



The new enhanced technology of edgelit light guiding prism sheets offers individual solutions for a wide range of LED based lighting applications: from office lighting with regulation compliant de-glaring performance to glare-free street lighting up to shadow free workbench illumination and many more. Customer specific optimisation of the light decoupling elements in combination with a variety of different form factors allow for truly unique products with highest efficiency and a transparent appearance.

Key features

LGP decouples light uniformly and directed across the wide surface area. Light can be fed in from the edge, over the surface or in a customer specific variation

Light extraction through a calculated combination of light refraction and total internal reflection of the integrated optical elements

Customisable ratio of direct / indirect portion of the light

Transparent look when not lit

Homogeneous light output and maximum efficiency by optimized structure placement

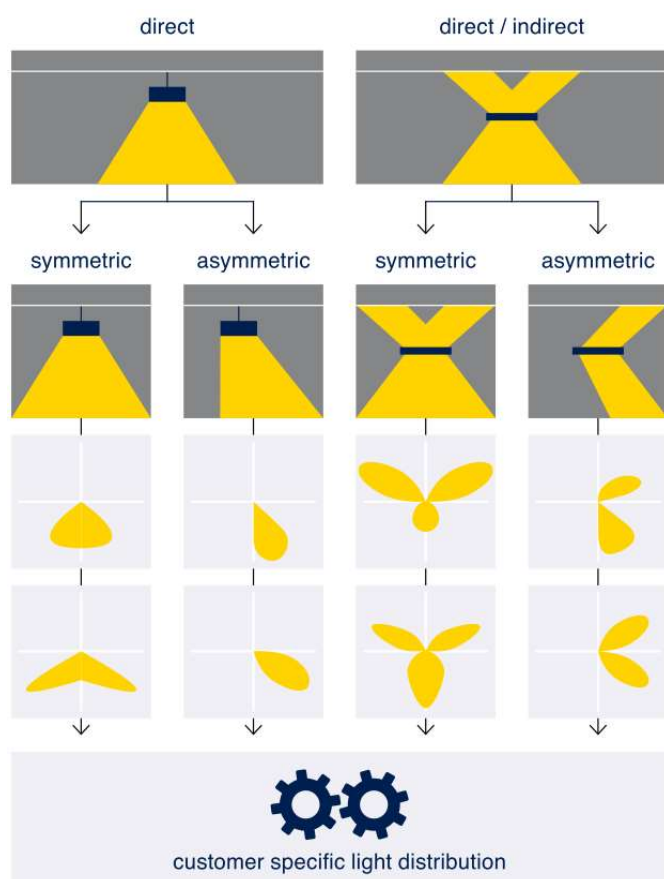
Efficiencies up to 93 %

Ultra-thin fixture profiles

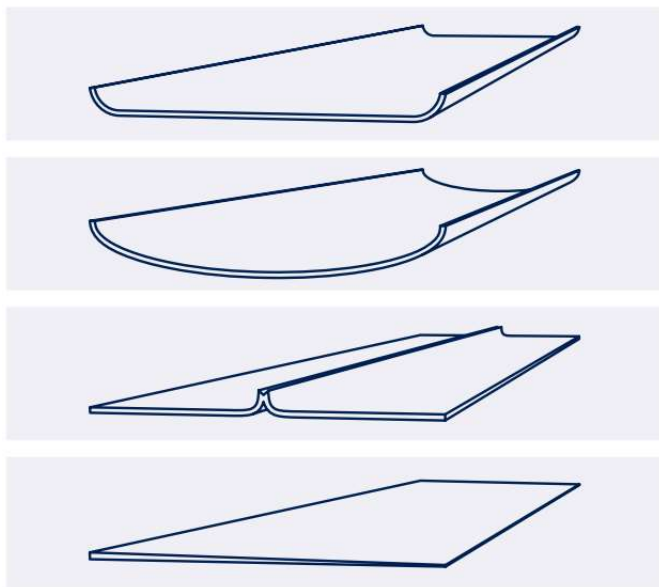
We offer diffuse and specular edge coating on our LGPs in the highest quality.

Product data

| | |
|-----------------------|---------------------|
| Standard Material | PMMA (acrylic) |
| Temperature range | -40 °C up to +80 °C |
| Transmittance (D65) | 92% |
| Thickness & Dimension | customer specific |



Customized Optics Product Information



Edgelit Technology

Design options

We offer a wide array of different form factors and customised tooling options. Aside from purely aesthetical reasons, shapes and geometries can add significant functionality and thus create a truly unique design.

The combination of a wide range of form factors and the development of customized extraction features allow for an extra amount of design freedom when shaping your product. Density, depth, shape and number of structured sides are all variable.

Possible applications

Street, railroad and pathway lighting

Parking garage lighting

Office Standing

Workspace illumination

Pendent luminaire

Recessed luminaire

Industrial and machine lighting

In collaboration with:

JUNGBECKER

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