



Highly directed and precisely controlled emission of light is of great importance for the efficient application of high-performance LED chips. Arrays of micro lenses have shown tremendous potential for solutions of these specific areal arrangements. Whether you are looking for aspherical hexagonal or squared convex arrays, our customer specific tooling options offer a wide range of customisation options while maintaining maximum efficiency. Lens diameter, focal length, fill factor, radius of curvature, one or double-sided structuring as well as unique arrangement patterns are all within your range of choices for this product.

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	customer specific
Dimension	customer specific max. length 1500 mm max. width 600 mm
Pitch	customer specific
Refractive index	1.491
Efficiency	> 95 % (in typical LED luminaire)
Customization options	specific cuts and optional profile edge treatment

In collaboration with:

JUNGBECKER