

KOENEN Precision Screens for LEDs



The application of **KOENEN** precision screens enables the production of efficient white LEDs. A highly homogeneous paste deposit builds the converter layer necessary for producing functional white LEDs.

Product characteristics

- Homogenous paste deposit with smooth surface
- High printing accuracy
- Stable printing process
- Constant layer thickness (aspect ratio)
- Can be combined with KOENEN: Life Time, Trampolin® and Functional surface coating technologies

Fields of application

- Automotive industry (i.e. headlights)
- Electronic industry (LED backlight)
- Lighting industry (LED light bulbs, LED light bands)

Cost reduction due to:

- **High aspect ratio**
- **High Life Time**
- Homogeneous print **increases performance** of LEDs
- **High production yield**



KOENEN precision screen for the production of LEDs - LED Chip on Board (below)



Schematic representation of aspect ratio and smooth surface area achieved with KOENEN precision screens



Schematic representation of functionality of a LED

