



GLASS CANOPIES
& GLASS HOUSES



Overview

- Extend summertime** **page 4 - 5**
Enjoy a protected garden space, 365 days a year.
- Product advantages** **page 6 - 7**
Improve your quality of life and get closer to nature with glass canopies and glass houses.
- Flexible protection** **page 8 - 9**
Convert your Solarlux glass canopy into a glass house and enjoy maximum weather protection.
- Endless variety** **page 10 - 11**
A wide variety of architectural styles and possibilities through different roof shapes and materials.
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Make the most of summer

From dream to reality

Verdant foliage, delicate blooms, rich colours: the sun brings everything to life after the endless dull winter days. When spring and early summer arrive, so too does the urge to move outdoors into the first rays of sun, read a good book or barbecue with friends into the evening - but it's still a bit too chilly for that, isn't it?

A glass roof offering maximum transparency gives you the sun you long for and the protection you need. Vertical glass elements, which you can open and close as you wish, protect you from those chilling drafts. Even when it's not all that warm outside, your patio glass haven will trap the warming rays of the sun. With the aid of our visualization software, we would be happy to show you how your wishes can become a bespoke reality. Because nothing encourages your imagination as much as a realistic picture.





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- Equipment options
- Exhibition and consulting

A better quality of life

Enjoy the garden and nature in spite of the rain - the protection of a Solarlux glass canopy makes it possible. Barbecues or a nice get-together with your family and friends will be extended through the canopy's transparent protection, so that you can enjoy the outdoors even in the evening.

Complete weather protection

Alternatively you can create a glass house by using vertical glazing elements and achieve additional protection against unpleasant drafts without spoiling the unhindered view into your garden. On sunny days the vertical elements can be opened up very easy and stored to one side, so that the patio character remains.

Custom-made solutions

Different roof shapes, colours and materials ensure the glass canopy and/or glasshouse fit the architecture and character of your house perfectly. Together with our consultants you can develop the dream of a glass house or glass canopy that meets your personal wishes.

Increasing property values

A Solarlux glass canopy or glass house represents more than increased living comfort; it is also a solid investment in the material value of your home.



Treat yourself to versatile all-round protection against the elements

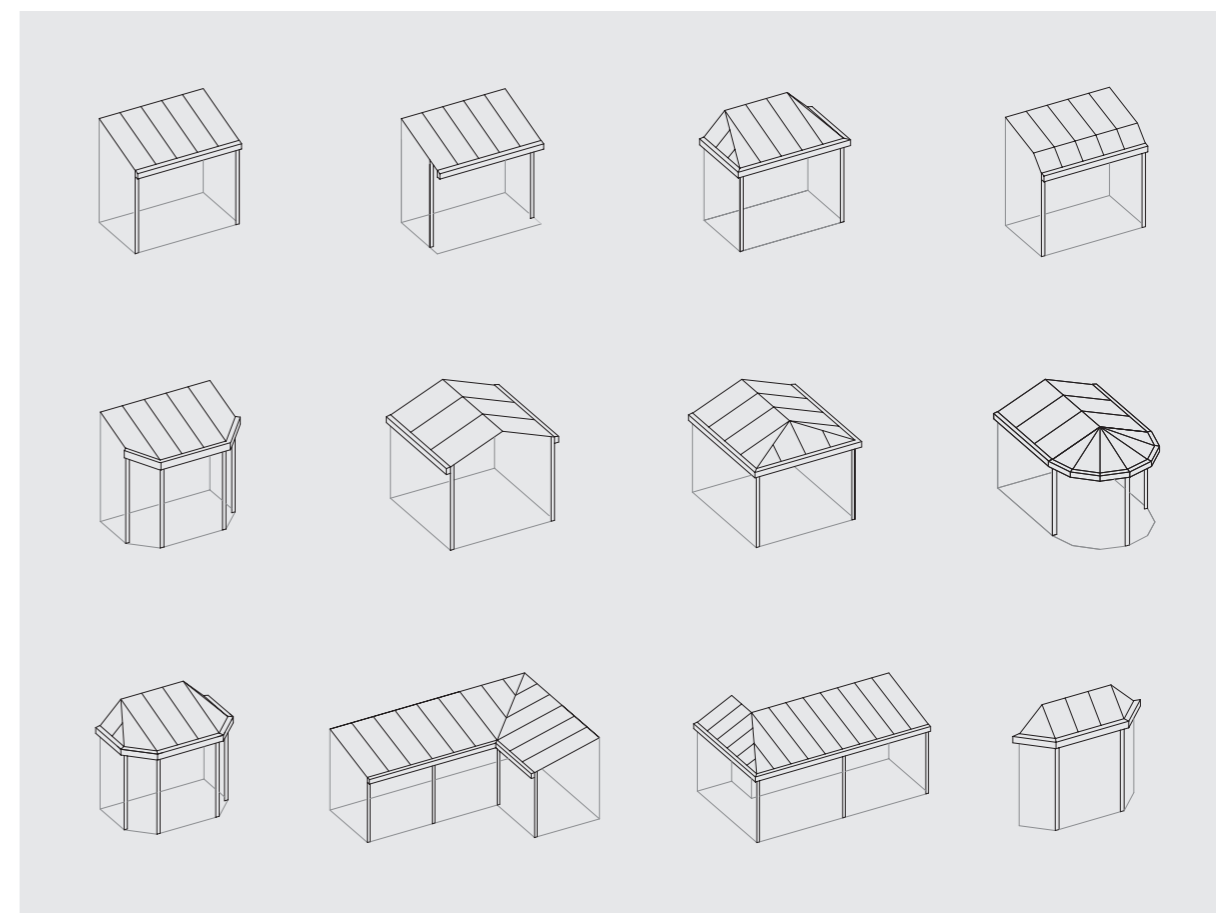
From glass canopy to glass house

The Solarlux glass house gives you total transparency. Any patio roof can be fitted, and even retrofitted, with vertical glass elements which transform your covered patio into a glass house, affording you all-weather protection. Depending on how much protection you want, you can choose glass elements with or without frames. You can slide some of the glass panels into a corner and then turn them sideways. Or you can fold all glass elements together and enjoy the panoramic opening.

The transition into the garden is barrier-free thanks to a flush floor track, in which the vertical glass elements run. So the feeling you're creating is that you are sitting in the garden, but protected, while the glass house is completely open. On

the following pages you'll get to know everything about the advantages of, and differences between, our roof systems and the vertical glazing options. We offer a cost effective solution with transparent protection.

Whichever you opt for, it will always be effective. But the one thing you can be sure of with a Solarlux glass house is that you will be perfectly protected. Whenever that protection is needed.



Use the freedom of possibilities

Varieties of shapes and materials

Period property, new build, stylish country home, modern town house, semi-detached or a one-off design: because no two houses are alike, every Solarlux glass house is also unique. We plan, design and create customised solutions with tried and tested systems and innovative products to realise your dreams. The one factor which unites all our solutions is the outstanding quality both of the materials used and of the structural implementation. All elements are ideally coordinated to ensure a perfect end result - a glass house which is permanently beautiful and holds its value.

Longlife aluminium provides great design possibilities. The weather-resistant material can be coated in numerous colours and makes extraordinary constructions possible. Of course we still have canopies in wood that are virtually maintenance free.

With such a variety of roof forms, Solarlux ensures that the glass canopy complements the architectural style of your house - with the best weather protection you want. Be it a glass canopy, a glass house, a carport or an entrance canopy, we carefully plan and install the ideal roof structure to suit your house.

Naturally, we are also always happy to hear about your own ideas and design suggestions. After all, you are the best judge of what is really important to you! Please feel free to bring photos, your own sketches and lists of priorities with you when you meet with one of our specialist advisors.



SDL Atrium glass canopy/glass house

Slim sections for maximum transparency

Would you like to enjoy the sun whenever it's shining? Experience for yourself the lightness and elegance of SDL Atrium: this roof system will impress not just with its design, but, in particular, with its transparency. The slim aluminium sections are almost invisible - that's their hallmark. With the support members on the outside of this roof, you get the benefit of a slim profile and maximum light, no matter what the weather is like.

Whether it is a mono pitched roof or gable roof a Solarlux canopy will complement the design of your home. A variety of glazing elements converts a canopy into a weather protected glass house. The SDL Atrium offers elegant design coupled with high transparency.





SDL Atrium Carré glass canopy/glass house

For modern design requirements

The new SDL Atrium Carré utilises the purist forms of Bauhaus Architecture and offers a sheltered outdoor garden space. The glass house provides great flexibility of design by offering unobstructed views of the countryside through variable usage possibilities; as a closed sheltered space, a semi closed space or as a completely open sided structure.

The contemporary design of the low profile glass roof system provides a visually discreet 360° solution. In conjunction with the vertical glazing options (Glass sliding/stacking or Bi-folding door systems) the overall design utilises narrow profiles resulting in a weather protective environment that offers maximum transparency.





SDL Ambition glass canopy/glass house

Bespoke roof forms for ambitious ideas

Are you looking for a special solution for your glass canopy? Such as a corner-roof? With the SDL Ambition we can create a variety of roof forms, including a segmented roof, as well as special customized designs. This glass oasis blends in with any architectural style and meets even the most demanding situations. We can work with any width up to seven metres without support, so your dream of a party unspoiled by rain can become reality under a Solarlux glass canopy!

The SDL Ambition can also be extended easily to a protected glass house by vertical glass elements. By the use of insulated glazing in combination with folding glass doors a greater degree of thermal insulation can be achieved.





SDL Aura glass canopy/glass house

The incomparable charm of wood

Would you like to enjoy the harmony of natural materials in your glass canopy? SDL Aura offers just that and is virtually maintenance free. This is all thanks to the special laminated SVL Oregon Pine with a unique finish, which is immensely strong, torsion free and with a unique, durable finish. Of course, you can also opt for high-grade treated spruce.

All used timbers are FSC and PEFC certified and come from sustainable forestry. A variety of colours and a long product life is assured by the treatment with an environment friendly water-based lacquer. Powder coated aluminium claddings on the outside additionally protects the wood against weather influences. With vertical glass elements added the SDL Aura becomes a glass house and provides weather protection all-year round.





SDL Atrium

Ultimate transparency

Uninsulated aluminium roof system
 with external structural profiles

Special features of the system

- | Roof pitch 5 - 25°
- | Elegant design and high transparency due to slim profiles
- | With or without roof overhang
- | Integrated spotlights available
- | Permanent roof vents for ventilation
- | Awning on the in- or outside

SDL Atrium Carré

Modern Design

Uninsulated aluminium roof system
 High quality flat roof through all-around fascia

Special features of the system

- | Available as single pitch or apex roof
- | Roof pitch from 4 to 12° (depending on type)
- | Free standing or bespoke wall connection available
- | Only 450 mm height of fascia
- | Elegant design and high transparency
- | Extensive range of accessories

SDL Ambition

Bespoke structures

Uninsulated aluminium roof system
 with external structural profiles

Special features of the system

- | Roof pitch 5 - 50°
- | Numerous roof shapes and segmented layouts possible
- | Ventilation through high-quality roof windows or automatic roof vents
- | Integrated spotlights available

SDL Aura

Natural charm

Uninsulated wood/aluminium roof system
 with internal structural profiles

Special features of the system

- | Roof pitch 5 - 25°
- | Elegant design due to slim profiles
- | High quality wood with high dimensional stability
- | Weather protection by powder-coated aluminium cladding
- | Awning on the in- or outside

Features

Solarlux glass canopies at a glance

● available | ○ not available

	SDL Atrium	SDL Atrium Carré	SDL Ambition	SDL Aura
Material				
Aluminium	●	●	●	○
Wood/aluminium	○	○	○	●
Roof forms				
Monopitch and pitched roof with/without overhang	●	●	●	●
Segmented roof forms	○	○	●	○
Special designs	● ⁽¹⁾	○	●	● ⁽¹⁾
Dimensions				
Maximum distance between columns	5,3 m	4,3 m	6,9 m	5,0 m
Maximum width	unlimited	unlimited	unlimited	unlimited
Maximum depth	5,0 m ⁽²⁾	4,5 m	5,5 m ⁽²⁾	4,9 m
Roof pitch 5° to 25°	5 - 25° ⁽³⁾	4 - 12°	5 - 45°	5 - 25° ⁽³⁾
Colours				
Aluminum coatings (RAL, DB, NCS, Eloxal, DURA [®] xal, Tiger)	●	●	●	●
Solarlux wood colours	○	○	○	●
Drainage				
Specially designed gutter	●	●	●	●
Spout drainage	●	○	○	●
Chain or downpipe drainage	●	●	●	●
Standard connections for further treatment	●	●	●	●
Glazing				
Laminated safety glass 8, 10, 12 mm	● ⁽⁴⁾	● ⁽⁴⁾	● ⁽⁴⁾	● ⁽⁴⁾
Double glazing 26, 28 mm	○	○	●	○
Self-cleaning glass	●	●	●	●
Opaque/coloured glass	●	●	●	●
Shading				
External shading	●	●	●	●
Internal shading	●	●	●	●
Vertical shading	●	●	●	●
Special awning holders	●	●	●	●
Ventilation				
Continuous operation roof fan with fly screen	●	●	○	○
Motorized roof vents	●	○	●	●
Motorized sliding window	●	○	●	●
Lighting				
Lightstrips with swivel halogen spotlights	●	●	●	○
Cable duct	●	○	○	○
Vertical elements for Solarlux glass house				
SL 25 / SL 25R / SL 25 XXL slide and turn system	●	●	●	●
SL 20 / SL 20R sliding system	●	●	●	●
SL 35 / SL 45 folding glass door	●	●	●	●
Fixed glazing, parallel slide and tilt element	●	●	●	●
Other accessories				
Insect screen	●	●	●	●
Radiant heater	●	●	●	●
Remote control	●	●	●	●

⁽¹⁾ Other roof forms available on request

⁽²⁾ Concealed steel reinforcement necessary for a distance between rafters of 90 cm.

⁽³⁾ Other roof pitches available on request

⁽⁴⁾ Other glazing available on request

High demands, lasting comfort

Optimal protection for open air pleasure

365 days a year open air pleasure with a glass canopy or glass house from Solarlux. Transparent protection against wind and rain and a maximum openness on sunny days - with a glass house you can flexibly adapt to the weather. To fully meet your high expectations, we are 100 % committed to quality, design, manufacture and installation.

At Solarlux everything comes together; be inspired by your own ideas, personal preferences and the structural requirements of your house. See for yourself, in the table on the left, how Solarlux can provide everything you need which means your dream of a glass canopy or glass house really can come true!





SL 25

Open to all possibilities

Create open space with only a few movements

No matter which roof system you choose there are always different opening options. Every vertical system can be combined with each roof system, which can be opened up completely, so that your glass house is just a roof in a second.

The SL 25 is the all-glass system for an uninterrupted view of the outdoors, even when the glass panels are closed. They can be slide and turned away neatly to save space. The slim framed version (SL 25R) offers greater protection from the elements and a better seal. With the all-glass sliding system SL 20 or the framed version (SL 20R) the glass panels can be moved horizontally in 2-, 3- or 4-lane running and guide tracks. Or choose the folding glass door SL 35, which can be moved to the side like a concertina.



SL 35



SL 20



SL 25R



Your Solarlux glass canopy or glass house

With all the extras

Complete service from a single supplier is important, which is why Solarlux offers you a range of suitable accessories for your glass canopy or glass house. We have the perfect sun protection in the form of an awning installed above or below the glass, brought to you from a leading awning manufacturer. These sun shades are easy to use and retract quickly and quietly into the cassette when you wish to enjoy the sun in all its glory. Vertical shades are another option, offering easy-to-install protection against prying eyes.

- 1 Perfect sun shading by high-quality awning: on top of the roof, vertical or as an under-roof awning.
- 2 Enjoy mild summer nights: integrated halogen spotlights create the perfect light for your glass house, electric heaters provide pleasant warmth.
- 3 A permanent roof vent made of two glass panes, which overlap each other, enable ventilation all day long and dispel heat accumulation under the roof.

- 4 With the innovative Solarlux remote control not only the high-quality awning can be controlled, also the lights can be switched on/off or be dimmed. The receiver of the remote is concealed in the light trunking and is not visible. Additional modules for the vertical shading, electric heaters and other products can also be operated with the remote control, which is fixed to the wall by a magnet.

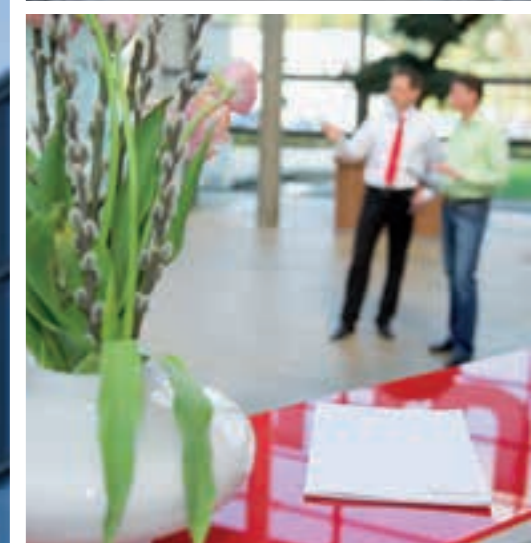


Go for the live experience

Exhibitions and the Solarlux Forum invite you to explore

The Solarlux Forum in Bissendorf is one of the best addresses for glass canopy or glass house fans. Experience the entire variety of high-quality glass solutions - from wintergardens and folding glass doors to patio roofs - spread over 2000 square metres of exhibition space. Furthermore, the Solarlux Forum has established itself as an atmospheric location for public events, such as musicals, concerts and comedy shows.

An extensive network of dealers ensures that you will find an expert contact partner in your area. Many specialist dealers exhibit elegant glass canopy or glass house solutions at their premises or alternatively you could visit our showroom at Solarlux's UK headquarters in Welwyn Garden City. A list of Solarlux partners is available on the internet and we will be happy to advise you by phone.





Specialist advice and support

Relax and look forward to a perfect result

The dream of your canopy or glass house is the first part but perhaps you are wanting someone to support you in all the areas up to completion. Then Solarlux is the one for you: we can take over the entire planning process, consult on the planning application, and build your bespoke glass house. We can even provide a regular maintenance contract.

Our technical consultation even goes further than that - we can recommend the best solution for all connection details, from the foundations through to the walling and up to the roof. Finally, we can also put you in contact with our professional, experienced partners who will reliably carry out the work required.



