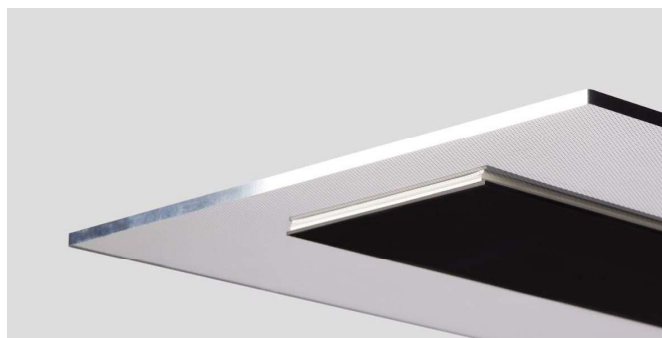
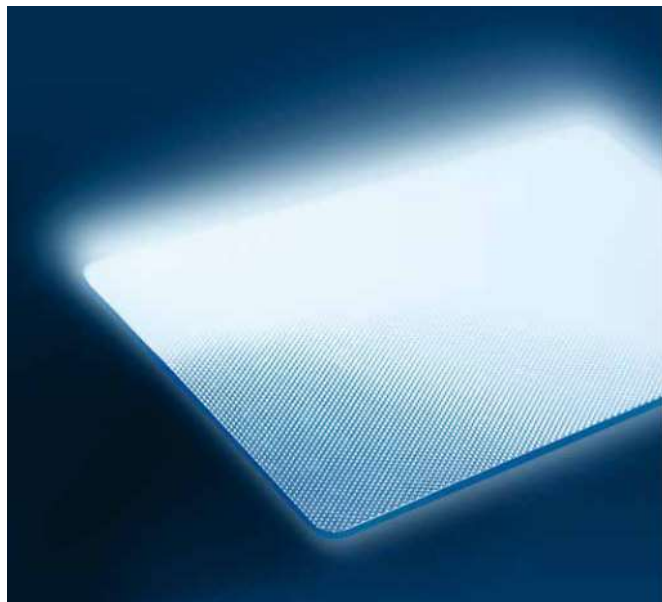


Light Guide Prismatic Plate



LGP decouples light which is fed into the sheet from the sides across the surface area by the integrated prismatic optics. The optical structure is not acting as a diffuser but uses reflection and refraction of the micropisms. The direct portion of the light is usually also de-glared, for highest visual comfort.

Key features

LGP decouples light fed in from the edge, uniformly and directed across the wide surface area

Light extraction through a calculated combination of light refraction and total internal reflection of the integrated optical elements

About 40 % of light indirectly in a batwing (structured surface)

About 60 % downlight, de-glared (smooth surface)

Transparent, brilliant look when not lit

Efficiencies up to 93 %

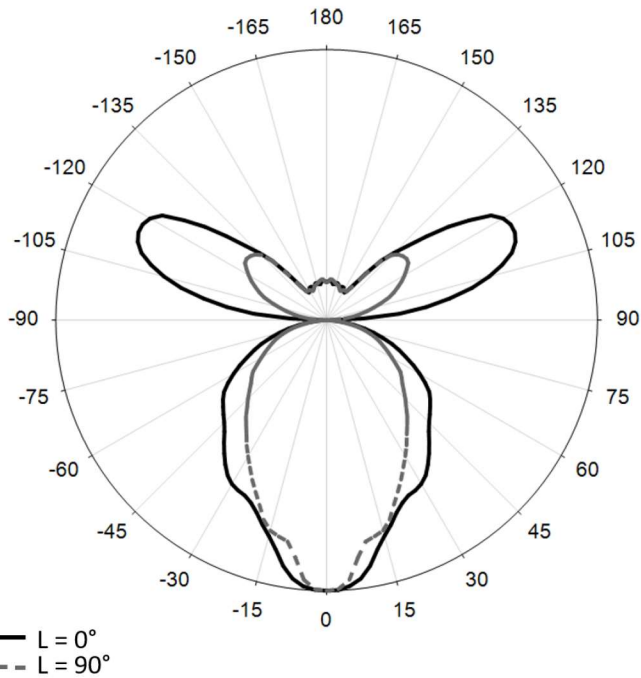
Ultra-thin fixture profiles

We offer diffuse and specular edge coating on our LGPs in the highest quality.

Customer specific options available

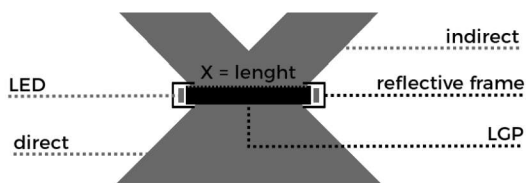
In collaboration with:

JUNGBECKER



Light distribution according to measurement
(luminaire 580 mm x 580 mm, LED coupling from two sides)

LDT file available upon request



Product data

Standard Material	PMMA (acrylic)
Temperature range	-40 °C up to +80 °C
Transmittance (D65)	92%
Thickness	3 - 6 mm (8mm upon request)
Dimension	max. length 1490 mm max. width 620 mm
Customization options	specific cuts and optional profile edge treatment

Best efficiency & homogeneity

LED coupling from two sides, for efficiency >90% & max. homogeneity		
thickness [mm]	LGP standard (X)	LGP slim (X)
3	150 - 300 mm	200 - 450 mm
4	175 - 350 mm	300 - 600 mm
5	200 - 500 mm	350 - 600 mm
6	250 - 600 mm	> 600 mm