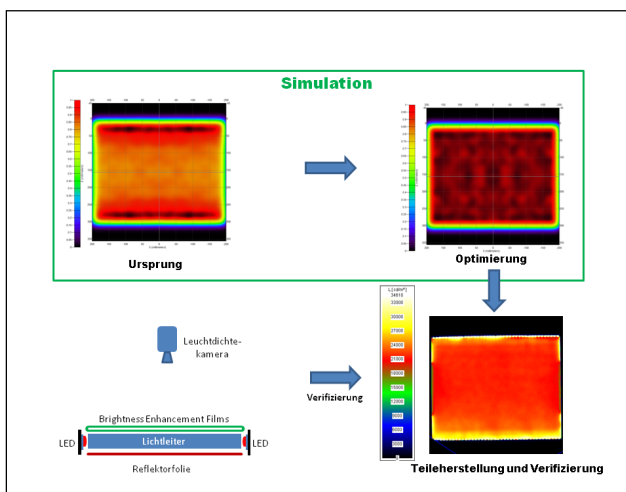


# LIGHT GUIDES FOR HOMOGENEOUS ILLUMINATION

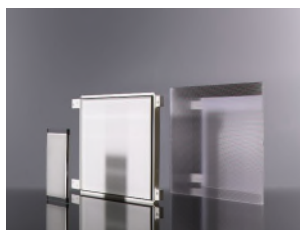
In a variety of applications, e.g. for backlighting of displays or for decorative luminaires, an even distribution of light is of major importance. We offer our partners the development and fabrication of light guides for a homogeneous illumination with a high lumen yield.

In order to do so, we calculate in an iterative process a special pattern of light diffusing dots and apply it by use of silkscreen printing onto the plastic component.

This process enables us to consider different parameters, e.g. the light source, and to manufacture individual as well as customized light guides, which are optimized for the specific application of the customer.



Beyond this we provide optical films to increase the light output and offer the assembly of complete backlight modules under clean-room conditions.



## Advantages:

- special designs possible
- different thicknesses and dimensions
- wedge-shaped or plano components
- different light sources (e.g. LED, CCFL) can be used
- consideration of position of light source
- assembly of complete backlight modules incl. necessary films



Engineered to Manage Light™

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