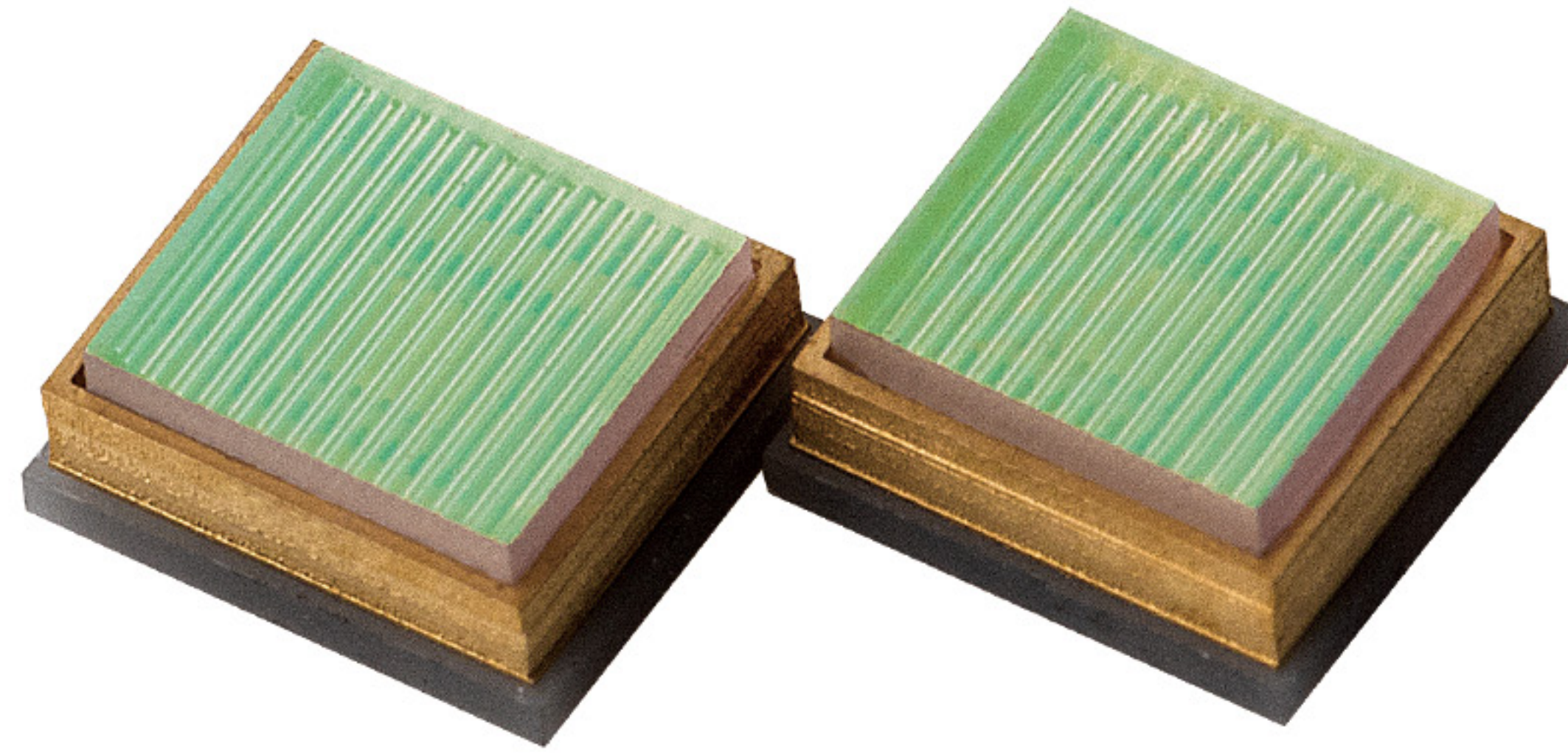


ULTRA-WIDE FOV VCSEL ILLUMINATOR FOR DMS/OMS



AT02 / AT02 Pro

With advantages of ultra-wide FOV, batwing distribution, high resistance to sunlight, high resolution, etc., Focuslight VCSEL illuminator AT02 / AT02 Pro provides high performance and high reliability solutions for DMS and OMS illumination as an upgrade alternative to LED illuminator. It is the preferred illumination solution for automotive-grade DMS and OMS.



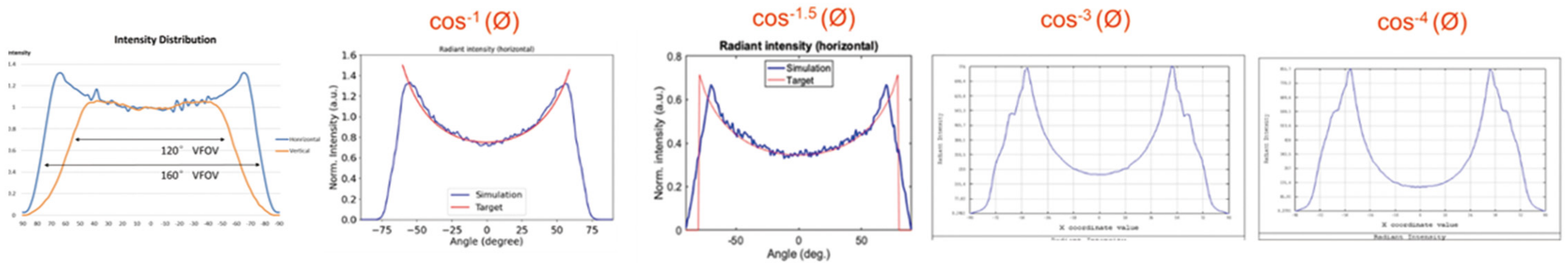
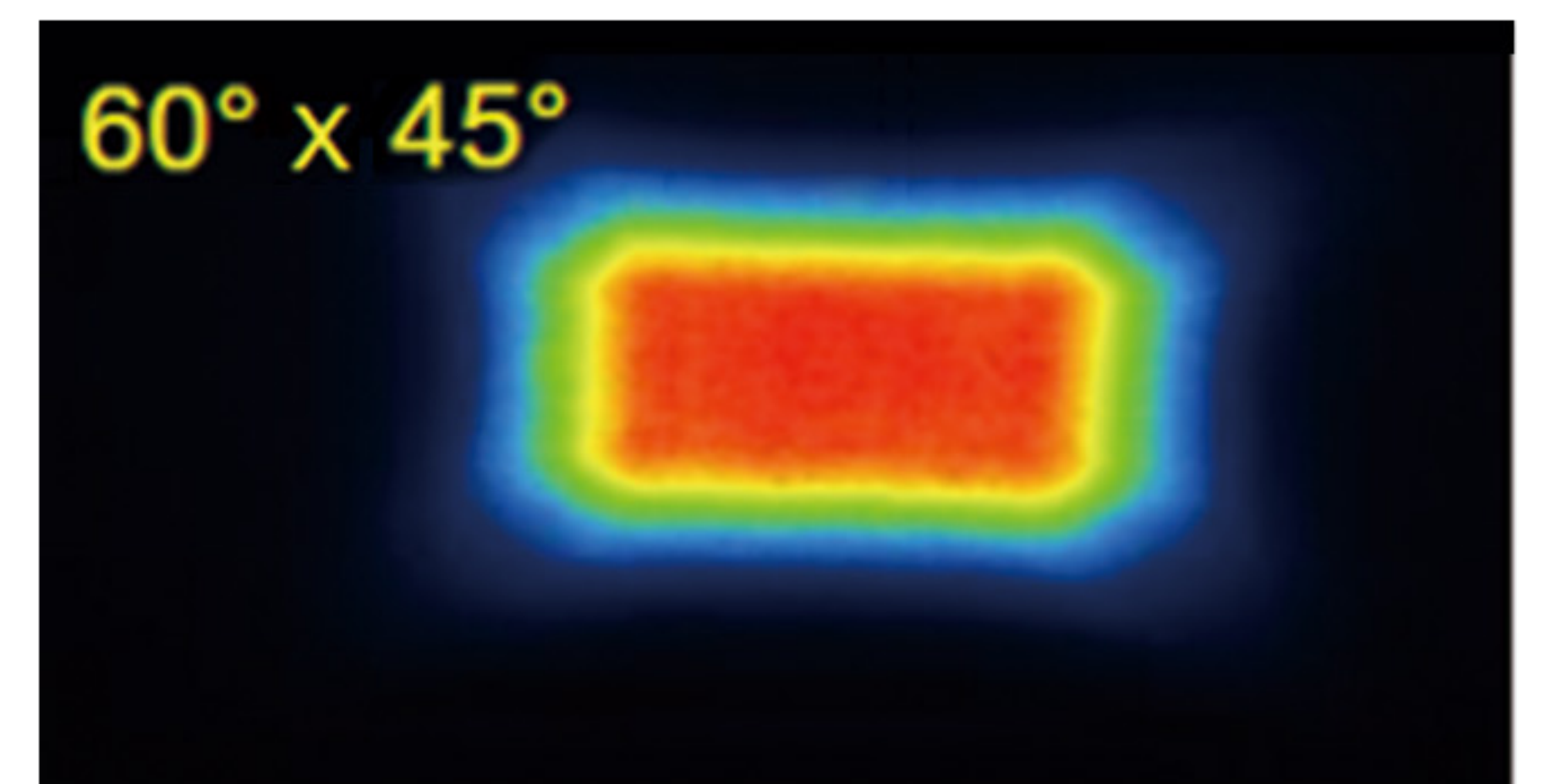
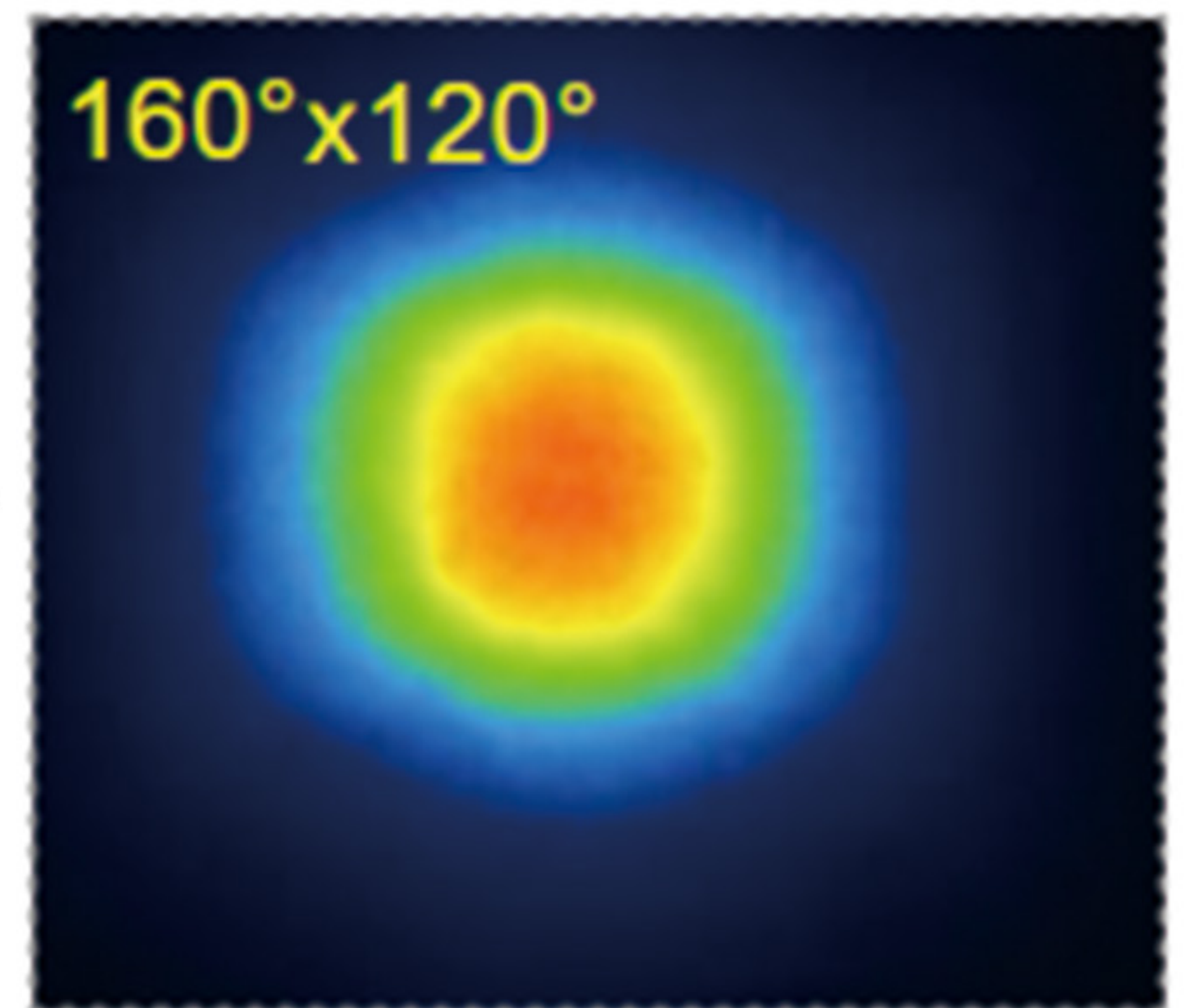
AT02 / AT02 Pro series 3235 copper wall

SPECIFICATIONS

- Peak power: 3 W or 5 W
- Wavelength: 940 nm
- FOV @ FWHM: 160° x 120°, 120° x 20°, 120° x 60°, 60° x 45°, customizable
- Intensity distribution: Batwing distribution ($\cos^{-n}(\theta)$ customizable)
- Operating temperature: -40°~105°C
- Dimension: 3.5 x 3.5 mm/3.2 x 3.5 mm

FEATURES

- Ultra-wide FOV 160° x 120°
- Batwing intensity distribution
- Free of zero-order issue
- Automotive-grade glass diffuser



COMPANY INTRODUCTION

Founded in 2007 and headquartered in Xi'an, China, Focuslight Technologies Inc. is a fast-growing public company (Shanghai: 688167) that specializes in developing and manufacturing high-power diode laser components and materials, laser optics, as well as photonics module and system solutions focusing on optical communication, automotive, pan-semiconductor, and medical and health applications. Focuslight has expanded its global footprint through strategic acquisitions including LIMO GmbH in 2017 and SUSS MicroOptics SA in 2024 (now as Focuslight Switzerland SA). With the acquisition of assets from ams OSRAM in 2024, Focuslight extends its business to be a global photonics foundry by providing global photonics industry process development and manufacturing service under the brand of Heptagon.