



CDPS is an enhanced conical prism structure that offers even more effective de-glaring in the plane of the sheet when compared to the standard CDP structure. The CDPS is used specifically in combination with a plane transparent sheet underneath the structured side, thus offering an even stronger de-glaring as well as a smooth outside surface and therefore less sensitivity towards dirt and staining with easy cleaning. This is especially beneficial for medical or other hygienic applications.

Product data

standard material	PMMA clear (acrylic) PC upon request
available size	rectangle up to 1500 mm x 300 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