

The special geometry of perpendicular prisms in this product solves efficiently: beam splitting, ray deflection, total reflection of perpendicular incident light and much more.

Key features

High transparent 90 degree microstructured prism sheet

Highest possible efficiency

Polycarbonate (PC) upon request for advanced fire safety regulations

Applications

Total deflection of perpendicular light

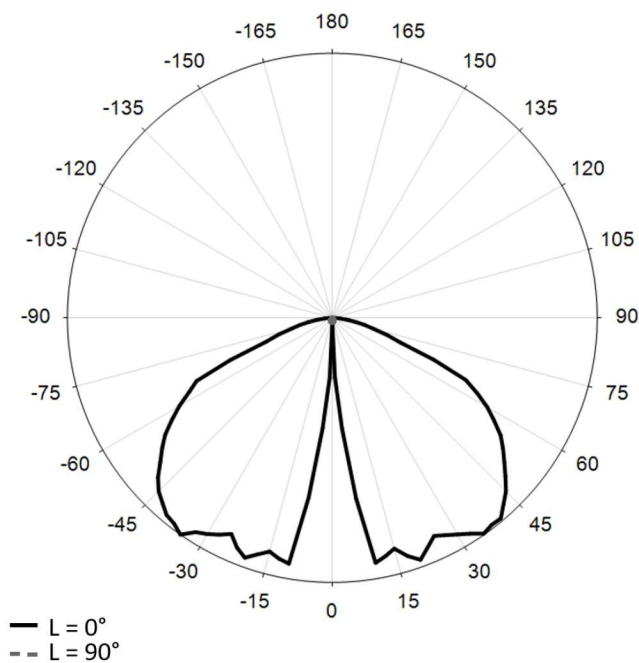
Cut-off of direct sunlight (sun protection)

One axis beam splitter in luminaires (batwing distribution)



In collaboration with:

JUNGBECKER



Light distribution according to simulation
(luminaire 98 mm x 1245 mm)

LDT file available upon request

Product data

Standard Material	PMMA (acrylic) PC upon request
Temperature range	-40 °C up to +80 °C (acrylic) -40 °C up to +120 °C (PC)
Transmittance (D65)	92% (acrylic clear)
Thickness	3 mm (2.5 up to 6.0 mm upon request)
Dimension	max. length 1520 mm max. width 590 mm
Prism pitch	1 mm
Refractive index	1.491
Efficiency	> 95 % (in typical LED luminaire)
Customization options	specific cuts and optional profile edge treatment