

LIVING

GLASS LIVING IDEAS FOR YOUR HOME



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!



SL 45 / SAN DIEGO, USA

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 45 / SAN DIEGO, USA



SL 81 / OBERAUDORF, GERMANY



SL 81 / BÜHL, GERMANY

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.

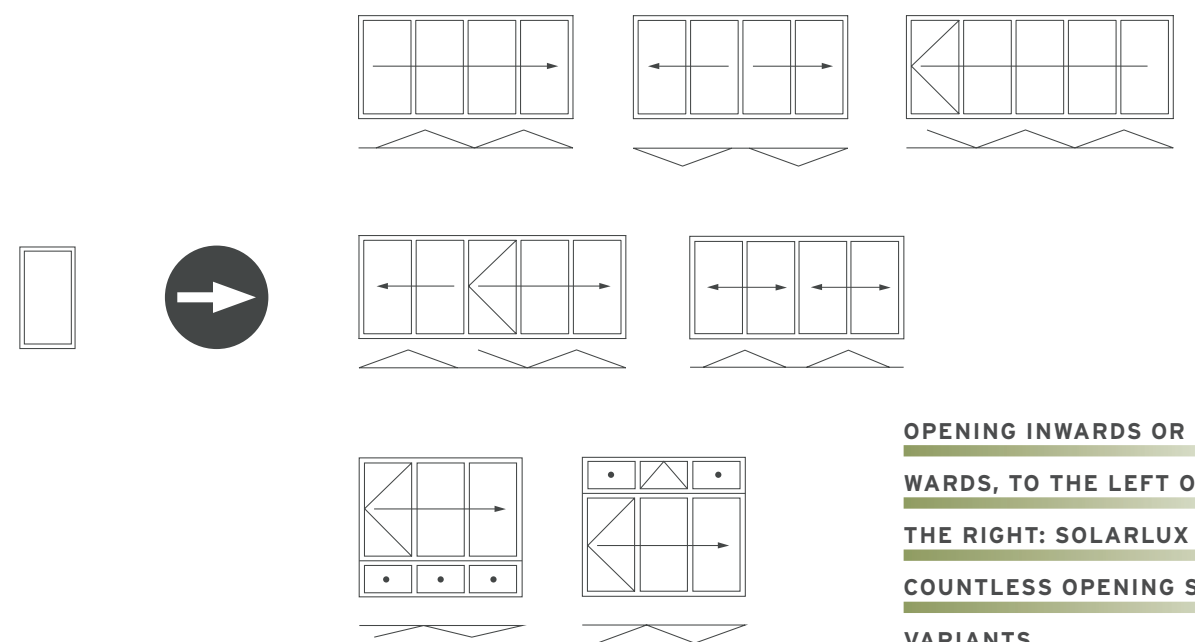
THERMAL INSULATION

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

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



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

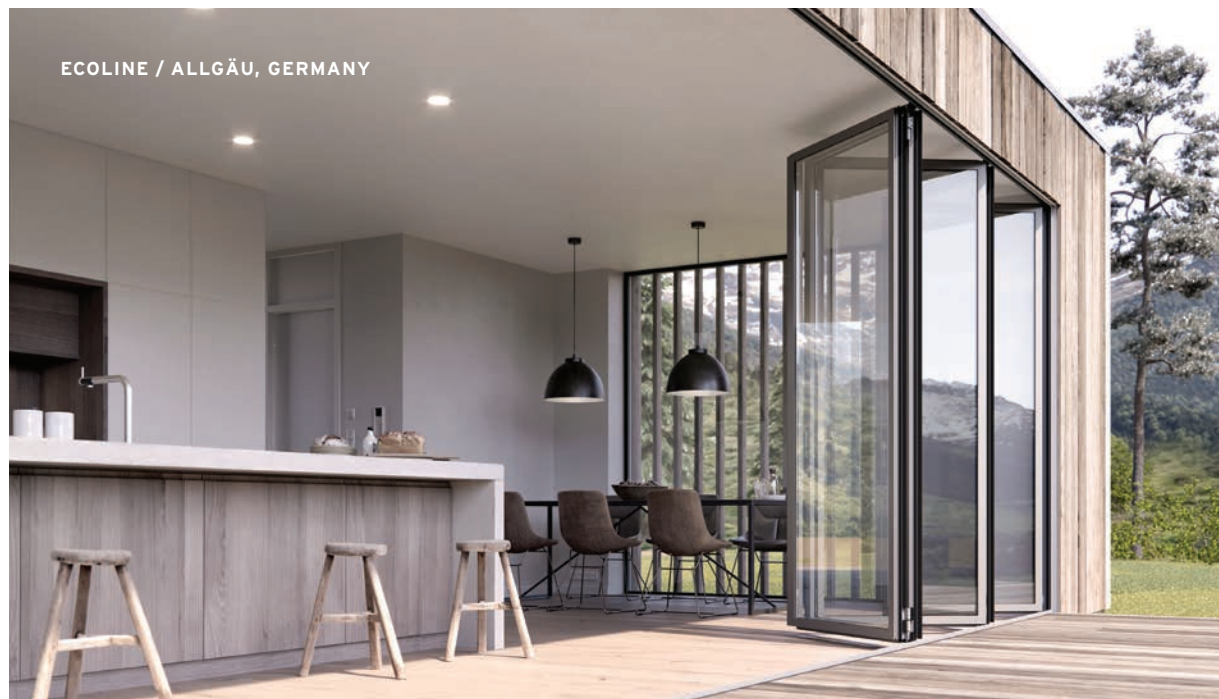
Bi-folding doors make your living space transparent and open. They turn cramped, dark rooms into bright, modern spaces with an incomparable sense of space, flooding living areas with air and light. Bi-folding doors extend rooms and help you get more out of your home.

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](https://www.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!



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 25 XXL / SDL ATRIUM PLUS / MELLE, GERMANY



SL 25 XXL / SDL ATRIUM PLUS / MELLE, GERMANY



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



BAD SEGEBERG, GERMANY

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.



NANTES, FRANCE

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 fi ted onto existing balustrades.





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 fited 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!



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 BY SOLARLUX

70 - 71

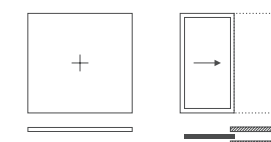
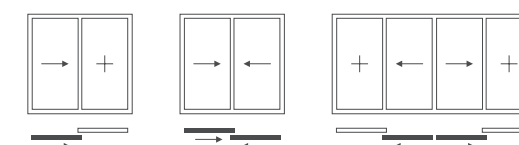
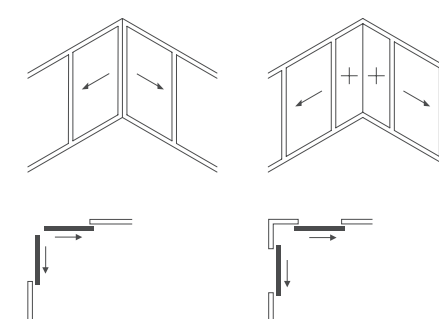
CERO III / LAKE CONSTANCE, GERMANY



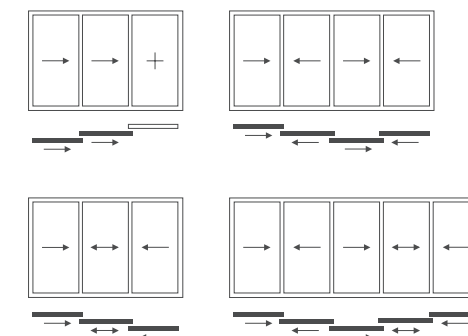
CERO III / THE HAGUE, NETHERLANDS

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.

1-track**2-track****Corner solutions****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.

3-track

**A VARIETY OF OPENING
VARIANTS TO MAKE YOUR
PLANNING AND HANDLING EASIER**

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



CERO III / THE HAGUE, NETHERLANDS



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