

Brilliant “incidence of light” for optimal natural lighting of buildings.



Light dispersing (LS)



Rhenoplast®
the translucent panel

Rhenalux®
the ventilation light ridge

Rhenotop®
the industrial light ridge

Rhenatherm®
the insulating light system

Equitation centre Massener Heide e.V.
Rhenoplast®.

The non plus ultra: daylight

Daylight is very important for ensuring natural lighting of any building providing a healthy indoor atmosphere and climate. Both humans and animals are highly dependant on natural light. Not only outdoor, but also at their indoor "places of work". In any case, when designing a building the maxim to go by is to let in as much bright natural daylight as possible. This principle provides the basis for any FDT light system.

Light dispersion

LS is a special formula material. Incoming light is dispersed as if through a thousand tiny lenses. At an angle of almost 180° the light will be evenly spread even to the most remote corners, thus automatically ensuring optimal lighting of the building. However, LS can do even more.

New light dimensions

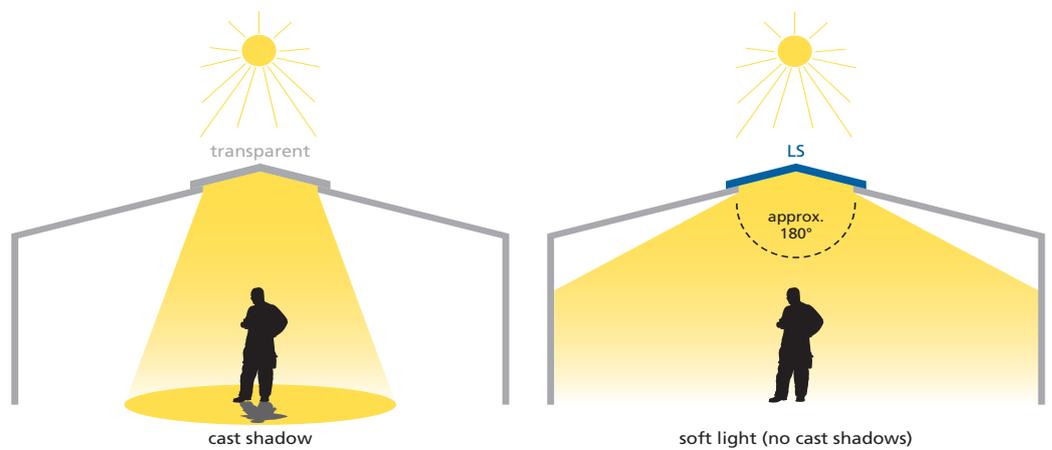
With the invention of the light dispersing material LS, FDT has been promoted to a new league of lighting systems. This material for translucent panels **unparalleled** on the market offers unprecedented advantages.

Light transmission

The transmission coefficient of transparent material is slightly higher, however, LS provides a far better light efficiency.

ADVANTAGES

- LS means optimal daylight efficiency – ensuring brightness in the most remote corners of the building
- LS means light dispersion as if through a thousand tiny lenses
- LS is an R&D product of FDT
- LS is unparalleled on the market
- LS avoids dazzling effects and cast shadows
- LS reduces the development of heat inside
- All FDT light systems are available as LS



No cast shadows or dazzling effects

LS prevents cast shadows and, to a great extent, dazzling effects.

Significant reduction of temperature

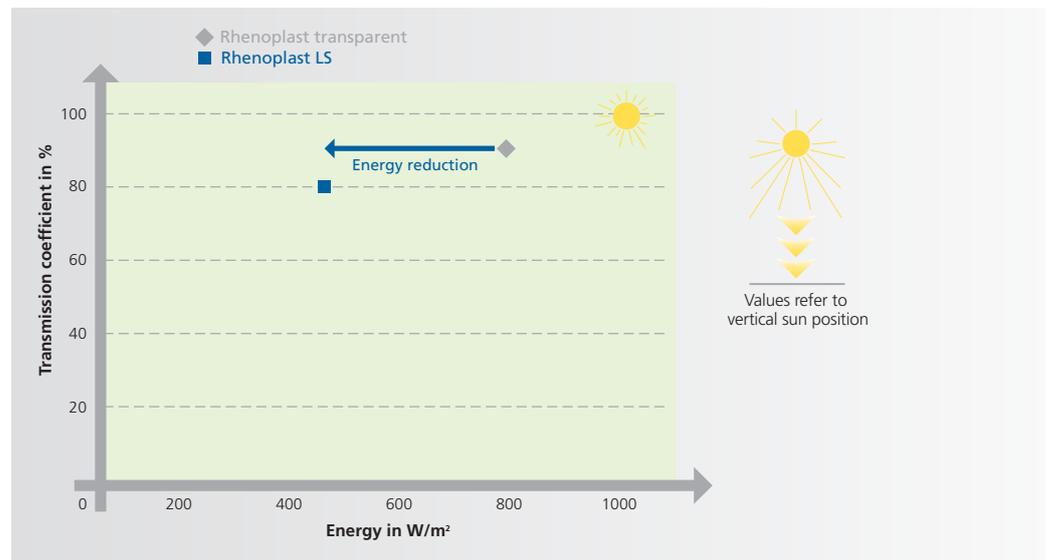
Despite the enormous light efficiency nobody will work up a sweat. The smart LS material efficiently prevents rising temperatures, which means not only increased comfort for humans, but is also relevant for animal welfare.



Optimal natural indoor lighting.
LS always can do better.

FDT light systems in light-dispersing design

Highly efficient temperature reduction.



For all FDT light systems

Whether Rhenoplast, Rhenalux, Rhenotop or Rhenatherm: all FDT light systems are available as LS. Without any ifs and buts.

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