

The CDP is a unique product that provides an outstanding de-glaring performance. 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 CDP.

Key features

high transparency microstructured prism sheet

unique and homogenous glare reduction

highest possible efficiency

smooth de-glaring with opal appearance

for lighting applications with UGR < 19

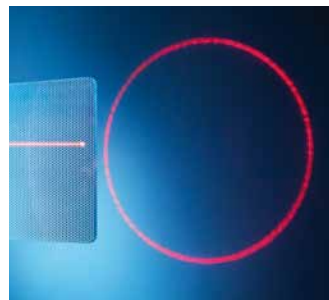
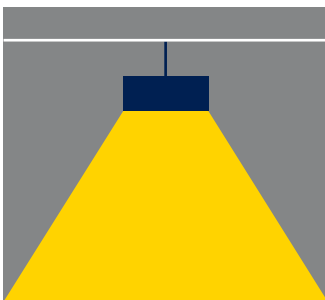
optional grey coloured material to increase the de-glaring effect

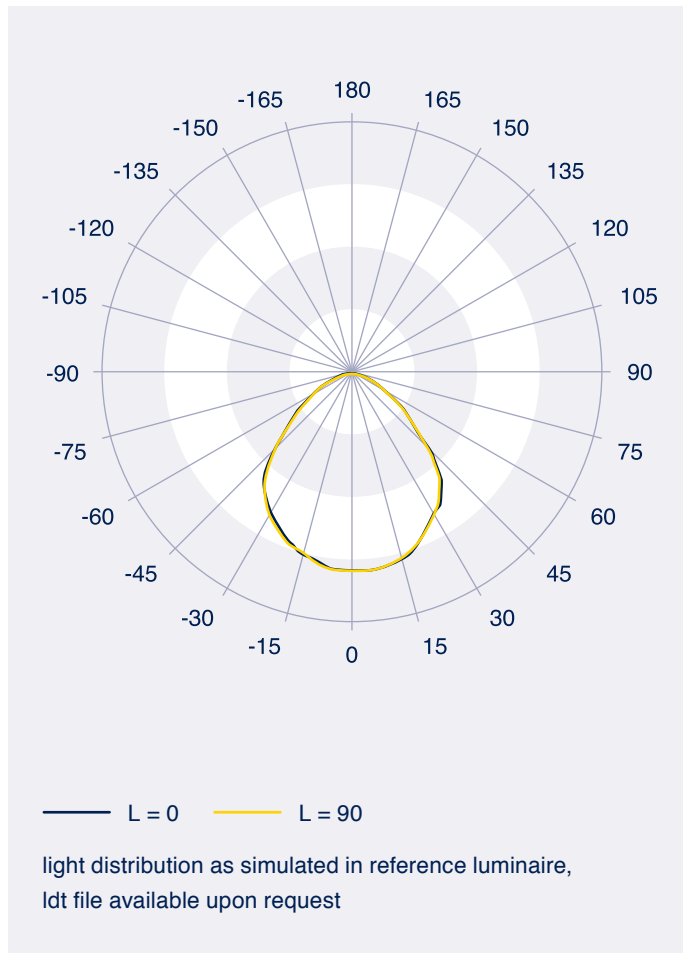
ideal for illumination of workstations

suppresses high-angle light above 65 degrees 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





Product data

standard material	PMMA clear (acrylic) PC upon request
available size	rectangle up to 1500 mm x 600 mm square up to 600 mm x 600 mm customer specific cuts and optional profile edge treatment (milling)
thickness	3 mm (2.5 up to 6.0 mm upon request)
cone diameter	2 mm
refractive index	1.491
transmittance _{D65}	92% (acrylic clear)
efficiency	> 95% (in typical LED luminaire)
temperature range	-40 °C up to +80 °C (acrylic) / 120 °C (PC)
customization options	development of prismatic microstructures for your specific applications, tooling and series production