

Our exPress technology is based on the well known hot embossing production technology. exPress technology offers the combination of extruded profile geometries and unique precision for an outstanding de-glaring performance. In fact, the expensive approach of sliding in foil or microstructures for light control can be substituted by one single product.

Key features

High transparency microstructured profile

Unique and homogenous glare reduction

Highest possible efficiency

Smooth de-glaring for lighting applications with UGR < 19

Ideal for illumination of workstations, linear luminaires

Suppresses high-angle light >65° to reduce visual glare while increasing on-axis light ("gain")

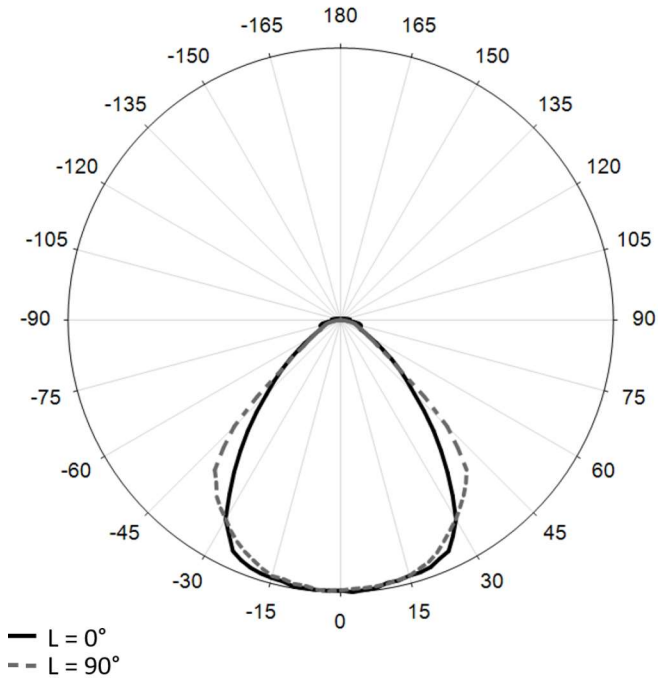
Enables luminaires to comply with EN12464 glare specifications

Acrylic (PMMA) for highest transmissions or polycarbonate (PC) for advanced fire safety or mechanical requirements

Customer specific profile length

In collaboration with:

JUNGBECKER
elkamet



Light distribution according to simulation
(luminaire 72 mm x 1200 mm)

LDT file available upon request

Product data

Standard Material	PMMA (acrylic) PC (polycarbonat)
Temperature range	-40 °C up to +80 °C (acrylic) -40 °C up to +120 °C (PC)
Transmittance (D65)	92% (acrylic clear)
Thickness	1 - 2 mm
Dimension	max. length 3000 mm max. width 100 mm
Refractive index	1.491 (PMMA) 1.586 (PC)
Efficiency	> 95 % (in typical LED luminaire)
Customization options	specific cuts and further processing