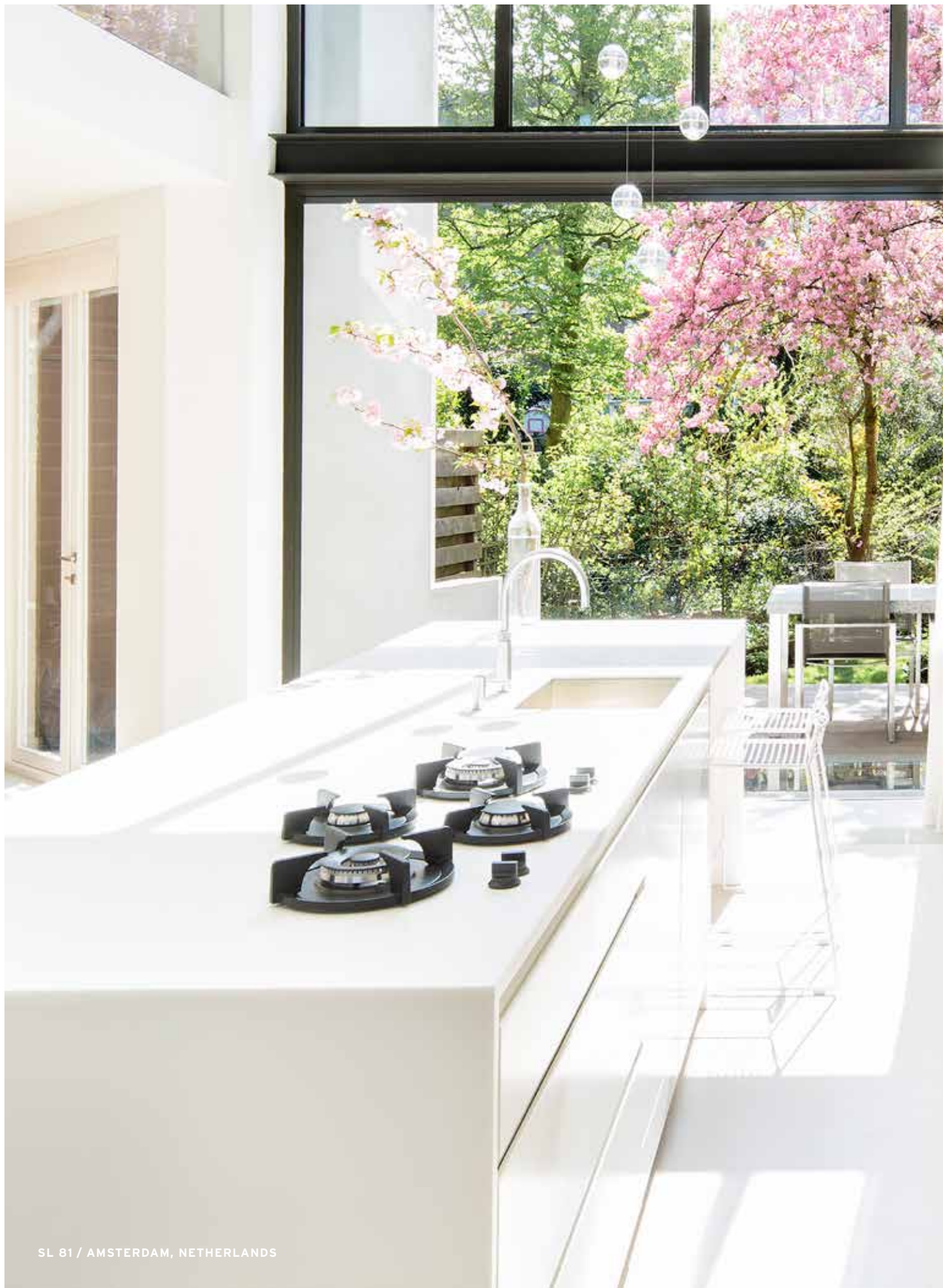




LIVING

GLASS LIVING IDEAS FOR YOUR HOME





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SDL NOBILES / SL 80 / ALKMAAR, NETHERLANDS

FEEL AT HOME IN YOUR HOME

Create new living situations

Is your family getting bigger? Do you need more space for your hobby? Maybe you want to open your living room up onto your patio or create a bright new room? There are many different reasons why you might want to modify your current living situation. With bi-folding doors, glass extensions, glass houses and glass canopies, you can be as flexible as you need. For example, a glass house would allow you to enjoy your home's patio whatever the weather. A thermally insulated glass extension would be an energy-efficient way to expand your current living space. The option that offers the greatest design flexibility is the bi-folding door. It can provide a wide entrance to your garden, act as a partition or even be used as a form of balcony glazing.



The whole Solarlux product range has more going for it than just its functionality and range of potential applications. It also leaves no stone unturned when it comes to design, colour and material options for your glass canopies, glass extensions and bi-folding doors. Solarlux's range of colours allows you to choose your favourite from over 30 different shades, at no extra cost, while the choice of system variants on offer grants you limitless freedom in your design. Even the choice of material is down to you - almost all of our products can be made using durable aluminium, certified woods or a combination of the two. Whatever best suits your home. Discover the possibilities offered by bespoke Solarlux products - inspiration awaits!



FOR A
SEAMLESS
TRANSITION
TO THE
outdoors

BI-FOLDING DOORS

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.

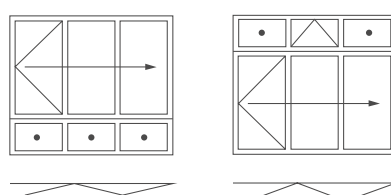
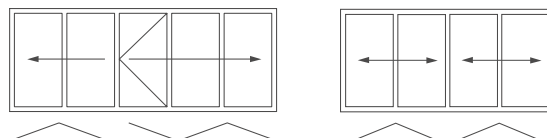
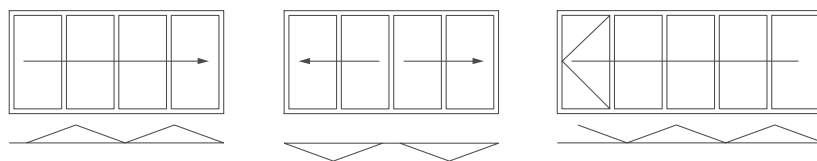
THERMAL INSULATION

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





BURGLAR RESISTANCE

Don't give thieves a chance! Solarlux is the only manufacturer with anti-burglary protection class RC2 certification for its numerous bi-folding door opening variants. It doesn't matter whether the version you choose opens inwards or outwards - increased security in accordance with European standards is guaranteed.

FLEXIBILITY

Available in a wide range of opening options, bi-folding doors can suit the needs of any home owner: opening inwards or outwards, or folding to the left and/or to the right. You can also integrate access doors as well as tilt & turn window elements into your design. There are numerous selections of bespoke solutions.

WIDE OPENINGS

Bi-folding doors make your living space transparent and open. They turn cramped, dark rooms into bright, modern spaces with an incomparable sense of space, flooding living areas with air and light. Bi-folding doors extend rooms and help you get more out of your home.

ACCESSIBLE ENTRANCES

The bi-folding glass door can be opened with ease, any way you like, to create a uniquely seamless transition between inside and the outdoors. A variety of floor track options are also available to make your entrances level and accessible - with no edges or height differences to trip over.

WIDE OPENINGS FOR EVERY HOME

Overview of the systems



ECOLINE AND HIGHLINE - THE ALUMINIUM OPTIONS

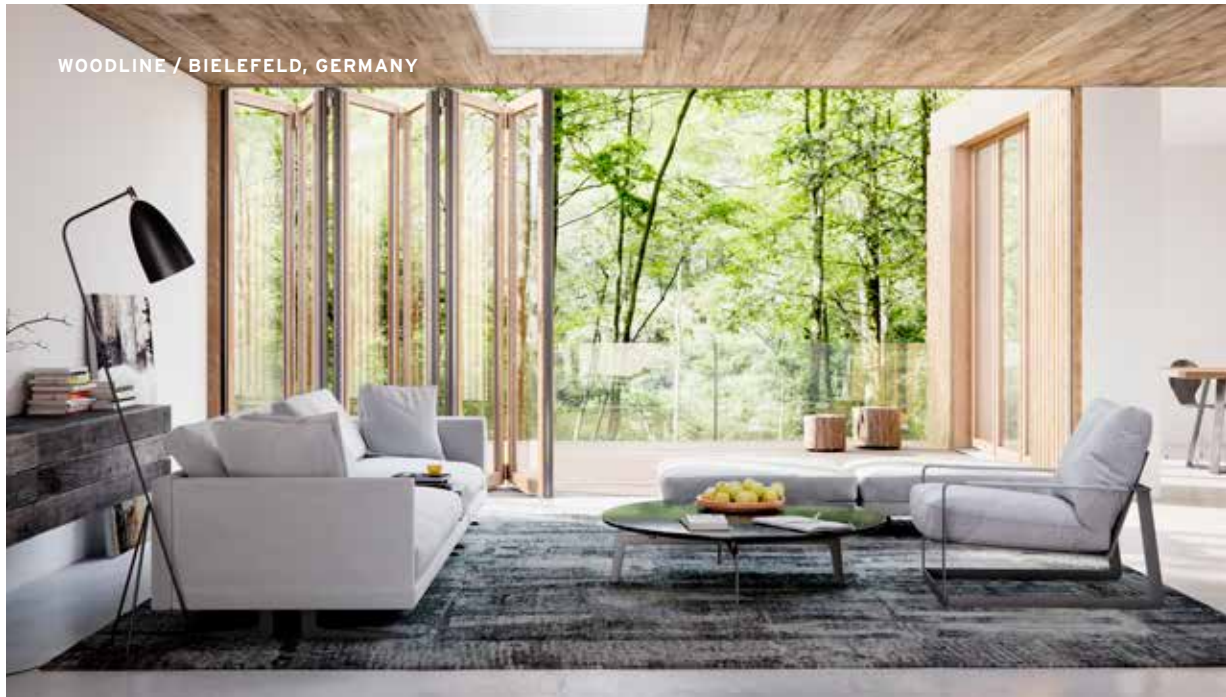
Slender sight lines, award-winning design

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



ECOLINE / BERLIN, GERMANY

PURE COMFORT FOR YOUR HOME

Accessories for the bi-folding door

A multitude of fitting packages are available for the entire Bi-Fold Door family, tailored to suit special requirements such as increased security, thermal or acoustic insulation, lighting or comfort. This provides you with interesting additional fitting options for any project to give your system that individual touch.

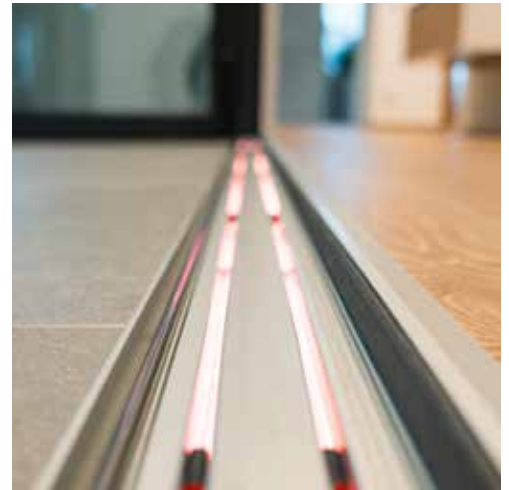
SHADING

Solarlux pleated blinds are both great at keeping out direct sunlight and also help to protect your privacy. They can be moved up and down to any position or length, making them the perfect way to keep out prying eyes. They are available as a single or two-part element, and can be moved to the required position simply by pushing and pulling them up and down. They also offer one other great advantage: they can be fitted without the hassle of drilling or gluing, by simply clipping them into the profiles. This means that they can easily be fitted to any existing bi-folding door.



FLOOR TRACKS WITH LIGHTING

In many types of floor track, the 3s impact protection can be fitted with LED lights and concealed cabling. The lighting creates a great ambience, especially in the evening. It also acts as an orientation aid to ensure that the access and entry area is easy to find for the visually impaired.



CHECKLIST

The most important features in a nutshell

A bi-folding door offers a huge range of benefits and design variants for almost any application. We've compiled a short list of the most important features for you below.

- Extra-slim sight lines at the panel joint
- Patented technical details
- Available with burglar resistance in accordance with European standards
- With optional thermal insulation to passive house standards
- Wide range of floor track options, accessible and suitable for living spaces



WATCH OUR VIDEO TO FIND OUT
MORE ABOUT THE BI-FOLDING
DOOR FAMILY AND THE BENE-
FITS IT OFFERS. ROLL THE FILM!





SDL ATRIUM PLUS/SL 20E/BAD SEGEBERG, GERMANY

LIFE IN THE
FRESH *air*

GLASS CANOPIES AND GLASS HOUSES

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

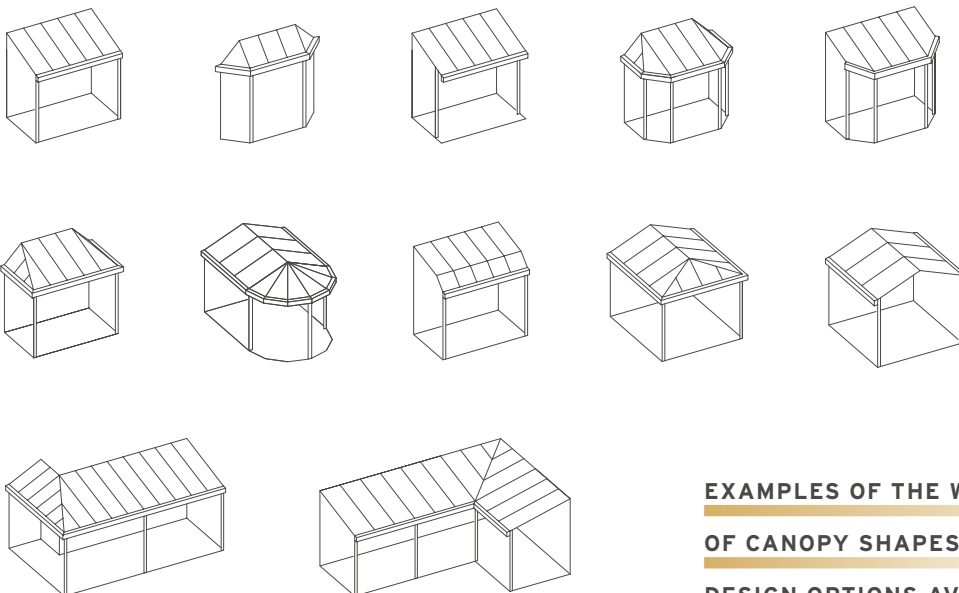
Solarlux glass canopies and glass houses are not just impressive in terms of their design, they also boast sophisticated technology under the hood. Every single glass canopy and glass house is tailor-made and tweaked to perfection, right down to the smallest detail. In addition, all components are designed 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**

THE PERFECT SOLUTION FOR ANY REQUIREMENT

Overview of the systems



RHEINBACH, GERMANY

SDL ACUBIS

Design meets sophisticated technology

The latest glass canopy development - the new SDL Acubis flat canopy - is a winner in terms of design and functionality, and can be built as a stand-alone unit or an extension to an existing building. The internal structural members of the non-insulated profile system lend the canopy a simple elegance. The 2° roof pitch is barely visible to the naked eye, but is enough to ensure that water drains off the canopy. A low, single-piece wall joint gives the canopy a lightweight feel and makes on-site assembly a breeze.



GERMAN
DESIGN
AWARD
SPECIAL
2019



MELLE, GERMANY

SDL ATRIUM PLUS

The all-round solution to suit any situation

The perfect glass canopy for any application: The SDL Atrium plus allows you to create extremely large areas of glass with great distances between the posts - and complex canopy shapes too. Its elegant design and filigree Softline profile lend the glass canopy an incredibly airy character, while the permanent roof ventilation system keeps the climate comfortable at all times. When combined with vertical sliding elements, fixed glazing or a non-insulated bi-folding door, the glass canopy can be transformed into a glass house with protection on all sides.



RHEDEN, NETHERLANDS

SDL ANOVA*Focus on what really matters*

If you want permanent, high-quality protection on your patio installed quickly, the SDL Anova glass canopy is the perfect choice for you. Sophisticated design, quick installation, Solarlux quality: the SDL Anova combines a modern look with hugely effective functionality. It comes in twelve standard sizes and two standard RAL colours, keeping cost-intensive planning to a minimum. It can also be fitted with optional sliding glass elements for optimum air circulation.



FILSUM, GERMANY

SDL AURA*Get close to nature*

This glass canopy system will bring you closer to nature in two ways; the wood on the inside of the canopy makes it a unique natural product, while the aluminum cover shells on the outside allow you to be closer to the natural world while still being protected from the weather. The cover shells are available in any RAL colour, ensuring that the SDL Aura matches the exterior design of your building perfectly. The SDL Aura comes in laminated spruce as standard. Other types of wood are available on request.





MAKE YOUR PATIO MORE COMFORTABLE

Wide range of accessories available

Wide range of shading, ventilation, lighting and heating options to make your glass house the cosiest part of your home. Convenient and practical - everything is provided directly by Solarlux, the one-stop shop for all your glass house needs. Choose the best accessories to suit your individual requirements and order direct from us - even after your glass house has been installed.

THE SOLARLUX AWNING MADE BY WAREMA

The glass canopy and the awning are designed to work together in perfect harmony, thus creating a new generation of modern shade technology, complete with technical, functional and design benefits. Everyone has different tastes, and the conditions are different on every balcony too, that's why Solarlux offers a whole series of design and shade options. The awning is available in four different standard designs; above glazing, below glazing, vertical, and even as a "corner" solution. Of course, we also offer a wide range of colours and materials, not to mention the different control options, which include the ability to operate your awning from your smart phone.



LED SPOTLIGHT RAIL

Enjoy balmy summer nights on your patio! Integrated LED spotlights create a cosy twilight atmosphere and provide pleasant illumination under your glass canopy.

SOLARLUX GLASS CANOPY CONTROLLER

The innovative Solarlux controller not only allows you to control your high-quality awning remotely - you can also use it to dim your lighting or switch it on and off. The components are fully integrated into the system.

PERFECT VENTILATION

We offer a range of optional rooflights, which can be fitted with motorised opening and closing mechanisms as required.





CHECKLIST

The most important features in a nutshell

It's not easy to decide which manufacturer is right for you. After all, there are countless brands and providers on the market. Take your time when weighing up your options. This is the only way to make sure you find the perfect solution.

- Free, no-obligation quotation with visualisation to give you confidence in your decision
- Almost no visible fittings - maximum transparency, aesthetically pleasing design
- Top-quality materials: stainless steel screws, aluminium downpipes and downpipe elbows to make your systems durable and weatherproof
- Special shapes give you maximum creative freedom
- All systems come with the CE marking, confirming the flawless quality of their engineering
- DIN EN 1090 for compliance with applicable standards and laws
- High level of prefabrication (no cutting to size on site) for a smooth and efficient assembly
- Steel reinforcements for added safety even when working to strict static requirements
- Large profile walls for improved structural specifications



SDL ATRIUM PLUS / SL 25 / RHEINE, GERMANY



WANT TO SEE MORE IDEAS?
JUST SCAN THIS QR CODE FOR
MORE INSPIRATION!





SDL NOBILES / SL 80 / ALKMAAR, NETHERLANDS

A LIVING
SPACE WITH
PLENTY OF
NATURAL *light*

GLASS EXTENSIONS

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.

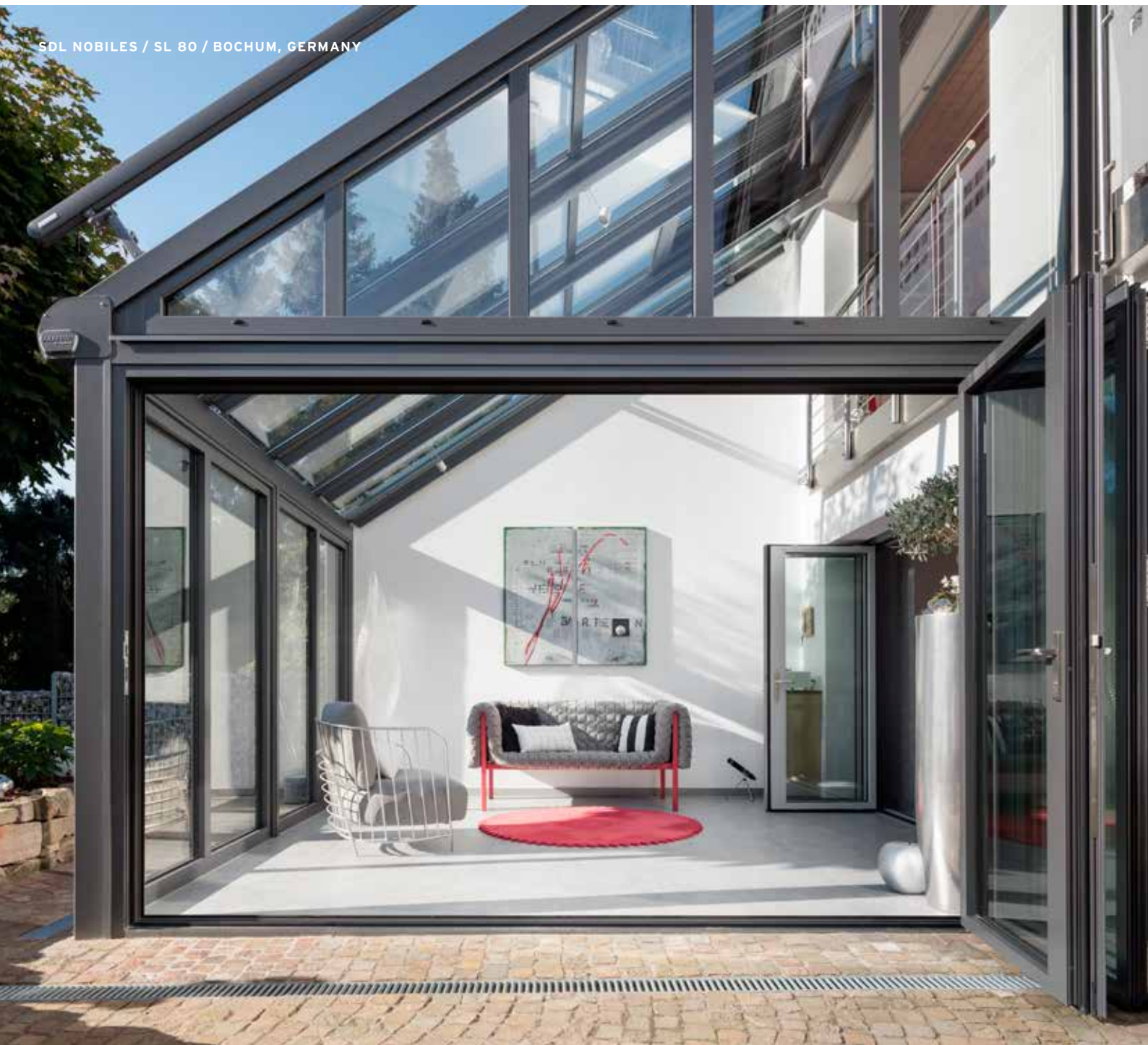


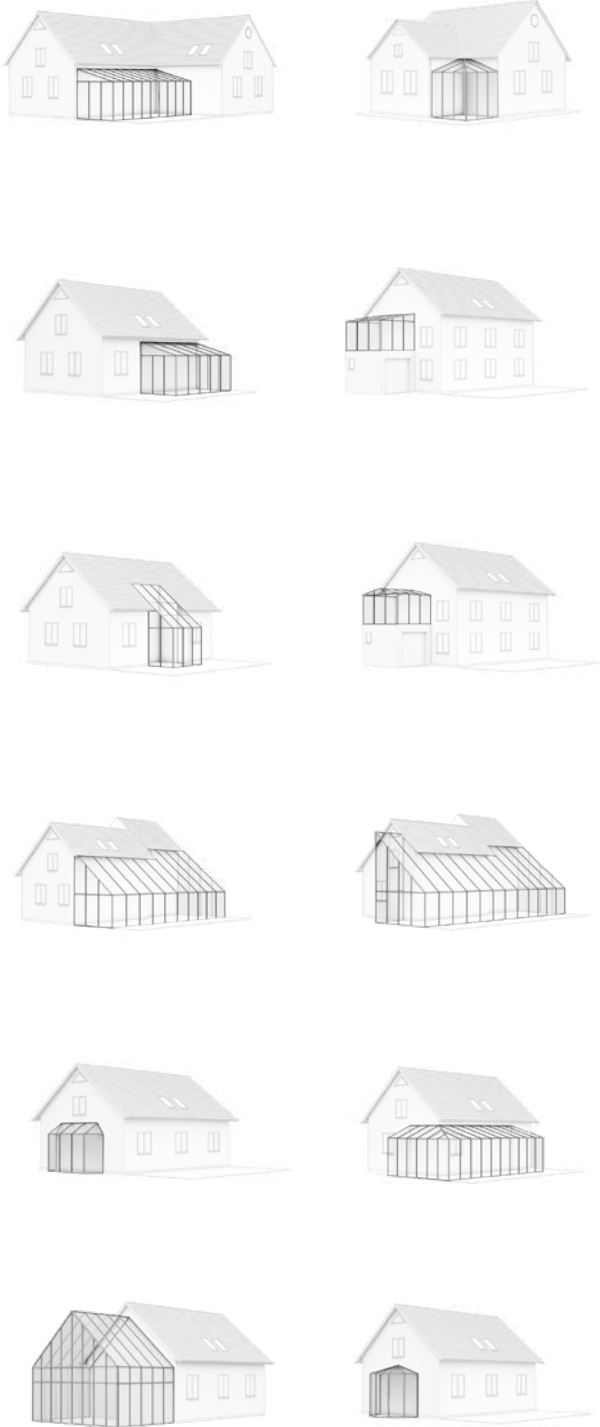


BOOST THE VALUE OF YOUR PROPERTY

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



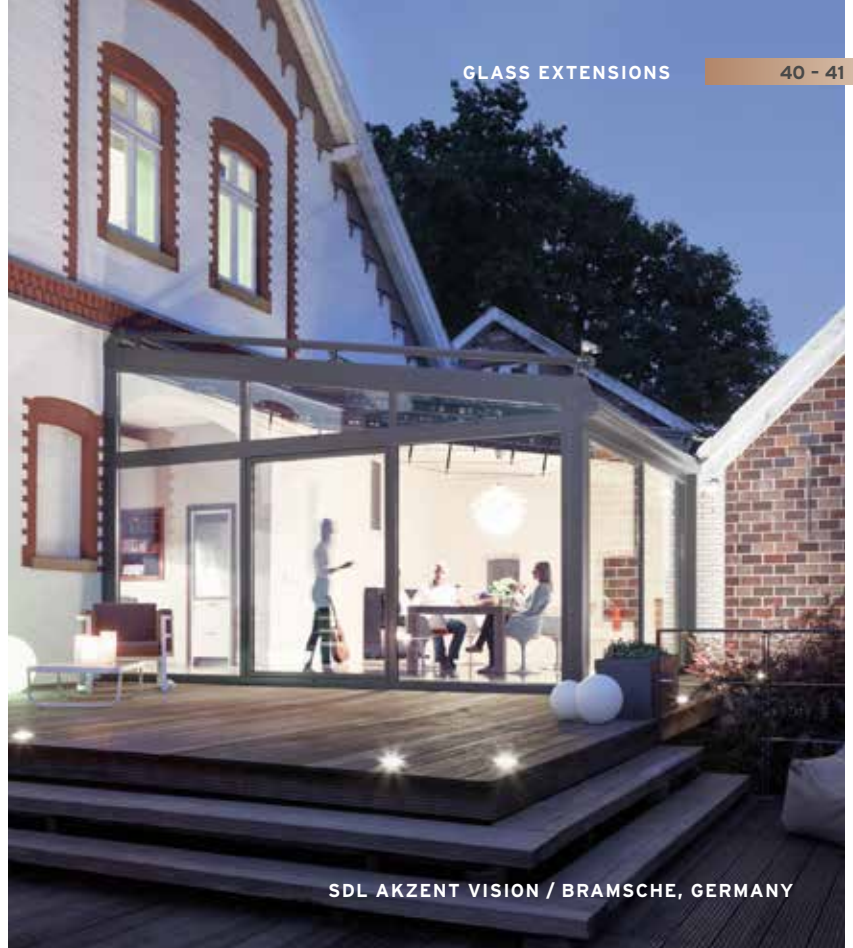


FLEXIBLE DOWN TO THE DETAIL - AVAILABLE CANOPY SHAPES

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





SDL AKZENT VISION / BRAMSCHÉ, GERMANY

THE HEART OF YOUR HOME

A glass extension provides the perfect backdrop for your family life and creates an inviting space to while away the days with your friends.

EXPERIENCE ALL FOUR SEASONS

Discover the first blossoms of spring, feel the warm sun on your back, and watch leaves and snow fall on the roof above your head. A glass extension gives you a front row seat to watch the changing seasons while always keeping you well sheltered from the wind and weather.

GLASS EXTENSIONS AS A CLIMATE BUFFER ZONE

Your highly efficient, thermally insulated glass extension acts as the perfect link between the inside of your house and the natural world around it. It is especially effective in balancing out the temperatures as the seasons change, and saves up the sun's heat to keep your home warm.

TAILOR-MADE FOR YOU

Every glass extension we make at our factory in Melle is unique - you'll never see the same one twice. This makes your Solarlux product something truly special.

THE RIGHT ROOF SHAPE FOR ANY ARCHITECTURE

Overview of the systems



SDL AKZENT PLUS

Slim sight lines, impressive design

An elegant, well-insulated space flooded with light - this is a role the SDL Akzent plus glass extension roof system plays to perfection. The filigree rafters give the roof a slimline look and maximise the amount of light allowed into the glass extension.

The external structural members make the roof of the glass extension smooth on the inside, adding a lightness to the ambience and allowing you to make the most of the room's height. Thanks to the sophisticated technology, it can be used to create even large roof constructions easily.



SDL AKZENT VISION

An unusual look for design enthusiasts

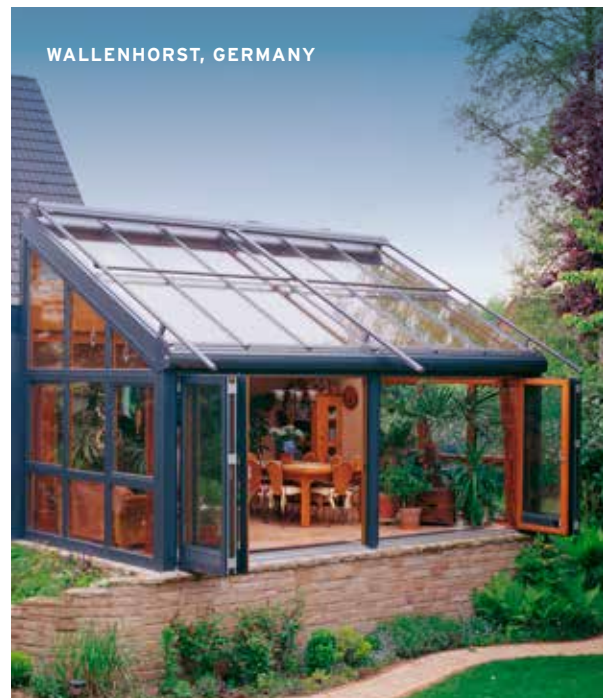
The unusual and extravagant design is one of the key features of the thermally insulated SDL Akzent Vision roof system. The built-in steel cables and stainless steel components are designed deliberately to allow you to see how force is transferred through the system, lending the SDL Akzent Vision a unique character. The holes in the bearing profile add a sense of lightness to the overall look, maximising the amount of light that comes into the extension.



SDL NOBILES

The perfect solution for flat roof areas

With its filigree design, the SDL Nobiles will lend your home a sense of lightness. The minimalist rafter structure creates a flat roof area on the outside that blends in beautifully with the existing architecture. Slender rafter profiles with special die-cast aluminium covers make the entire roof system seem almost as if it's floating.



SDL AVANTGARDE

A natural vibe with perfect weatherproofing

The SDL Avantgarde glass extension will bring you closer to nature; The wood on the inside of the roof makes it a unique natural product, lending the room a homely feel. The high-quality woods used in the design allow you to make the roof any shape you like. The furniture-quality craftsmanship and limitless choice of shapes, colours and functions give you maximum creative freedom for your design. The aluminium cover shells on the outside provide protection against the effects of weathering. The cover shells are available in any RAL colour, thus ensuring that the roof system matches the exterior design of your building perfectly.



SDL NOBILES / SL 80 / BOCHUM, GERMANY

An awning protects the inside from strong sunlight and helps to maintain a pleasant atmosphere in your glass extension all year round.

**THE WIDE RANGE OF COLOURS
AND MATERIALS OFFERS GIVES
YOU GREAT CHOICE WHEN
DECIDING ON AN AWNING**

MAXIMUM CONVENIENCE FOR YOU

Optional accessories

As with everything else we offer, our one-stop-shop approach to service makes planning your glass extension easier. In keeping with this approach, you can order a wide range of accessories for your glass extension directly from Solarlux - even after installation.

SHADE

Even with the best thermal insulation, a glass extension can get very warm on hot sunny days. This can be remedied using our high-quality shading systems. Awnings provide effective shade on the outside of your glass extension, catching the sun's rays before they hit the glass to keep things nice and cool inside. Inside shading options such as blinds and pleated blinds also keep your glass extension from getting too warm, especially in summer. Blinds, pleated blinds and film blinds can even be installed between the panes. They also have the added advantage of being a flexible way of keeping prying eyes at bay.

You can also combine wind and temperature sensors with a glass extension control system to automatically keep the climate in your glass extension pleasant at all times, even when you're not at home.

AIR CONDITIONING

The effective thermal insulation, clever ventilation concept and high-quality shading systems help to ensure a pleasant climate in your glass extension, even on sunny days. In areas that are exposed or subject to extreme heat, it might be advisable to install an additional air conditioning system. This can be set to a specific temperature so that it comes on automatically to regulate the climate in your extension when needed.

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.





SDL NOBILES / SL 80 / LIPPETAL, GERMANY



SCAN THE QR CODE TO FIND OUT
MORE ABOUT A UNIQUE LIVING
EXPERIENCE





SL 25 XXL / SAO PAULO, BRAZIL

A VIEW OF
PARADISE -
OPEN IN JUST
A FEW *seconds*

SLIDING AND SLIDE-AND-TURN SYSTEMS

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.







SL 20E / BERGEN OP ZOOM, NETHERLANDS



SL 20E / BERGEN OP ZOOM, NETHERLANDS

TAILOR-MADE FOR YOU

The large variety of vertical glazing options we offer includes the right solution for any requirement, giving you complete freedom in your design. Opening to the left or the right, a transparent sliding system or an aluminium or wood bi-folding door - the choice is all yours. And of course, all our all-glass systems also make perfect partitions.

THE PERFECT SOLUTION FOR ANY REQUIREMENT

Overview of the systems

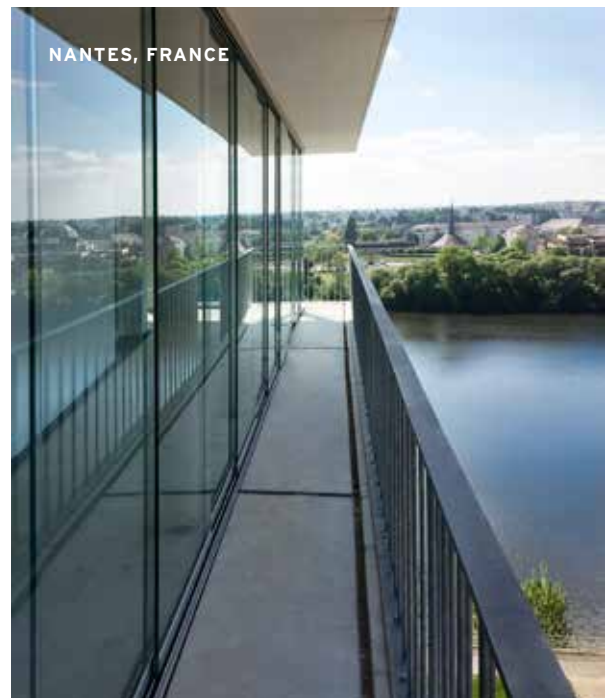


THE NON-INSULATED, ALL-GLASS SLIDING SYSTEM SL 20E/SL 20RE

The solution for individual living concepts

The SL 20e sliding system can be used in glass canopies to protect from wind and weather, or as a simple partition. Its ease of use is particularly impressive. The intelligent catching function makes moving the all-glass elements child's play. The individual panels are guided along two to five flat floor tracks, providing an accessible transition to the outdoors. In addition to this, the SL 20e sliding system can be used as a fully transparent corner solution.

The elements can be set up to slide to either the left or the right, and a framed variant and a locking mechanism with a range of different handles are available as options.



THE NON-INSULATED, ALL-GLASS SLIDING SYSTEM SL 23

Slim profiles, maximum transparency

The SL 23 sliding system provides comprehensive comfort, even in challenging conditions, thanks to its expanded installation capacity of up to 17 mm glass thickness. It is perfect for use in balcony and facade design, especially for high storey installations. It also offers ample protection from the wind and weather when used under a glass canopy, and makes a great partition. The sliding panels of the all-glass system run along a flat multi-track. This guarantees an accessible transition to the outdoors.



BISSENDORF, GERMANY

**THE NON-INSULATED, ALL-GLASS
SLIDE-AND-TURN SYSTEM SL 25/SL 25 XXL**

Make the most of the fresh air

The SL 25 and SL 25 XXL slide-and-turn systems are an excellent choice for anyone looking for protection from the wind and weather, or a flexible balcony glazing solution. The elements can be set up to slide to either the left or the right, and to swing either inwards or outwards. The carriages can move through any angle between 90° and 180°, which makes the systems perfect for a wide range of floor plans and offers unrestricted creativity when designing your patio or balcony. Thanks to their intelligent carriage system, the elements can be opened almost all the way, with only a thin bundle of panels left at the side. This allows you to enjoy the full effect of the fresh air on your patio or balcony.



BASEL, SWITZERLAND

**THE NON-INSULATED, ALUMINIUM
BI-FOLDING DOOR SL 35/SL 45**

Openness without limit

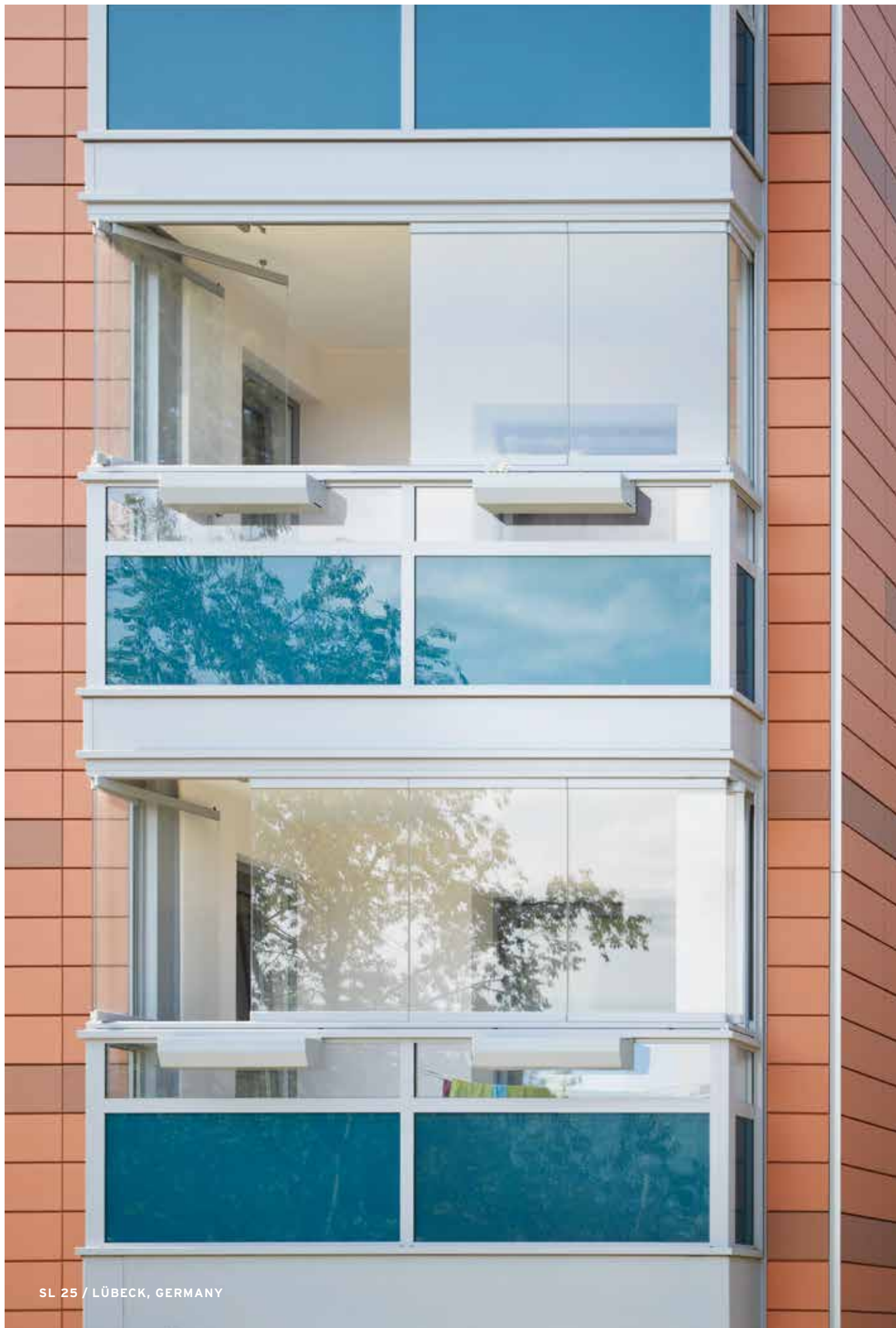
The SL 35 and SL 45 bi-folding doors offer excellent protection from the wind and weather thanks to their use of two continuous gaskets. They fold up like an accordion, leaving a large opening and a seamless transition to the outside letting the fresh air into your glass house. The system also makes the perfect partition or balcony glazing system. Depending on which system you choose, the slender bundle of panels can be slid to the left or right and fold inwards or outwards, leaving a panel bundle of just 50 cm in a five-meter opening.



SL 25 XXL/SAO PAULO, BRAZIL



LEARN MORE ABOUT THE
DIVERSE POSSIBILITIES WITH
OUR SLIDING SYSTEMS



SL 25 / LÜBECK, GERMANY

ENJOY YOUR
BALCONY -
EVERY DAY OF
THE *year*

BALCONY GLAZING

WIND AND WEATHER? NO PROBLEM!

The perfect protection for your balcony

You can use glass sliding or slide-and-turn systems to shelter yourself on your balcony - not just from harsh weather conditions such as wind, rain and cold, but also from noise. You can choose a fully transparent or a framed system, depending on your requirements. The versatile, non-insulated glazing will transform your balcony into an airy pergola or a sheltered room whenever you want. The wide range of system solutions can also be retro fitted onto existing balustrades.





SL 25 / SYDNEY, AUSTRALIA



SL 25 / SYDNEY, AUSTRALIA



SL 81 / OSNABRÜCK, GERMANY



SL 81 / OSNABRÜCK, GERMANY

MAKE THE MOST OF YOUR LIVING SPACE WITH BALCONY GLAZING EXTENSIONS

If you want to make the most of your living space without losing the feeling of having a balcony, then the bi-folding door is the right choice for you. It can be retro fitted onto an existing balustrade or supplied as a modular solution, with balustrade included.

Most importantly, it can be opened across its entire length, so you can still use your new living space as a balcony on warm days.

A range of designs and materials are available, such as aluminium and wood, giving you the ultimate creative freedom in your design.



WANT TO SEE MORE IDEAS?

JUST SCAN THIS QR CODE FOR MORE

INSPIRATION!





CERO II / COLOGNE, GERMANY

THE SLIDING
WINDOW FOR
MAXIMUM
transparency

CERO BY SOLARLUX

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





CERO III / THE HAGUE, NETHERLANDS

Open or closed? cero offers a unique way of combining your house with your garden.

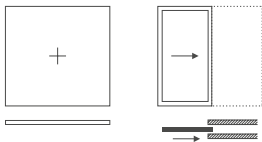
MAXIMUM SECURITY

The extremely large glass areas of up to 15 m² emphasise the focus on quality and security aspects in the design. cero has been tested and certified in line with the highest security standards, and equipment that meets anti-burglary protection classes RC2 and RC3 is available as an option. Connections to alarm systems, a lock monitoring, and notification systems such as broken glass sensors and position monitoring systems are all available as options.

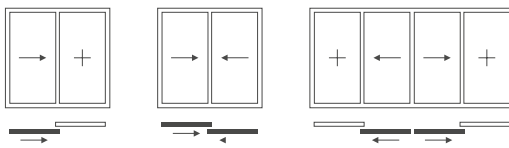
OPTIMUM THERMAL INSULATION

cero offers optimum thermal insulation values, with U_w values of 0.8 W/m²K (in the passive house range) when using triple-glazed safety glass. cero is tested and certified for air permeability, wind load and driving rain impermeability, thus exceeding the testing demands of protection from wind and weather.

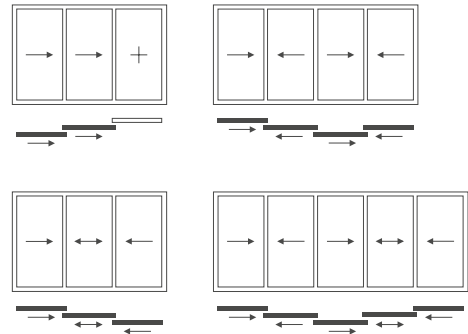
1-track



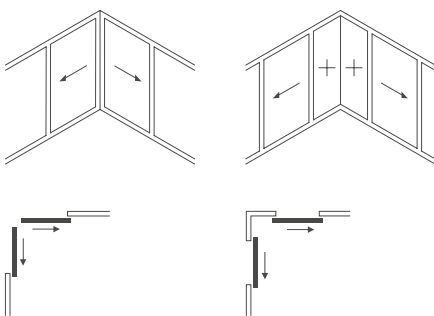
2-track



3-track



Corner solutions



A VARIETY OF OPENING

VARIANTS TO MAKE YOUR

PLANNING AND HANDLING EASIER





CERO III / THE HAGUE, NETHERLANDS

EASE OF MOVEMENT

Stainless steel carriages and rails ensure that the individual glass elements slide easily and are low-wearing, while the built-in stainless steel rollers guarantee even-load distribution.

INTELLIGENT DRAINAGE

The built-in glass rebate ventilation guarantees controlled drainage while also preventing condensation from forming in the space between the panes.

AWARD-WINNING DESIGN

cero is characterised by great aspirations when it comes to design - a fact confirmed by the prestigious design prizes it has been awarded by various international juries; the iconic "Best of the Best" award in the "Façades" category, the iF Gold Award in the "Building Technology" category, and the German Design Award in the "Building and Elements" category.



THE PERFECT SOLUTION FOR ANY REQUIREMENT

Overview of the systems



CERO II

Perfect for projects with stringent structural requirements

Large fixed or sliding cero elements offer a special combination of architecture, design and technology. With sight lines of just 34 mm, the filigree aluminium profiles lend all systems maximum transparency. The thermally insulated cero II system with double glazing and a panel depth of 52 mm is a great choice for buildings that need accessible entrances and exits with a flush floor track.



CERO III

Versatile and suitable for passive house standards

The system`s concealed sub-frames can be incorporated seamlessly into the floor, wall and ceiling. Thanks to their intelligent engineering, they allow glass elements up to 15 m² and 1,000 kg to be moved effortlessly and silently. The cero III system comes with great thermal insulation, triple glazing and a panel depth of 72 mm, but it is the extremely high level of energy efficiency that makes it truly impressive. cero III can achieve U_w values ≤ 0.80 W/m²K and can meet passive house standards.



CERO II / LONDON, ENGLAND



**CERO CAN BE CONNECTED
TO EXISTING ALARM SYSTEMS**

GREATER CONVENIENCE AND SECURITY

Accessories for cero

INTEGRATED SECURITY TECHNOLOGY

cero can be integrated perfectly into an existing monitoring system that covers the whole house or apartment. Electro-mechanical locking elements are available as an option, and additional lock monitoring measures can also be implemented using reed contacts.

MOTORISED DRIVE

The sliding elements can be fitted with a fully automated operating system including electro-mechanical locking and unlocking, which offers the user independent control of several panels via a control unit.

SHADING

cero offers two options to provide optimum shade for the large glass surfaces; a motor-driven sun-protection system with guide rails to fit the frame, or a built-in slatted sun shade.

INSECT PROTECTION

Insect protection up to 1.30 m in width can be integrated into the frame. The maximum height of the insect protection is 3 m for cero II and 3.50 m for cero III.



CERO III / STARNBERG LAKE, GERMANY



**VIDEO: FULL HEIGHT GLAZING WITH
DISCREET PROFILES - NEW PERSPECTIVES
WITH CERO**





PAST AND
FUTURE -
WE RESPECT
both

ABOUT SOLARLUX



SOLARLUX CAMPUS / MELLE, GERMANY

**EMBODYING OUR CORPORATE CULTURE:
THE SOLARLUX CAMPUS WOWS WITH
ITS OPEN ARCHITECTURE**

A SPECIAL FAMILY-OWNED COMPANY

Down-to-earth, innovative and passionate

For more than 35 years, Solarlux has represented exceptional quality in the production of bi-folding doors, glass extensions and facade solutions. Founded by Herbert Holtgreife and based in the town of Melle, north-west Germany, the company is now managed by Holtgreife's son, Stefan. But the real driving force behind Solarlux is its employees: around 800 passionate staff bursting with ideas, who form the daily backbone for the family-owned company's success.

Architects, home owners, professional craft businesses, private customers and apartment companies alike all come to Solarlux for great service and technical perfection in their glazing products.





ALL OUR PRODUCTS ARE MADE TO
MEET THE HIGHEST STANDARDS IN
TERMS OF DESIGN AND QUALITY





THE SOLARLUX CAMPUS IN MELLE

Manufacturing processes made in Germany

The company's environmentally friendly approach to production, in-house production control structure and compliance with the highest quality standards are reflected in its ISO 9001, ISO 14001 and DIN EN 1090 certificates. When combined with the extensive community outreach that has been part of Solarlux ever since it was founded, this truly makes the family-owned company something special.

UNMISTAKABLE SOLARLUX QUALITY

The aluminium and wood materials we use at Solarlux offer maximum creative freedom for your design - not to mention sustainability and durability. Combined with our patented technology, Solarlux systems are the perfect choice for high-quality building projects focused on great design.

WOOD

The natural material for a cosy environment

The woods used by Solarlux are certified and sourced from sustainable forestry. Our certificates set high standards, particularly in terms of sustainability, the environmental compatibility of the forest cultivation, the quality of the work and the social expertise of the forestry companies. Our use of water-based varnishes and energy-saving production with recycling of water and heat provide further evidence of the care with which we handle our natural resources. In addition to the standard woods, meranti, spruce and pine, all systems are available in any other wood of your choice. Our surface treatments are completely individual too. Whether you opt for a varnish, a hand-oiled surface or an opaque lacquer, Solarlux products are always available in any colour of your choice.

ALUMINIUM

The material for durability

Durable and almost completely zero-maintenance - this is the promise that aluminium keeps as a material. We also apply environmental awareness to our aluminium production - Solarlux is certified in accordance with the German A.U.F. Recycling Loop, which has confirmed that our aluminium is recycled in an environmentally-conscious manner that saves on resources. With around 30 RAL colours available in the Solarlux pallet at no extra cost, you can give any bi-folding door an individual touch. We also offer special colours, ELOXAL and DB on request.



Das Zeichen für
verantwortungsvolle
Waldwirtschaft



www.pefc.de

**COATINGS MADE IN-HOUSE TO
CATER TO ALMOST ANY REQUEST**

THE SOLARLUX WORLD OF COLOURS

Maximum creative freedom

When you choose a Solarlux product, you opt for individuality. Solarlux colour options, which include around 30 RAL colours, offer all the colours of the rainbow in matt and silk gloss finishes, at no extra cost. This allows every Solarlux system to match its building's interior and exterior design. It goes without saying that we also offer special DB, RAL and Eloxal colours, as well as special surface finishes, for anyone looking to give their Solarlux product a unique twist.



KEEP TRACK OF SOLARLUX IN THE DIGITAL REALM

Stay up-to-date

Projects, references, news - the world of Solarlux moves fast, and an image is sometimes worth a thousand words. What more reason do you need to visit our website or the mySolarlux portal, or to follow us on social media? But it should go without saying that, even in this digital age, we love hearing from you directly and answering your questions in person or on the phone. So don't delay - contact us today! Whether you'd like a zero-obligation consultation session, a sketch of your personal idea, or simply an answer to your question, there are plenty of ways to get in touch with us.



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