

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

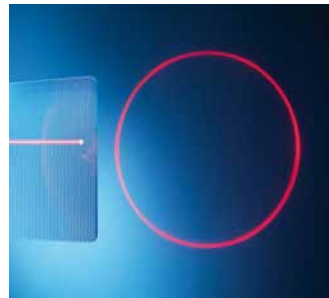
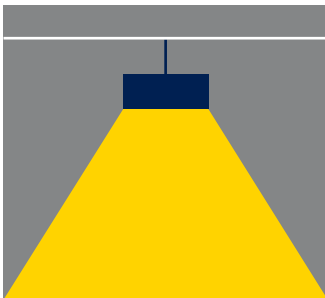
highest possible efficiency

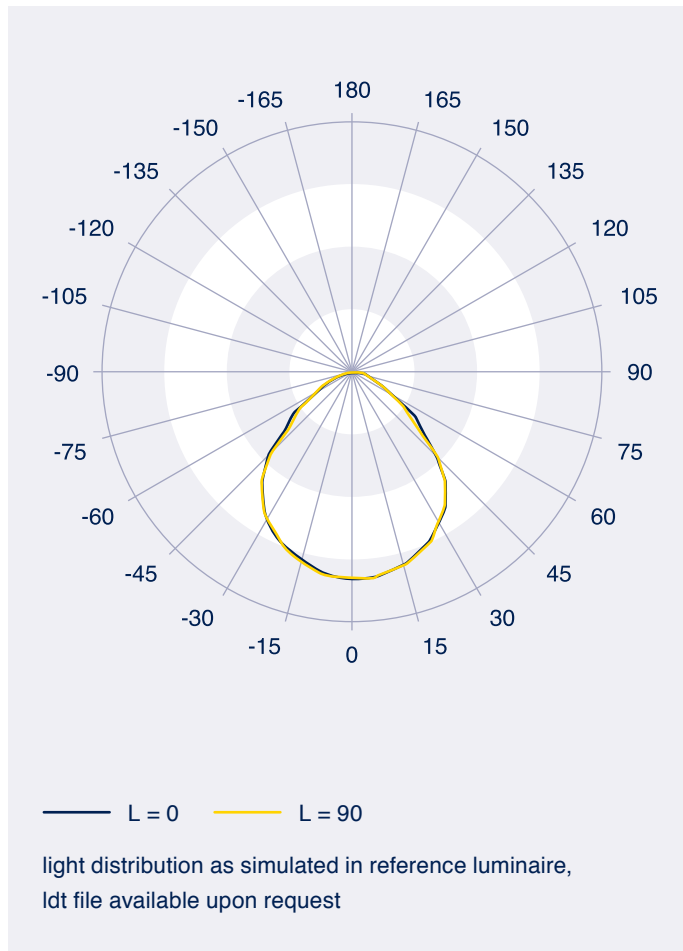
for lighting applications with UGR < 19

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