

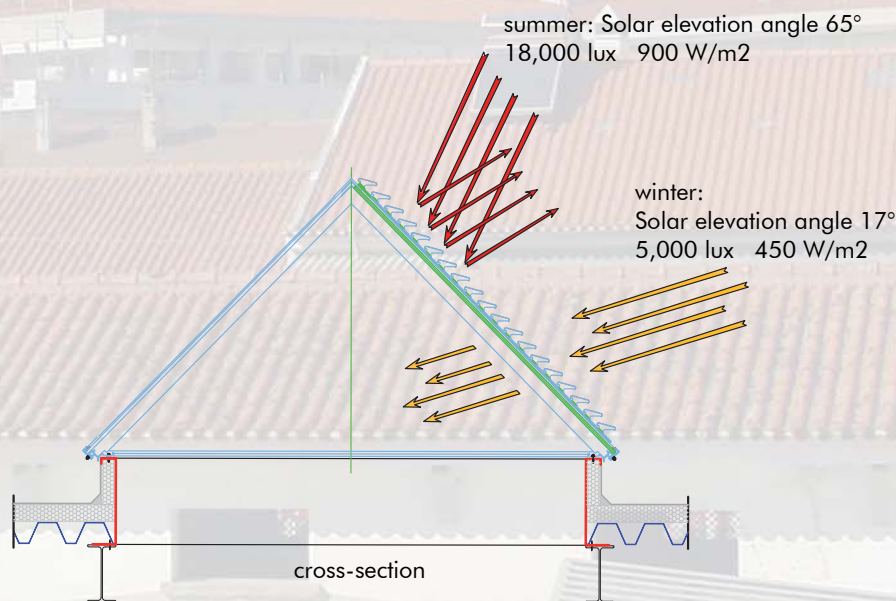
Information about solar shading

A pleasant temperature at the workplace is not only very important for the well-being of the employees, it also significantly increases their productivity. Surveys have shown that every degree Celsius above 20 °C reduces productivity.

Due to the fact that the thermal output generated by direct sunlight on glazing surfaces can reach up to 900 W/m² in summer, solar shading is especially important. On the one hand it prevents glare, which can be particularly unpleasant at computer workstations, and on the other hand it protects against heat radiation by reflecting sunlight. There is, however, no real alternative to external sun shades. Whilst heat builds up behind the windowpane when an indoor sunshade is installed, an outdoor sunshade reflects up to 80% of the solar radiation. Air-conditioning costs can thus be significantly reduced.

Advantages:

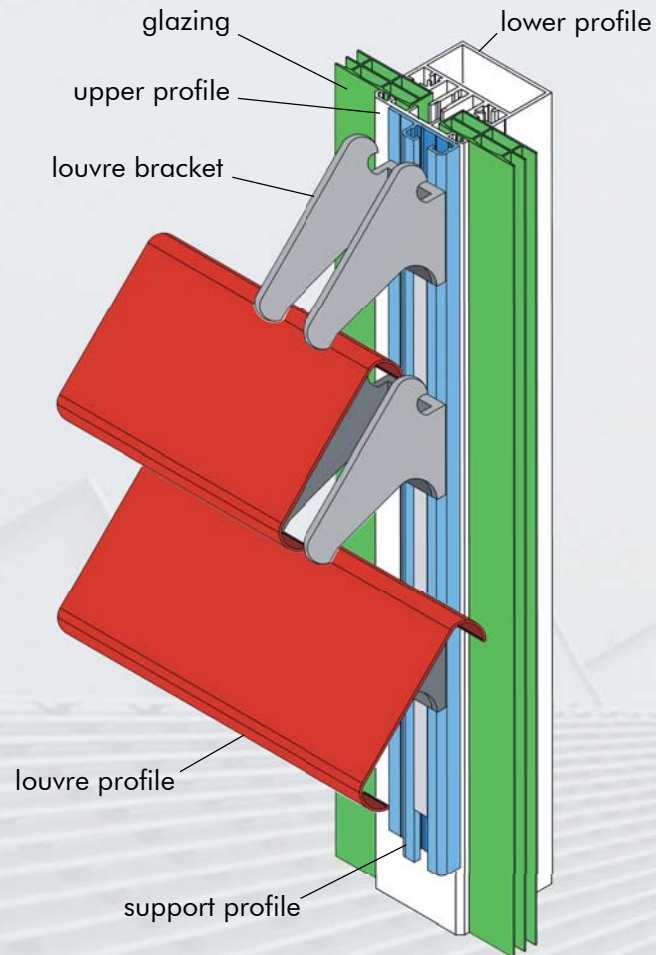
- Pleasant temperature in the working area resulting in more productive employees
- Glare-free ambient lighting (important at computer workstations)
- Up to 30% lower air-conditioning costs
- Low weight and easy mounting on old and new buildings
- The louvres can be set at various angles



The DELTALIGHT solar shading consists of aluminium louvres, which are mounted on the side facing the sun in order to shade against direct sunlight in summer. Thanks to the lucky fact that the sun does not rise more than 17° above the horizon in winter, it is still possible to profit from its thermal output during these months as it can shine almost unchecked through the louvres at an angle that does not cause glare.

Solar shading

The individual louvres are mounted in brackets on the glazing bars of the DELTALIGHT. The brackets are inserted into an extruded aluminium support profile screwed to the upper glazing bar of the DELTALIGHT. This allows the system to be retrofitted.



South side shaded DELTALIGHT



Asymmetrical DELTALIGHT with shading