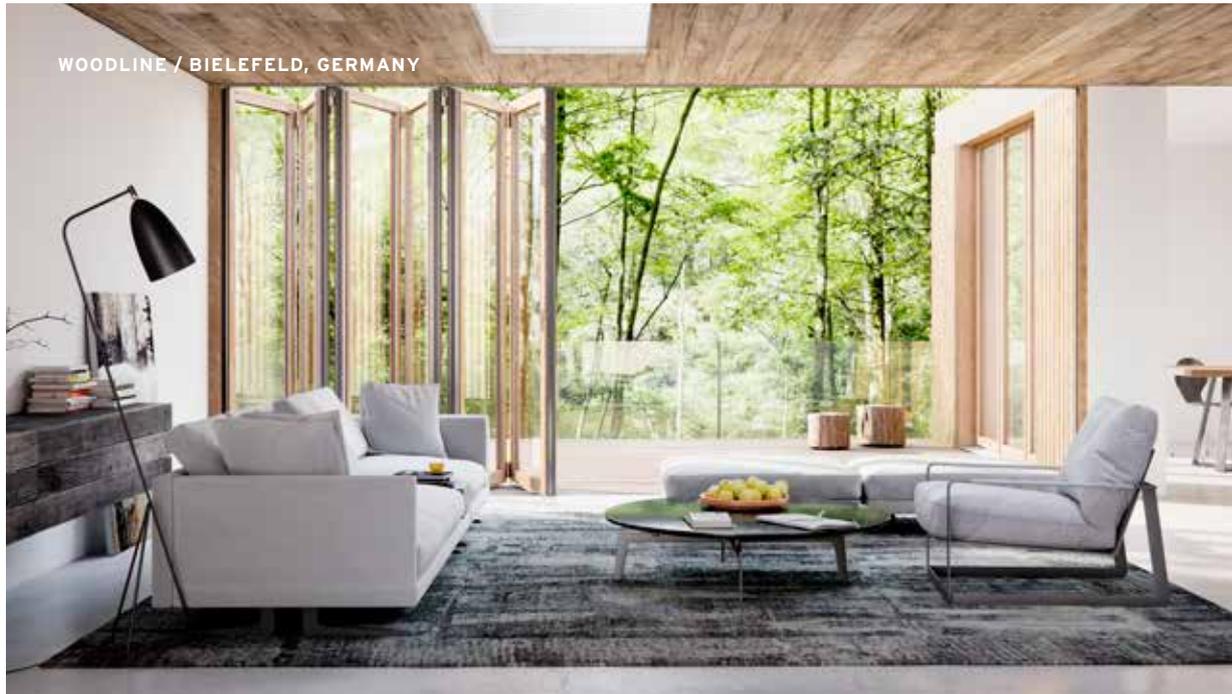
Slender sight lines, award-winning design

Despite their differences in overall depth (67 mm and 84 mm), our two thermally insulated bi-folding door systems, Ecoline and Highline, boast a slim sight line of 99 mm at the panel joint. This is thanks to the patented heart of the bi-folding door: the bionicTURTLE®, a multi-functional thermal break profile that combines a range of technical details.

Its shape helps to keep profiles extremely slim - even when using large and heavy panels. It also houses the locking mechanism and fittings, and guarantees perfect insulation for your home.

The Ecoline and Highline are more than merely functional - they also boast an impressive design, as has been confirmed by renowned international experts. This is reflected in the fact that the new Bi-Fold Door has already won four awards.





WOODLINE - THE NATURAL WOOD OPTION

Cosy living

A cosy yet modern living space: The Woodline bi-folding door is the perfect choice for those who want the best of both worlds. Its profiles are made from multi-laminated, high-quality wood, while a special panel corner joint gives the system additional stability. The slender sight line at the panel joint - just 143 mm - ensures maximum transparency when the door is closed, in keeping with your natural approach to living.



COMBILINE - THE WOOD/ALUMINIUM OPTION

A natural vibe with perfect weatherproofing

With its wood/aluminium profiles, the Combiline bi-folding door provides maximum weather-proofing. This system maintains the panel profile overall depth of 86 mm, despite the square aluminium cover shell placed over the wood profile. Here too, slender sight lines provide maximum transparency. The seal encompasses two continuous gaskets, so optimum drainage is guaranteed.

WIDE RANGE OF SYSTEMS FOR INDIVIDUAL PLANNING

Whether you're looking for burglar resistance, good sealing, accessible living or the best possible thermal insulation for your passive house, we offer a wide range of bi-folding door systems to suit any requirement, allowing you to bring your home improvement project to life. We also use a huge selection of different materials, design variants, sizes and fitting options to give you maximum creative freedom in your planning and ensure that you find the perfect solution for your needs.

You can find out more about bi-folding doors at solarlux.com

FROM GLASS CANOPY TO GLASS HOUSE

At home in your garden – Whatever the weather

Glass canopies - and glass houses in particular - are a durable, weatherproof way of getting more out of your patio, even if it's windy or raining. A glass canopy alone offers great shelter on rainy days. Yet if you add vertical, sliding glass elements (see p. 50 for more details), it becomes a glass house that will protect you against all types of wind and weather. Almost any Solarlux glass canopy can easily be converted into a cosy glass house by adding vertical glass elements to it - even after the original installation.







SDL ACUBIS / SCHWEINFURT, GERMANY

Every glass canopy and glass house we make at our factory in Melle is unique, making your Solarlux patio coverage something truly special.

PROTECTION FROM WIND AND WEATHER WITH A GLASS HOUSE

With a glass canopy or glass house, you can enjoy your patio at any time of year. The canopy offers reliable shelter from the rain, while the versatile glass elements at the sides provide additional protection from unpleasant draughts without obscuring the view of your garden. With Solarlux glass canopies and glass houses, you can enjoy your patio all year round, whatever the weather.

TECHNOLOGY MEETS DESIGN

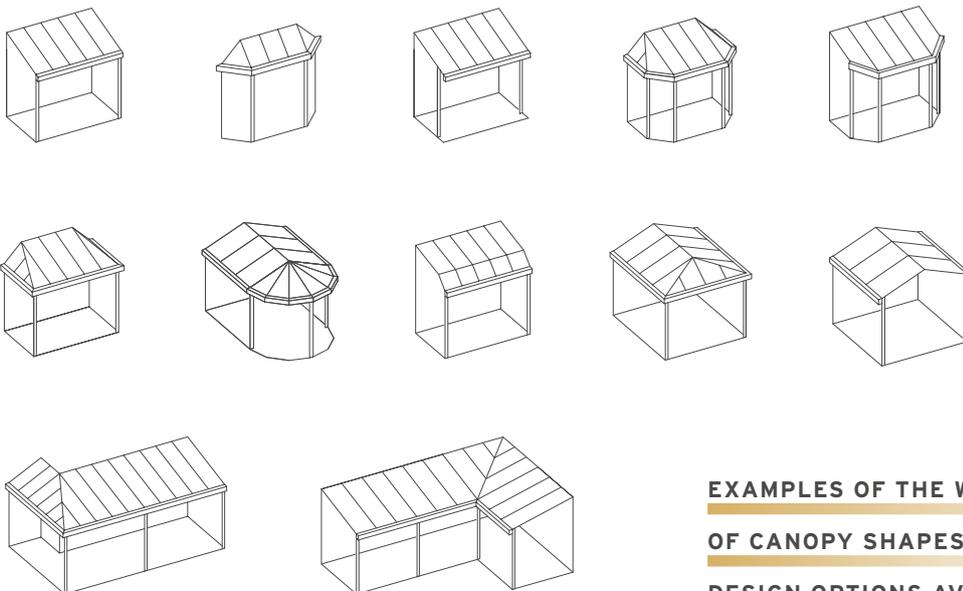
Solarlux glass canopies and glass houses are not just impressive in terms of their design, they also boast sophisticated technology under the hood. Every single glass canopy and glass house is tailor-made and tweaked to perfection, right down to the smallest detail. In addition, all components are designed to work in perfect harmony with one another and can be combined in any way possible.

BOOST THE VALUE OF YOUR PROPERTY

Glass canopies and glass houses are a sure-fire way of increasing your property's value. Thanks to the wide range of canopy shapes, colours and materials we offer, your Solarlux patio canopy option is sure to blend in perfectly with your existing garden and facade concept. Its functionality and above all, its high-quality design represents guaranteed added value, for new buildings and renovations alike.

FLEXIBLE DOWN TO THE LAST DETAIL - AVAILABLE CANOPY SHAPES

Solarlux offers amazing solutions for every home - from simple glass canopies to glass houses that offer shelter on all sides. We can make almost any type of canopy you can think of, and always work to match it with the existing architectural conditions of your home.



**EXAMPLES OF THE WIDE RANGE
OF CANOPY SHAPES AND
DESIGN OPTIONS AVAILABLE**

MORE SPACE FOR YOUR IDEAS

Expand your space with a glass extension

Adding a glass extension to your home is the perfect way to give you more personal living space - and there's no limit to what you can include in your plan. Whether integrated into the existing architecture or designed as a more traditional build, a glass extension will give you more space to live in. Solarlux glass extensions provide new glazed living spaces that are open, full of light and fitted with optimum insulation. But a glass extension doesn't just give you more space - it also improves the comfort of your home, allowing you to enjoy it more and experience a better quality of life.

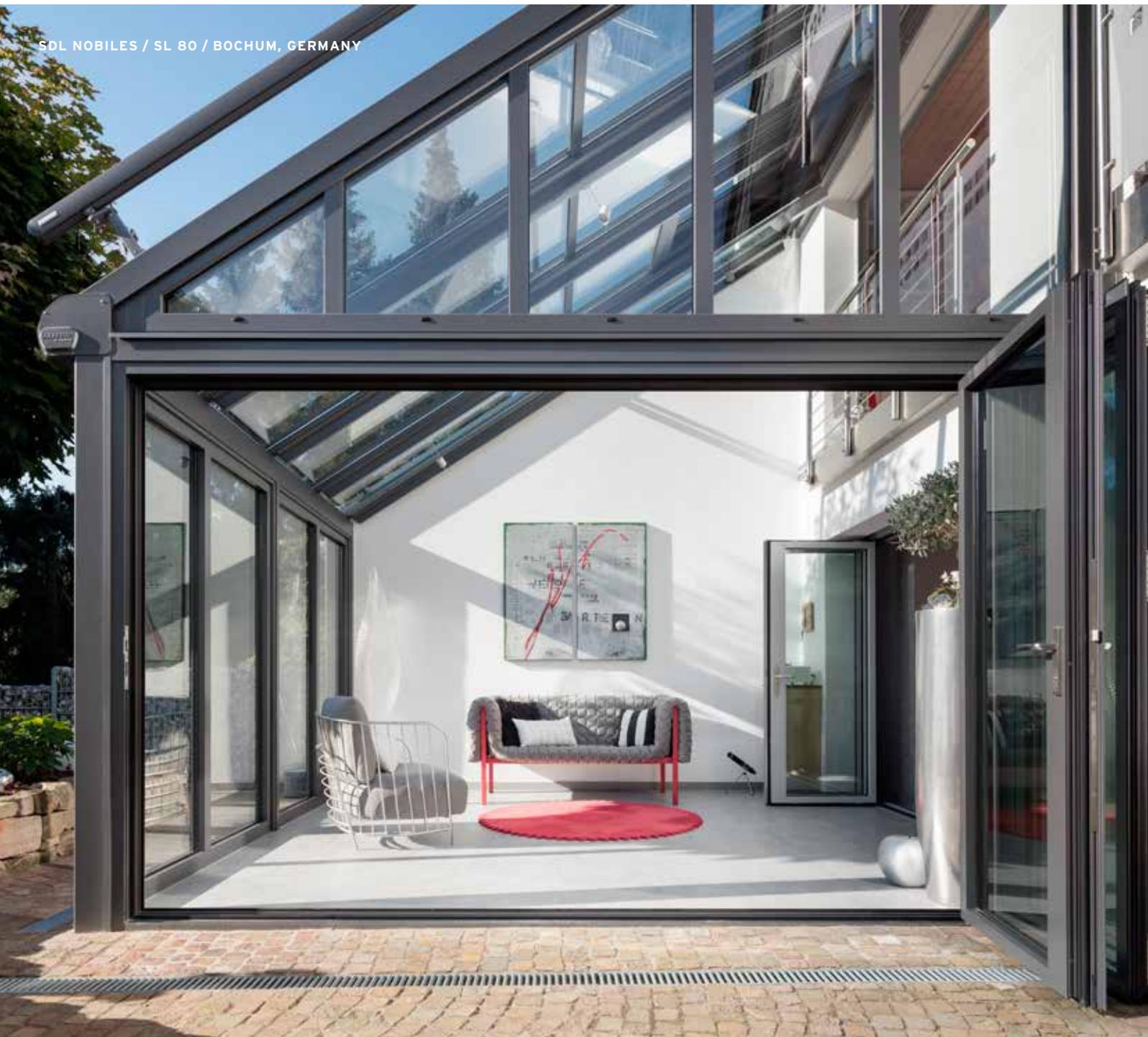


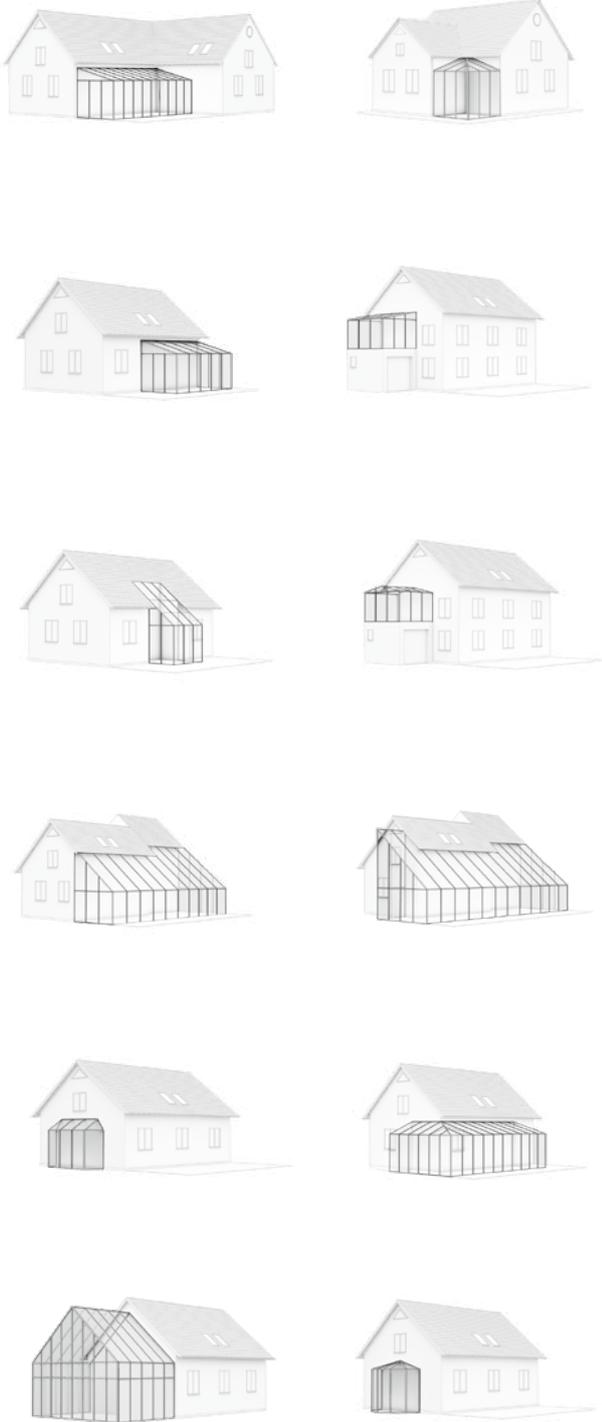


BOOST THE VALUE OF YOUR PROPERTY

A glass extension is a sure-fire way of increasing your property's value. Thanks to the wide range of roof shapes, colours and materials we offer, a Solarlux glass extension can be made to work in perfect harmony with the architecture and garden concept of your home. Its functionality and, above all, its high-quality design represents guaranteed added value, for new buildings and renovations alike.

SDL NOBILES / SL 80 / BOCHUM, GERMANY





FLEXIBLE DOWN TO THE DETAIL - AVAILABLE CANOPY SHAPES

Sophisticated solutions for any house or style: Solarlux can come up with an amazing glass extension solution for any building - from a traditional, built-on glass extension to integrated glass architecture, over one floor or the full height of the house, covering the entire facade. The examples shown here represent just a small selection of the wide variety of roof shapes and design options available. Of course, we can make almost any type of canopy you can think of, and always work to match it with the existing architectural conditions of your home.

EXAMPLES OF THE WIDE RANGE OF CANOPY SHAPES AND DESIGN OPTIONS AVAILABLE

VENTILATION

In order to maintain the perfect climate at all times, Solarlux glass extensions can be fitted with a variety of ventilation options that can be combined in many different ways. Bi-folding doors are especially useful. These versatile window elements do more than simply letting in fresh air - they also provide a wide entrance to the outside, creating a seamless transition between your extension and the surrounding nature. The adjustable ventilation slats at the bottom of the windows or bi-folding doors also provide an additional way of letting in fresh air, whatever the weather. Unlike open windows, these still provide protection against burglary and the effects of the weather outside. Both traditional rooflights and sliding or tilting windows can be integrated into the roof area for ventilation. Weatherproof roll ventilators enhance the effects of the ventilation system. All your electrically motorised opening elements can be controlled automatically in response to the temperature, humidity, wind, sunlight and rain conditions.

HEATING

Unpleasant weather will only emphasise the shelter and comfort of your glass extension, guaranteeing you many a cosy afternoon in your home. And best of all, you'll be amazed at how little you need to heat the space to keep it at a pleasant temperature, even in winter. Fireplaces and tiled stoves are especially effective, as is underfloor heating. But even normal radiators and underfloor convectors can be integrated into a glass extension without any problem.



LIGHTING

Flooded with light by day, mood-lit at night: As soon as the sun goes down, well-placed light sources can keep things bright and cosy in your extension. Spotlight rails with built-in, low-voltage lamps can be mounted under the individual rafters for a subtle yet effective solution. Both fixed and swivelling LED spotlights are available.

AUTOMATION

The cleverly harmonised technical fittings of your glass extension provide a foundation that will enable you to enjoy using it all year round. You can operate all the components by hand if you want to of course, but the automatic control options offer maximum convenience. The reliable, highly responsive automation module can be used to independently control the lighting, shade and ventilation in your glass extension.

CHECKLIST

The right orientation

· North-facing

North-facing glass extensions will be filled with even, glare-free light all day long - perfect for offices and studios. The indirect sunlight also provides a great climate for many plants.

· East-facing

East-facing glass extensions are especially enjoyable at breakfast time, when they are flooded with pleasant light. The shade from the house itself will offer great protection from the afternoon sun, and even plants that need to be kept away from direct sunlight will love these spaces.

· South-facing

Enjoy the outdoors later into the year with a south-facing glass extension. This is the option that provides the longest hours of sunlight, storing up pleasant warmth from autumn through to spring - though you'll need to make sure you have effective ventilation and shading options for the summer.

· West-facing

A west-facing glass extension will give you warmth from the afternoon and evening sun - the perfect reward after a long day. A beautiful sunset will provide the perfect backdrop for those cosy evenings.



TRANSPARENT SHELTER AND A CLIMATE BUFFER ZONE

*Sliding systems, slide-and-turn systems
and bi-folding doors*

Sliding systems represent a truly viable alternative to thermally insulated bi-folding doors. The non-insulated variant of this system is often used as a transparent side element for glass canopies. But all-glass elements can be used under your porch or roof overhang to provide shelter from the wind.





CERO - THE SLIDING WINDOW

*Maximum room height glazing, discreet profiles,
new perspectives*

The cero sliding window opens up rooms to give them an impressive new dimension. cero offers every possibility required for architecturally-demanding buildings, from a constructive and creative point of view. Its slender frames and profiles help to make the elements as transparent as possible. The sight lines are kept to just 34 mm, resulting in a minimalist design that is underlined by the 98 % glass composition.

cero



CERO III / LAKE CONSTANCE, GERMANY



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THE COMPLETE FULL VERSION
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