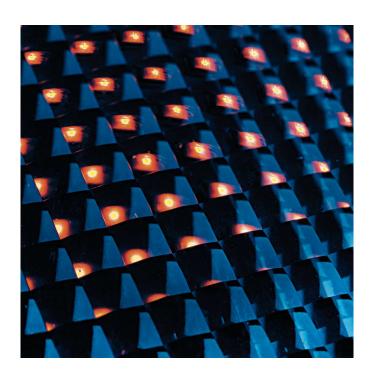
Customized Optics Product Information

Microlens-Arrays



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. Wether 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