

The DDP prism structure offers an outstanding de-glaring performance with a reduced material thickness of 2 mm only. Concave surface structures and continuous cell connectors provide almost the same mechanical stability as the proven structures in 3 mm thickness. The reduced height and less weight enables even slimmer lighting solutions.

Key features

outstanding de-glaring performance with a reduced material thickness of 2 mm

almost identical mechanical stability as 3 mm thickness due to concave structures and continuous cell connectors

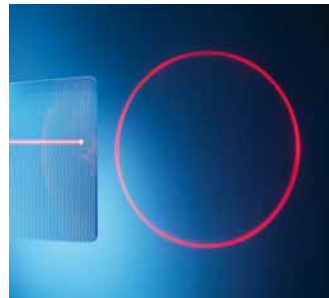
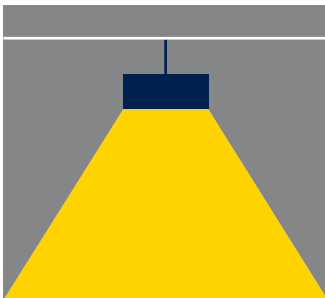
highest possible efficiency

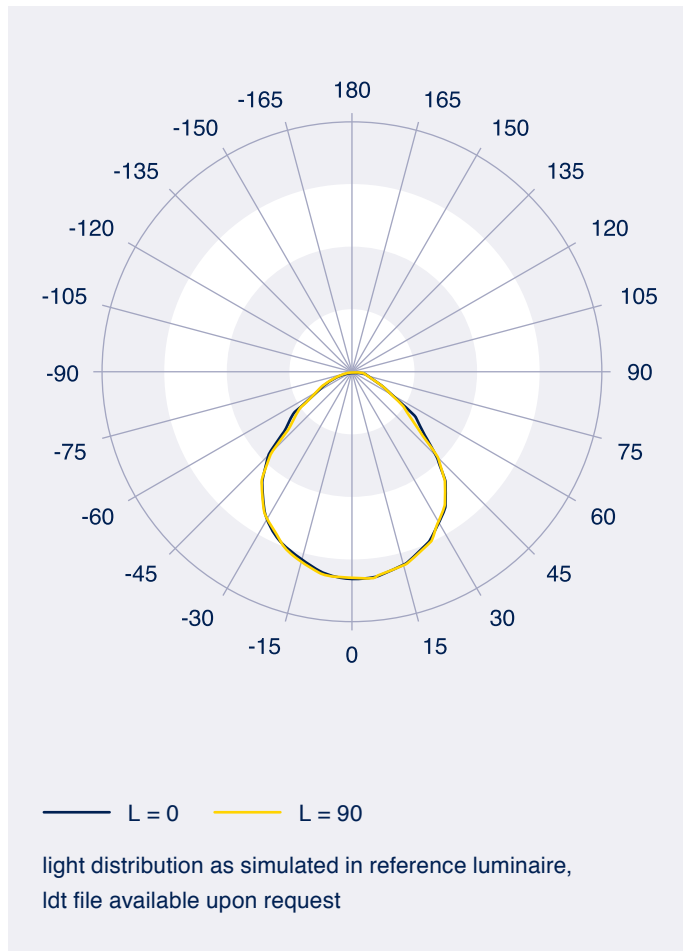
for lighting applications with UGR < 19

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





Product data

| | |
|------------------------------|--|
| standard material | PMMA clear (acrylic) |
| 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 | 2 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) |
| customization options | development of prismatic microstructures for your specific applications, tooling and series production |