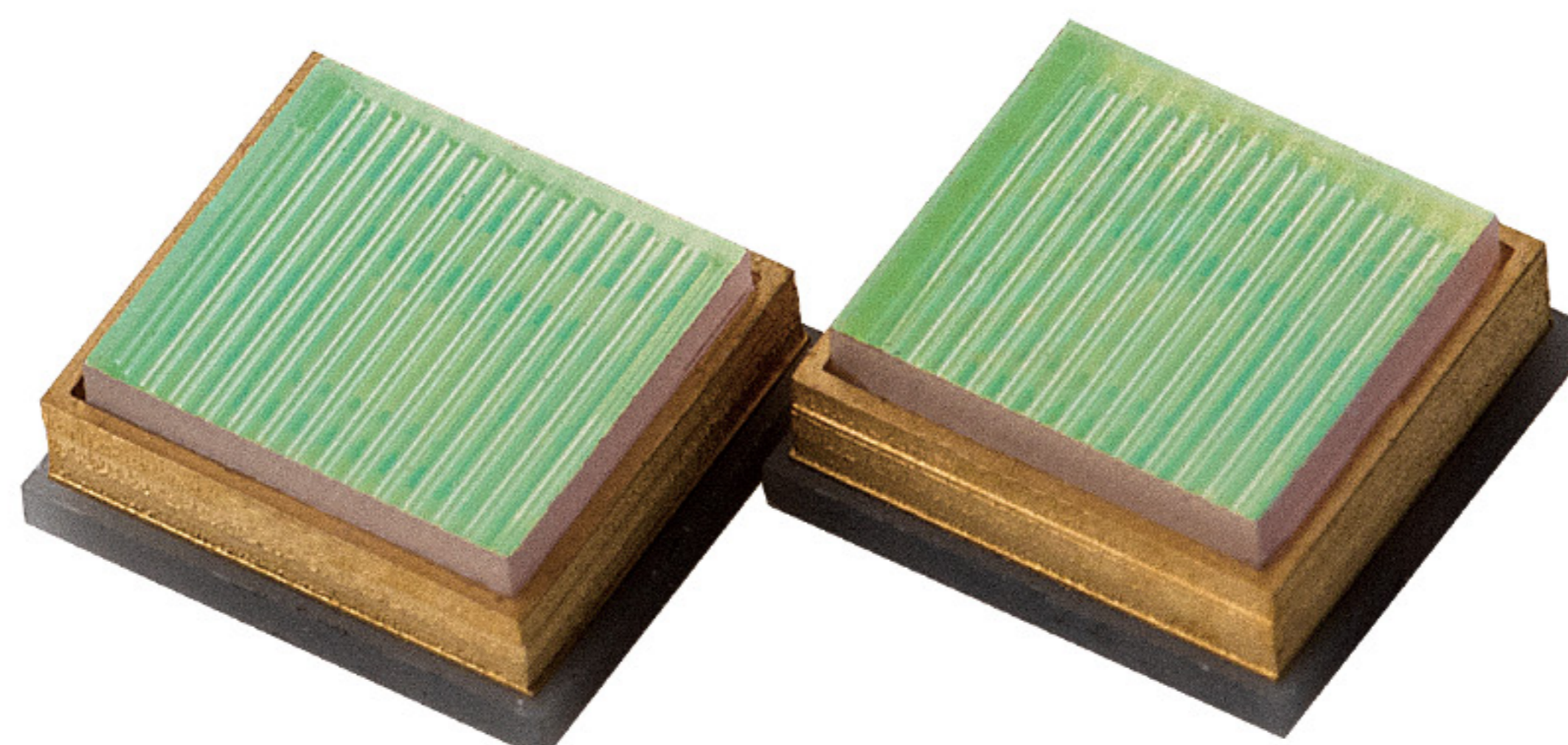


ULTRA-WIDE FOV VCSEL ILLUMINATOR FOR DMS/OMS



AT02

With advantages of ultra-wide FOV, batwing distribution, high resistance to sunlight, high resolution, etc., Focuslight VCSEL illuminator AT02 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.



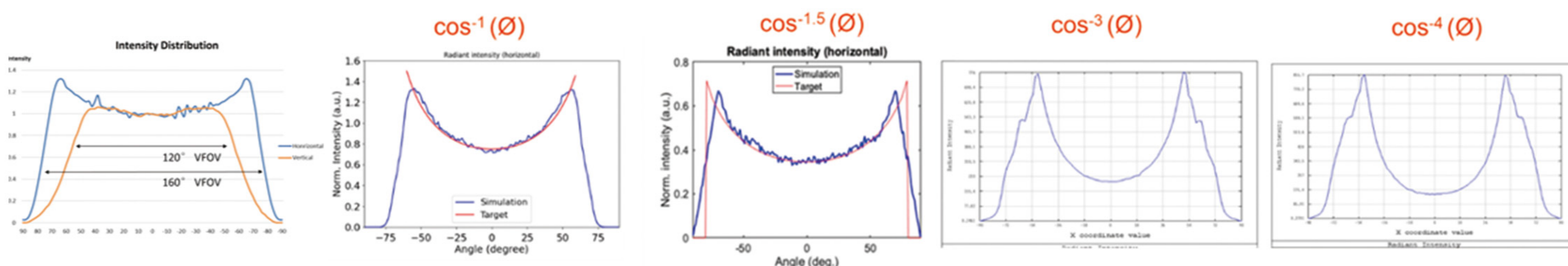
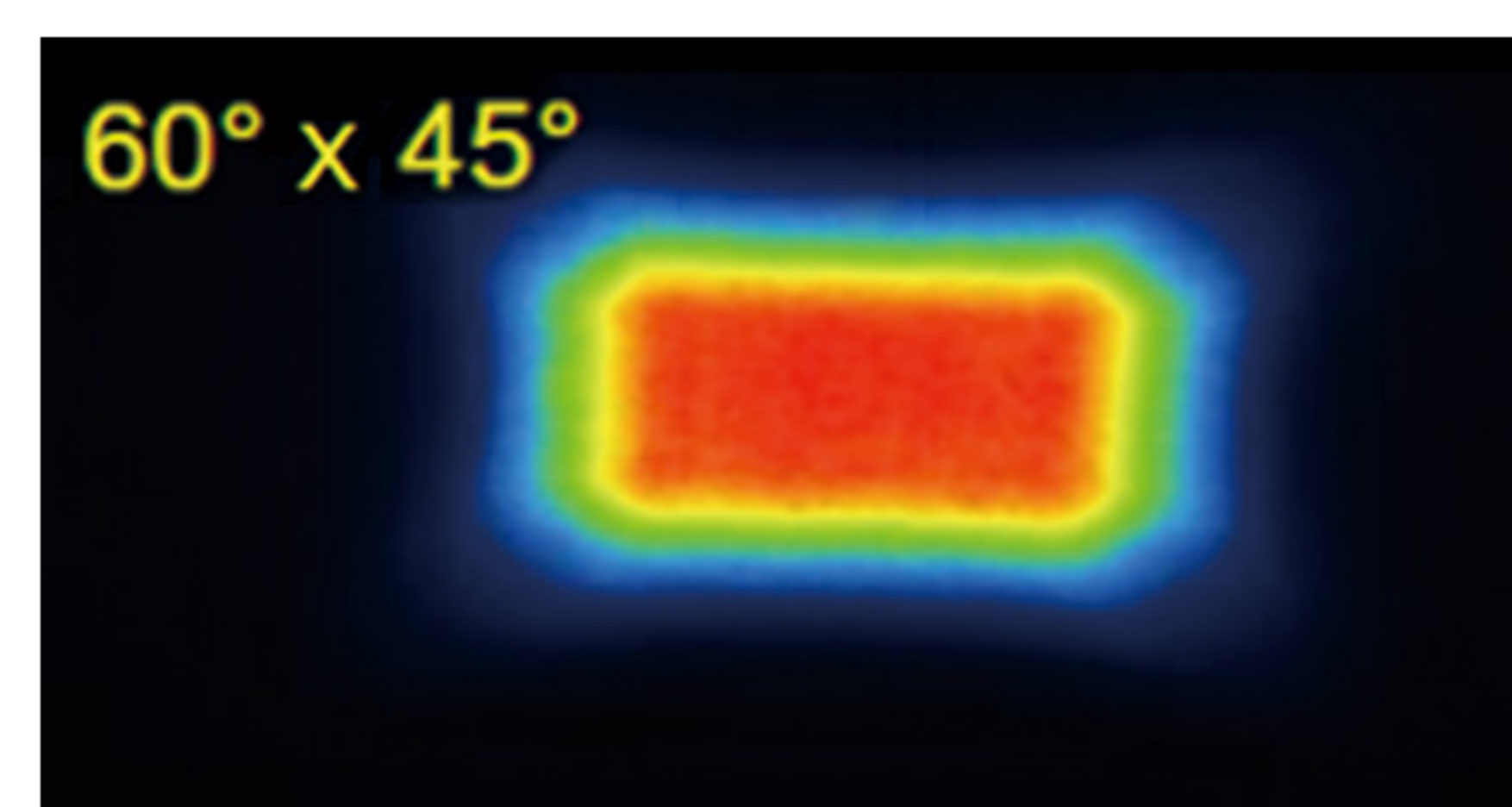
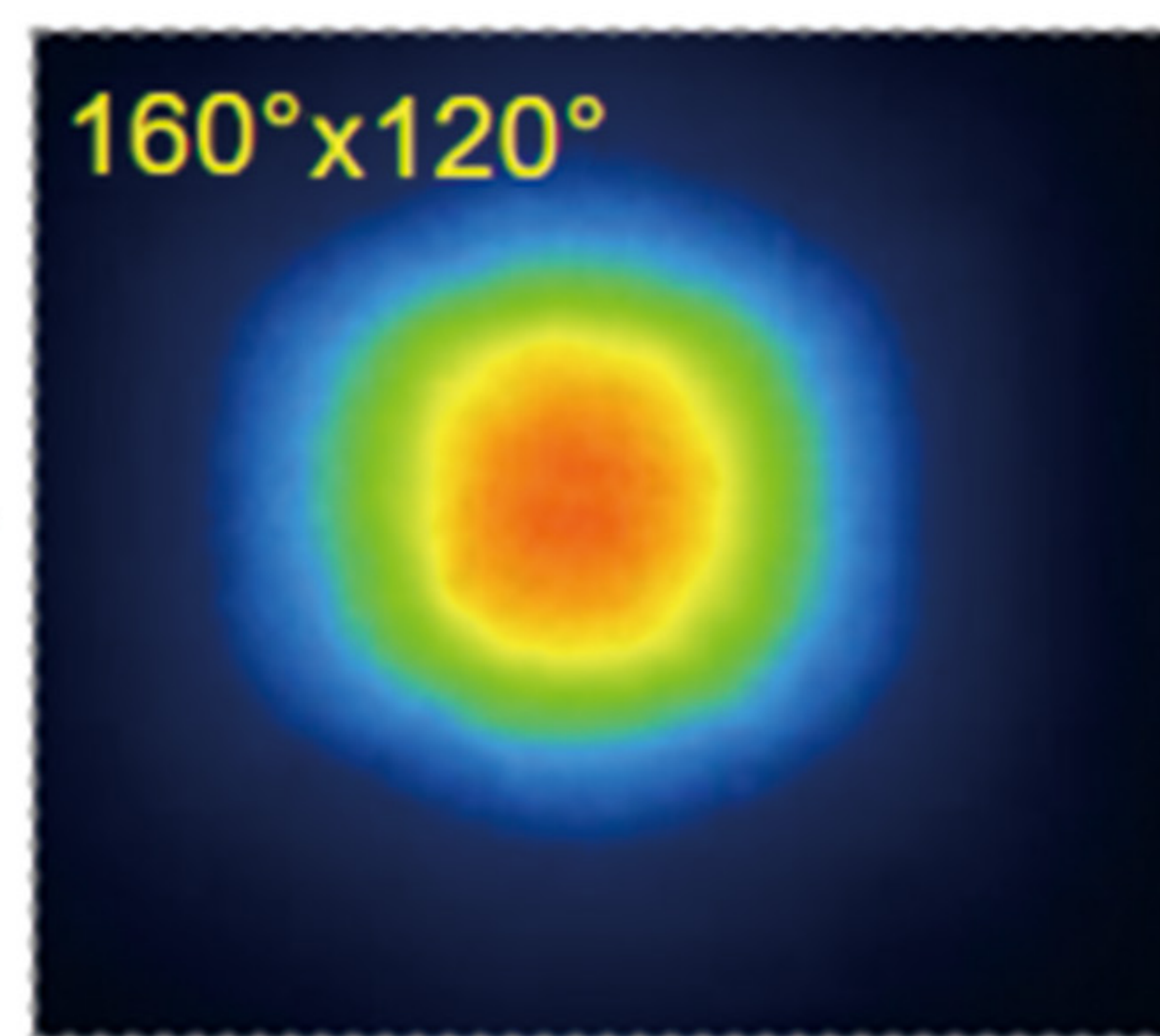
AT02 series 3235 copper wall

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 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. In 2017, Focuslight acquired LIMO, one of the leading manufacturers of micro-optics and beam shaping solutions, and a pioneer in groundbreaking photonics production technologies. After the successful IPO at the Shanghai Stock Exchange Star Market (Ticker Symbol: 688167) in December 2021, Focuslight has unified its brand globally in January 2022. Focuslight has over 400 patents worldwide and is ISO 14001, ISO 45001, ISO 9001, and IATF 16949 certified.