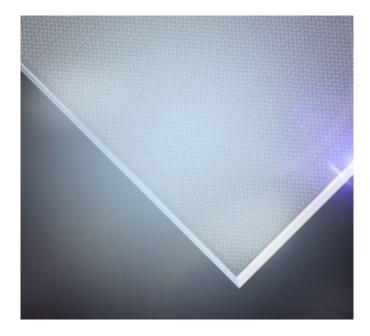
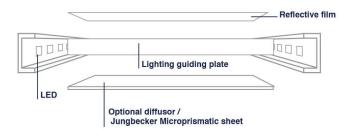
Optics Data Sheet





In collaboration with:



Laser Engraved Light Guide Plates (RDE90)

Customized Solutions

Intertek Trading develop and manufacture this versatile Light Guide Plate, in collaboration with our partner SEWON, to fit a wide range of fixture geometries, with quick turnaround and no tooling charges. The base material is ideally PMMA, with a laser engraved side and one side unstructured. The pattern can be optimized to sizes up to 2.200mm x 1.250mm with high optimized light output efficiency and homogeneous light surfaces. When combined with BrightWhite reflectors material and Jungbecker microprismatic sheets, a wide range of possibilities emerge for managing light, including delta distributions, Lambertian illumination, and others. Light Guide Plates (LGPs) provide a flexible solution for edge-lit luminaires.

Key features

Optimized pattern for sizes up to 2.200mm x 1.250mm

Custom sizes available

LED input from one- or two sides

Ideally for combination with Jungbecker prismatic sheets for e.g. de-glaring (e.g. CDP)

For different shapes and geometries with optimized light output efficiency and homogeneous light surfaces, without tooling costs.



Product data

Standard Material PMMA (acrylic)

Temperature range -40 °C up to +70 °C

Transmission 92%

Thickness 3 mm (4 & 5 mm upon request)

Dimension max. length 2400 mm

max. width 1200mm custom sizes available

Efficiency >80%

INTER TEK TRADING