

# Glass roof structures and customised rooflights

Custom-made products from 'the daylight manufacturer'



- Constructive glass building with unlimited possibilities
- Special solutions to meet the most demanding of requirements
- Large wall rooflights for facades

**INDU  
LIGHT**

# The lightweight alternative to real glass: INDU LIGHT AC<sup>+</sup> made by PLEXIGLAS®

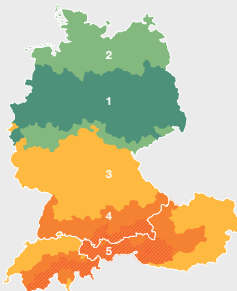
PLEXIGLAS® for maximum light transmission with a low inherent weight. In contrast to other polycarbonates, PLEXIGLAS® is guaranteed not to yellow, i.e. discolour, for 30 years. For renovation work, lightweight PLEXIGLAS® is often an interesting solution, especially when the structure of a building requires lightweight attachments or if cost reduction is an important factor in the base frame.



openOffice, Essen



The UV-resistant qualities of INDU LIGHT AC<sup>+</sup> made by PLEXIGLAS® are why it is used in solar zone 5 environments. This is where polycarbonates are exposed to the highest levels of exposure to UV radiation. In response to rising levels of UV exposure, INDU LIGHT matches all of its rooflights with polycarbonate sheets to contend with prevailing levels of UV radiation.



## Highest values for roof and wall glazing: INDU LIGHT ELS AC<sup>+</sup> made by PLEXIGLAS®

Aerogel comprises 95% air and is therefore the lightest construction material in existence. Aerogel is UV-resistant, non-toxic, non-combustible and it does not generate smoke. In addition, it is water-repellent and moisture-resistant, protecting it against the formation of mould and fungi. It is highly translucent as well as thermally and acoustically insulating. The countless positive properties of Aerogel are most effectively combined with PLEXIGLAS®. No other combination offers the same maximum values in areas of relevance to roof and wall glazing – especially for renovation work. As a system provider, INDU LIGHT offers the following benefits through this combination of Aerogel and PLEXIGLAS®:

- Superlative thermal insulation characteristics
- Highest standards of light transmission
- Lightweight
- Maximum UV-resistance
- High soundproofing values
- Construction material harmless in biological terms
- Versatile design possibilities, e.g. with coloured elements



Euregio Gymnasium, Bocholt [a secondary school]



# Homelife, working and living under a glass sky

## **As lovely as under the open sky – but very well protected indeed**

Daylight is life-giving. It strengthens the immune system and makes us content. The aim of modern architecture is therefore to direct as much daylight as possible into all buildings. The experts in glass roof structures and customised rooflights at INDU LIGHT offer custom-made solutions for all construction projects – for new buildings as well as for renovation work.

The interplay of natural light and modern architecture opens up previously unimagined possibilities and really upgrades the visual appearance of buildings. The delivery of natural daylight to interior spaces makes people feel much more positive in the way they experience and perceive that space. This is why modern building concepts focus on establishing a direct link to the outside world while also allowing daylight to exert a motivating effect on everyone it connects with.

Standard solutions often fail to deliver what is really needed. INDU LIGHT, as a 'daylight manufacturer', offers custom-made solutions in the form of customised structures, affording optimum design latitude to architects, planners and creative specialists. The range of glazing materials extends from double glazing for a vast array of applications to various versions of polycarbonate and acrylic glass – with the option of Aerogel filling.

For challenging construction projects, INDU LIGHT is the right partner: whether for continuous rooflights, wall rooflights, renovation solutions or creative new buildings – our engineering specialists have the expertise and experience it takes, and will work away steadily until all requirements have been satisfied as well as they possibly can be.

## **Our customised rooflights turn our visions into reality**

You have the idea – we implement it! The INDU LIGHT lighting range satisfies all of your design wishes. Our custom-made products are of course absolutely equal in quality and longevity to our standard products.

Our engineers deliver personal attention and great commitment to the implementation of your requirements and wishes. As well as developing and implementing individual products, our focus lies in the provision of comprehensive advice to architects, planners and metal workers.



# Constructive glass building with unlimited possibilities

Glass does a wonderful job of staging light in a particularly impressive way: in industrial construction as well as in railway stations and airports, in shopping centres, sports halls, administration buildings and residential apartment blocks. The distinctive visual appeal of glass delivers straight-line aesthetics and lean geometry, a high proportion of daylight and lets sunlight flood through the building.

We use the very latest in glazing from the most innovative of manufacturers:

- Tinted glass
- Thermal insulation glass
- Soundproofing glass
- Printed glass
- Self-cleaning glass
- Light-scattering double glazing
- Integrated photovoltaic modules
- Integrated solar protection louvres

## System-based experience: stick systems and supporting beams

The stick systems from INDU LIGHT have been tried-and-tested and proven over many decades. They can be combined and are thermally insulated. Optionally, all profile systems can be installed with concealed screw connections.

All INDU LIGHT supporting profiles are equipped with drainage channels to direct condensate outwards; the connection to the roof can be adapted to suit every environmental construction. Very flat glazing panels are implemented with stepped double glazing at their lowest point and can be implemented with an additional water drain duct in the form of a glass butt strap. This guarantees the leak tightness of the entire system.

## System components

Supplement all of our glass roof structures and customised rooflights with ventilation flaps and natural smoke and heat exhaust ventilators (SHEV) as part of a SHEV system – and of course in modern 24V technology.



Mercedes Benz Neils & Kraft, Weimar



Arburg, Loßburg

Our highly experienced engineers plan in accordance with the German Technical Regulations for Glazing (TRLV). Structural verification is provided by external structural engineers on every construction project.



## Large wall rooflights 'open up' your facades

With the glass rooflight, INDU LIGHT also offers custom-made solutions for flat roofs with thermal insulation characteristics that make them suitable for residential living areas.



INDU LIGHT solution for special-purpose glazing for an energy-efficient, low-radiation-exposure form of construction in the executive private residential sector



INDU LIGHT pyramid glass is a decorative design element for demanding architectural tastes, and has great visual appeal.



In addition to continuous rooflights, wall rooflights also increase the amount of exposure to daylight and 'open' up the facade in visual terms.

Our range includes wall glazing made of polycarbonate, acrylic glass or fibre glass. The system components, e.g. the rooflight ventilation wings or louvered ventilators, are carefully matched by us to the type of glazing selected for the surface of the wall rooflight.



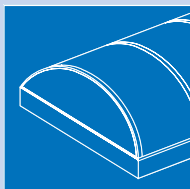
Coop Megastore, CH-Dietikon



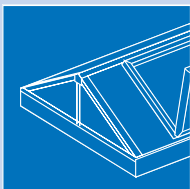


# Modular product range

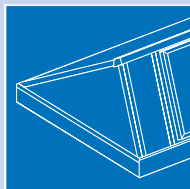
## Continuous rooflights



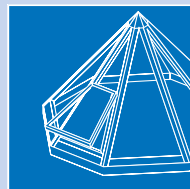
Topline ELS  
Proline



Skyline

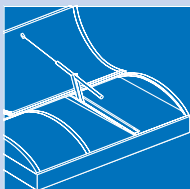


Shedline

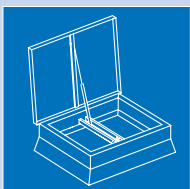


Glass roof  
structures  
and  
customised  
rooflights

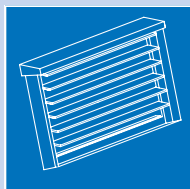
## Smoke and heat ventilation systems (SHEV)



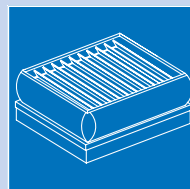
Top / Pro flap



Rooflight

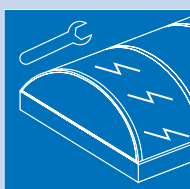


Louvered  
ventilator

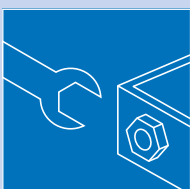


Multi-purpose  
ventilator

## Renovation – maintenance



Renovation



Maintenance

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