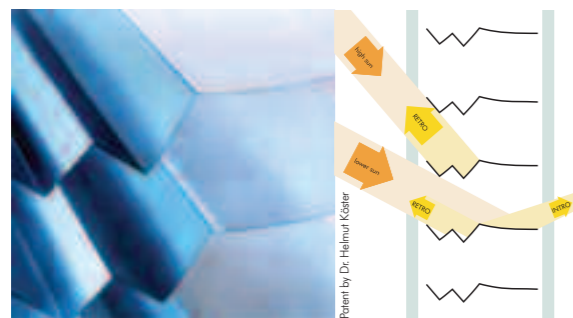




# Daylighting

To meet the twin pressures of reducing carbon and improving workplace ergonomics, daylighting technologies can be part of the solution. In simple terms, these are a range of products and technologies that can increase the daylight factor\* in any space, which will therefore reduce the amount of artificial lighting used. If applied properly, they also contribute to a higher quality of light.



## Internal blinds

Instead of standard blind systems, daylighting blinds are designed to reflect light further into the room without increasing direct solar glare.

## External louvres

These come in a wide variety of designs, shapes, materials and sizes. However, the most efficient technology is a dynamic prismatic louvre that moves with the angle of the sun to reject direct sunlight whilst transmitting diffuse light.

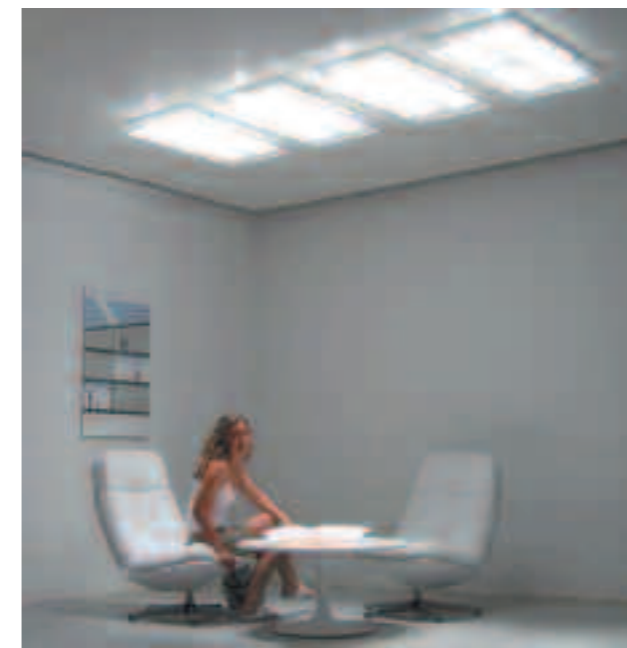
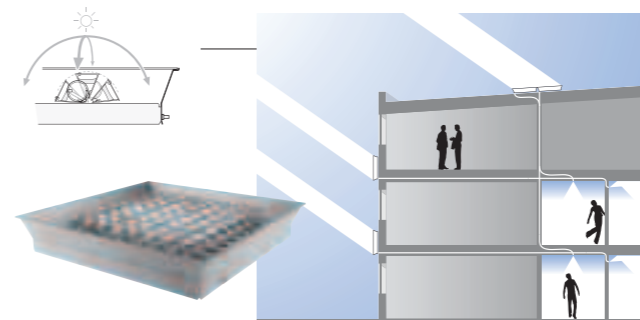


## Fabric and shading

Large areas of glazing need solar control to make them acceptable near working space. This is often in the form of moveable shading or fixed fabric structures.

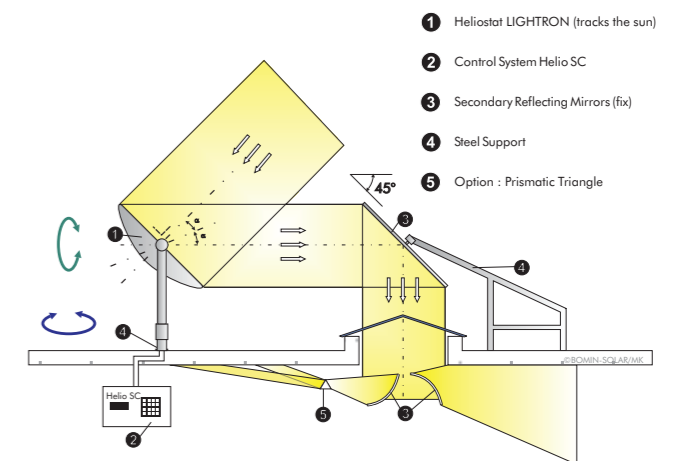
## Sun collectors

These are often simple rooflight domes mounted on a reflective sunpipe, which can be effective for certain types of building. More sophisticated systems use fibre optics to transport light from optical light collectors which track the sun.



## Mirror systems and heliostats

Heliostats are suntracking mirrors, which normally operate at great accuracy, to maximise the efficiency of mirror systems. Mirrors have been around for millennia, but the new technology makes them an effective method of daylighting space where direct sunlight will not reach.



Clearvision has associations with some of world's leading daylighting companies and can advise on the most appropriate systems for a project requirement. Please speak to our technical department.

\*Ratio of daylight level on the working plane to the same plane outside