

## Webinar | How to transform light sources into groundbreaking photonic applications

Nov 30, 2023

Tuesday, Dec 5, 2023, 2:00 PM GMT (10:00 PM China), Mr. Dirk Hauschild from Focuslight presented at Electro Optics, giving an online talk about how to transform light sources into groundbreaking photonic applications.



### Dirk Hauschild

Senior Strategic Marketing Expert at Focuslight. With more than 30 years of experience in research and industry, Dirk Hauschild has led laser technology and micro-optics into a variety of new fields of applications and was responsible for the development and market

launch of novel beam shaping systems for processing and functionalization of materials, coatings and sensing applications.

Previously, he held various senior management positions in product management, sales and marketing for the development and worldwide commercialization of micro-optical components, systems and technologies. He has a diploma degree in electrical engineering from Technical University of Braunschweig, Germany.

Video Link: [Webinar | How to transform light sources into groundbreaking photonic applications \(focuslight.com\)](https://www.focuslight.com/webinar-how-to-transform-light-sources-into-groundbreaking-photonic-applications)

### Summary

The transition from a light source-dominated development into a more application-specific, added-value engineering approach has led to a need to design and integrate micro-optical components with multifunctional surfaces and materials in all photonics products and related design guidelines.

This webinar serve as an orientation, offering a review of the substantial trends surrounding designing and producing light-shaping components that could change the way we enable new photonic applications.

Dirk Hauschild provided an introduction and overview of all micro-optical technologies and functional designs and capabilities, and discuss the performance targets and limits of the nature of light and the dimensions of micro-optical functional surfaces and related production technologies.

### Speaker

### 1. 30 Years of Beam Shaping Excellence

Focuslight has more than 30 years of experience in beam shaping and adopts the wafer-level simultaneous structuring process as well as precision molding and cold glass molding technologies to manufacture micro-optical components, enabling high-precision aspheric structures at micro-nanometer scale on various inorganic materials. The free-form micro-optics can realize various beam shaping purposes, such as fast/slow axis collimation, beam coupling, beam homogenization, and beam diffusion for lasers, etc.

### 2. Lean Production & Manufacturing Excellence

Focuslight applies lean manufacturing practices to the company's manufacturing system: our unique wafer-based processing technology produces tens of thousands of lenses from high-grade glass and crystal on a single wafer, with a consistently high level of quality. We have developed and established optical coating capabilities, not only to meet the demand for optical coating of our own products but also to provide optical coating services to

customers. With technology innovation, as well as continuous improvements in applying automation, we keep improving our production efficiency and yield, making us possible to sustainably meet the growing demand worldwide.

## About Focuslight

Focuslight is a fast-growing company that develops and manufactures high-power diode laser components and materials (photon generation), laser optics (photon control), photonic application modules, assemblies, and sub-systems (photonics application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. With our extensive engineering expertise and know-how, Focuslight is dedicated to providing customers with well-matched comprehensive solutions that enable our customers' success in their own businesses. In December 2021, Focuslight announced the IPO on the Shanghai Stock Exchange (Ticker Symbol: 688167). [Focuslight - Never Stop Exploring \(www.focuslight.com\)](http://www.focuslight.com)