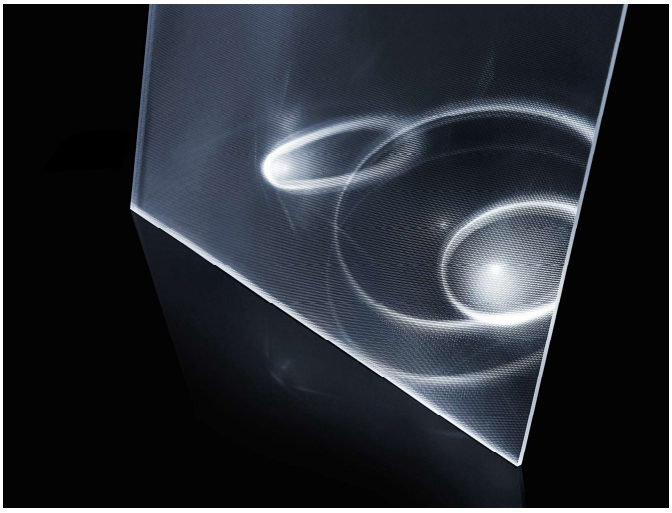
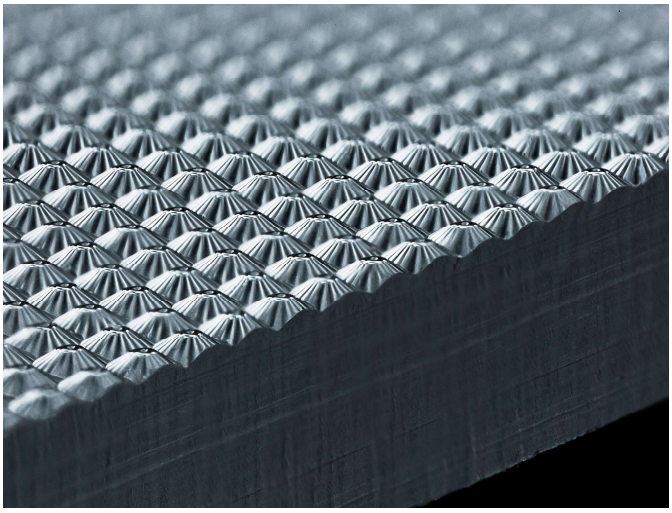
Optics Data Sheet

microCDP

Micro Conical De-glaring Prism





microCDP is a unique product providing an outstanding de-glaring performance with an invisible structure. Prisms are designed as cones providing exclusive geometric features optimized with our very own numerical algorithms. High efficiency, smooth de-glaring characteristics and an opal appearance are the key features of our microCDP.

Key features

High transparency microstructured prism sheet with an invisible appearance

Thin material thicknesses possible

Unique and homogenous glare reduction

Highest possible efficiency

Smooth de-glaring with opal appearance for lighting applications with UGR < 19

Optional grey coloured material to increase the de-glaring effect

Ideal for illumination of workstations

Suppresses high-angle light >65° to reduce visual glare while increasing on-axis light (“gain”)

Enables luminaires to comply with EN12464 glare specifications

Polycarbonate (PC) upon request for advanced fire safety regulations

Structure also available in extruded profile geometries

In collaboration with:

JUNGBECKER

INTER TEK TRADING

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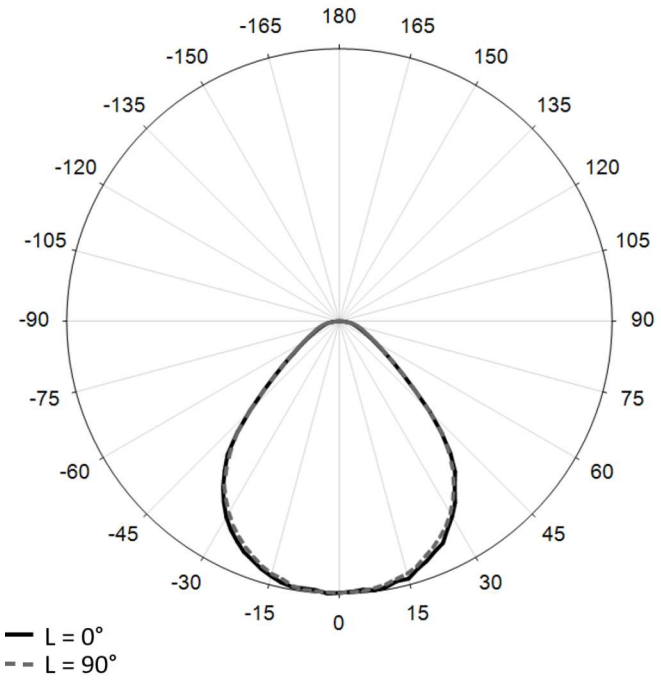

Light distribution according to measurement
(luminaire 580 mm x 580 mm)

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	2 / 1.5 mm
Dimension	max. length 1270 mm max. width 620 mm other dimensions upon request
Refractive index	1.491
Efficiency	> 95 % (in typical LED luminaire)
UGR (ref)	UGR (4H/8H) = 18.1 5500 lm output Light output area: 580 mm x 580 mm
Customization options	specific cuts and optional profile edge treatment

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