

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

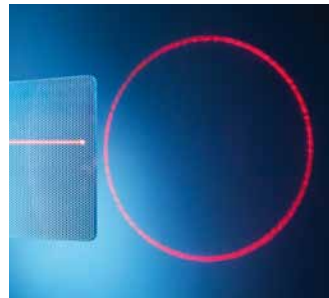
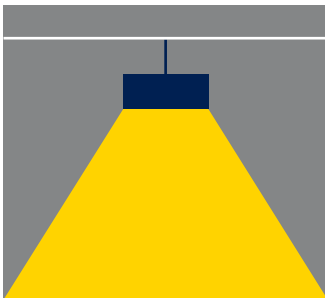
optional grey coloured material to increase the de-glaring effect

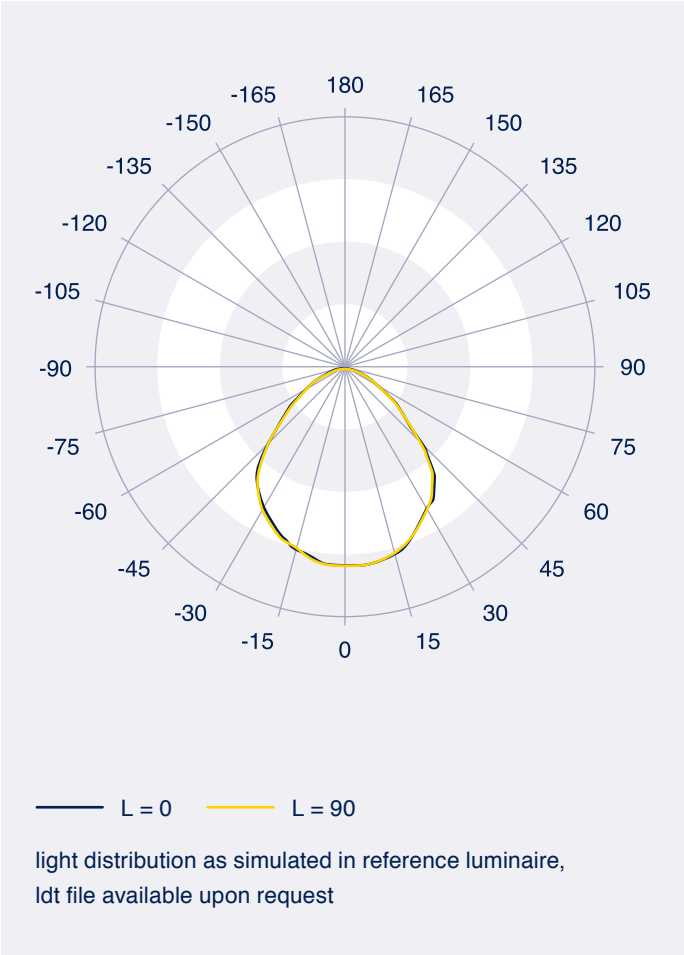
ideal for illumination of workstations

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 |