COMPANY INTRODUCTION



Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies Inc. is a fast-growing public company (SSE Star Market: 688167) that develops and manufactures high power diode lasers (photon generation), laser optics (photon control), and photonics modules and systems (application solutions) with a focus on automotive, pan-semiconductor, and medical & health application solutions. In 2017, Focuslight successfully acquired LIMO GmbH, and completed the brand unification in January 2022. In January 2024, Focuslight acquired SUSS MicroOptics (now as Focuslight Switzerland). Focuslight owns over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified. Additional information can be found at www.focuslight.com.

Focuslight Technologies Inc.

Email: sales@focuslight.com

OPTICAL SOLUTIONS FOR AUTOMOTIVE **PROJECTED LIGHTING**



Introduction

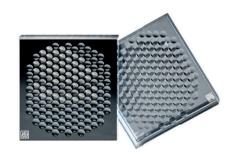
Automotive Projected Lighting projects a custom-designed, bright and easily recognizable light pattern in the cabin or on the street. To achieve such optical performance, our microlens arrays (MLAs) are imprinted on single or multiple bonded glass wafers, which typically incorporate metallic layers to shape the light according to our customer's requirement. Our MLA is illuminated by a collimated light source coming from an LED and a collimator. Below you see a scheme of such a projected lighting system.

In order to achieve technologically advanced system, the MLA design is a critical aspect of the functional performances.

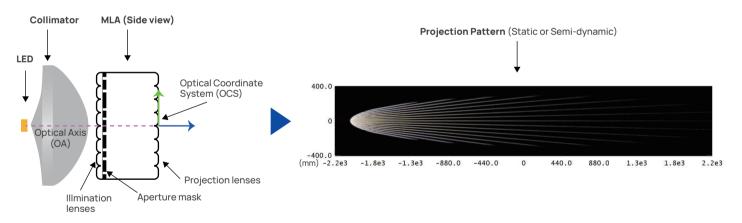




Exterior and Interior Projected Lighting Illustration



MLAs for Projected Lighting



Exterior Projected Lighting System Setup

MLA Advantages for Projected Lighting Application

Slim: Miniaturization (short focal distance) and multiplication

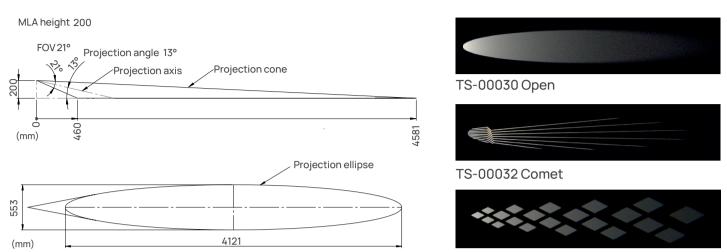
High efficiency: Etendue conservation through multichannel

Sharpness: High depth of field compatible with 3D surface

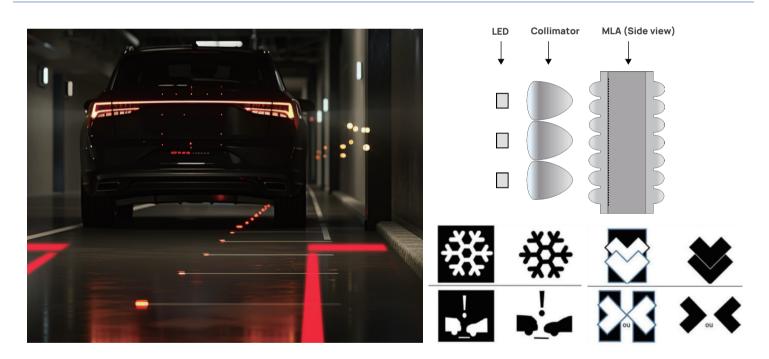
Freedom of design:

- Modular construction
- · Less weight compared to conventional systems

Projection Pattern Examples



Application Example: Safety Projection



Services Offered by Focuslight

If you have a custom pattern that you want to project, Focuslight can support you in various details:

BASIC	INTERMEDIATE
✓ Aperture Mask Design	\checkmark MLA Optimized I
✓ MLA Functional Design	✓ Pattern Optimiz

FOCUSLIGHT

TS-00027 Confetti

mized Design

ptimization

ADVANCED

- ✓ Ghost Image Estimation
- ✓ System Tolerancing