

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.

Focuslight Technologies Inc.

Email: sales@focuslight.com

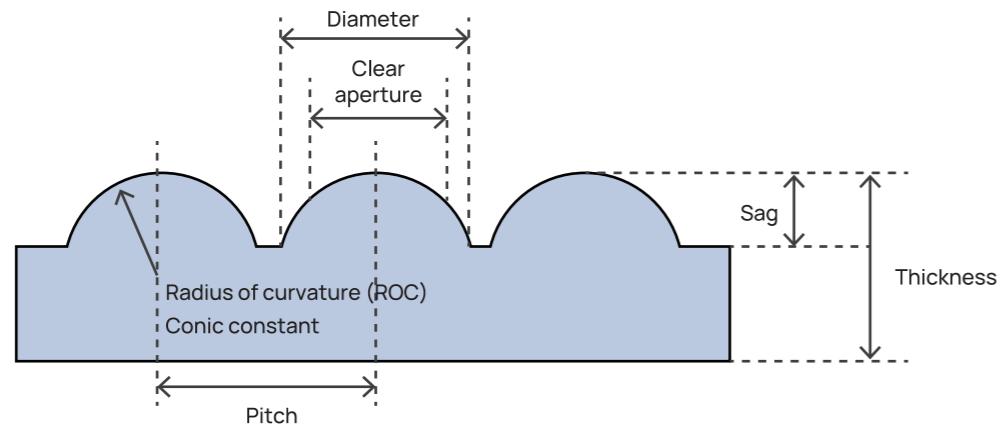


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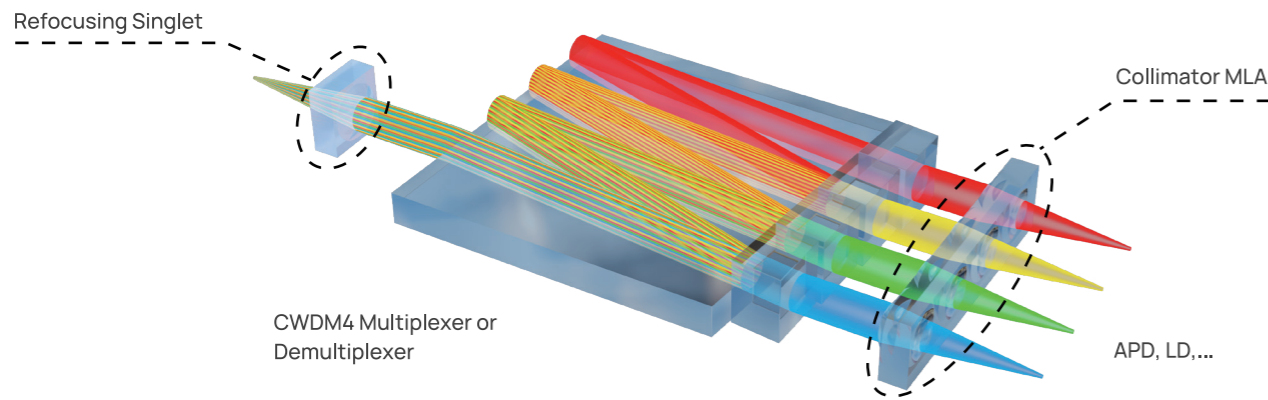
OPTICAL SOLUTIONS FOR TELECOM AND DATACOM APPLICATIONS

Core Parameters

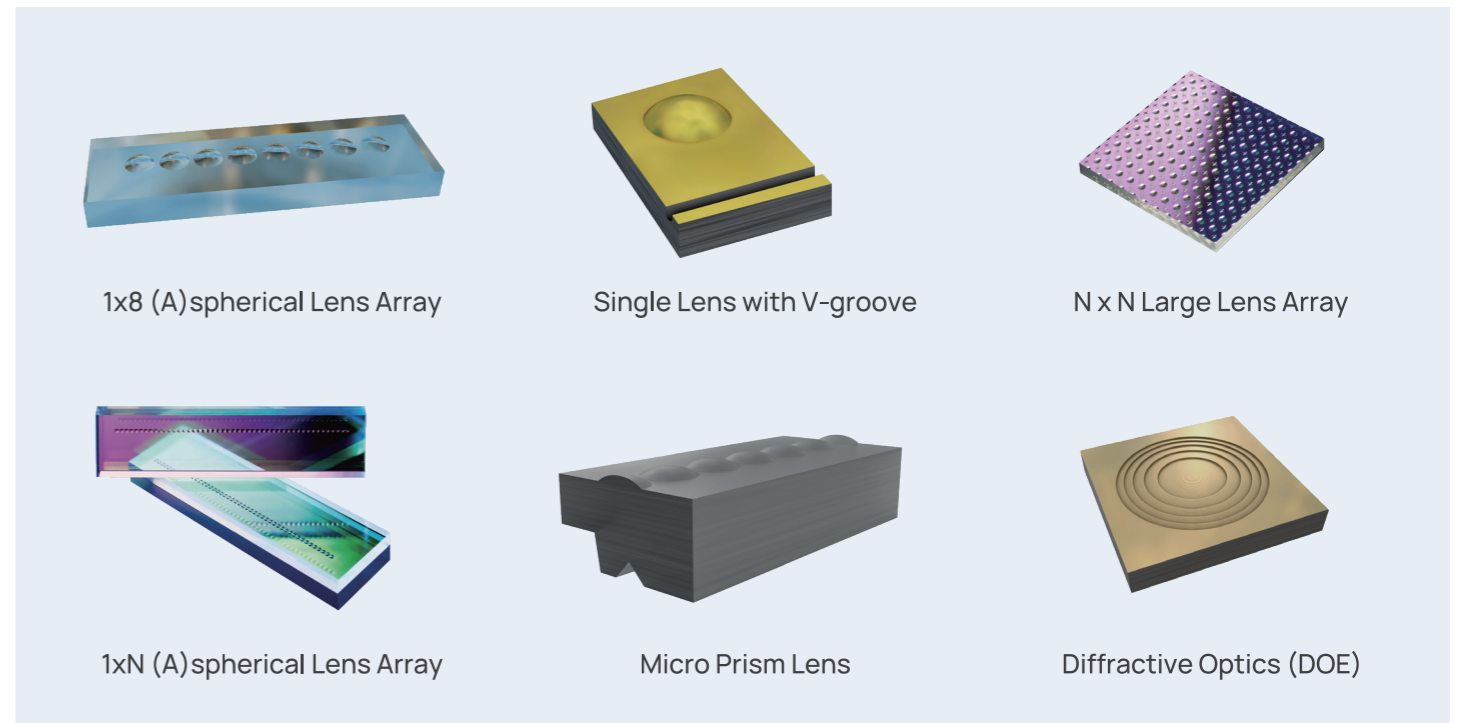
| Specifications | Product Types | |
|----------------------------|---|---|
| Material | Silicon | Fused Silica (various grade) |
| Profile Deviation | Min RMS < 10nm | Min RMS < 10nm |
| Reflectivity | AOI=0-15°R < 0.5% @ 1250-1620nm; Customizable(NIR) | AOI=0-15°R < 0.3% @ 1250-1620nm; Customizable(DUV-NIR) |
| Side Perpendicularity | ±1° | ±1° |
| Dimension Tolerance | ±15µm | ±25µm |
| Thickness Tolerance | ±10µm | ±10µm |
| RoC Range | 150-10000µm | 150-10000µm |
| RoC Tolerance | ±3% | ±3% |
| RoC Tolerance within Array | ±3% | ±3% |
| Surface Roughness | < 5nm | < 5nm |
| Conic Constant | -5-5 | -5-5 |
| Lens Type | Circular, Cylindrical, Square, Hexagonal | Circular, Cylindrical, Square, Hexagonal |
| Lens Profile | Spheres, Aspheric | Spheres, Aspheric |
| Lens Arrangement | Linear, Quad, Hexagonal, Single | Linear, Quad, Hexagonal, Single |
| Array Number | Customizable | Customizable |



Typical Light Path Diagram



Products



Key Specifications

Standard products for Fiber Couplers & Collimators

(Part No. Coupler / Collimator)

| Product Code | Material | Pitch (µm) | Dimensions(mm) | Radius of Curvature (mm) | Wavelength Range(nm) | Lens Layout | Transmittanc |
|--------------|--------------|------------|----------------|--------------------------|----------------------|------------------|-----------------|
| 18-01342 | Silicon | / | 1.2x0.6x0.5 | 0.83 | 1250-1620 | Single lens | > 98% (0 - 15°) |
| 18-01339 | Silicon | / | 1x0.6x0.5 | 1.1 | 1250-1620 | Single lens | > 98% (0 - 15°) |
| 18-00980 | Silicon | 250 | 1.45x0.7x0.38 | 0.355 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00979 | Silicon | 250 | 2.45x0.7x0.38 | 0.355 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-01000 | Fused Silica | 750 | 2.05x4.3x1 | 0.575 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00986 | Silicon | 250 | 0.7x1.45x0.5 | 1.076 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00984 | Silicon | 750 | 2.2x4.45x0.5 | 3.2 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00985 | Silicon | 250 | 0.7x2.45x0.5 | 1.076 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-00999 | Fused Silica | 750 | 2.05x7.3x1 | 0.575 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-00998 | Fused Silica | 250 | 1.3x2.05x0.6 | 0.192 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00978 | Silicon | 750 | 2.2x4.45x0.5 | 1.119 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00997 | Fused Silica | 250 | 1.3x3.05x0.6 | 0.192 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-00983 | Silicon | 750 | 2.2x7.45x0.5 | 3.2 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-00982 | Silicon | 750 | 2.2x4.45x0.5 | 3.378 ± 3% | 1250-1620 | 1x4 linear array | > 98% (0 - 15°) |
| 18-00981 | Silicon | 750 | 2.2x7.45x0.5 | 3.378 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |
| 18-00977 | Silicon | 750 | 2.2x7.45x0.5 | 1.119 ± 3% | 1250-1620 | 1x8 linear array | > 98% (0 - 15°) |