

Powell lens

Key Features:

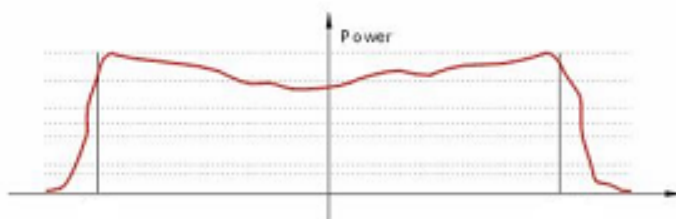
Accurate Fan Angle
 Excellent Uniformity
 Handmade with High Precision

Applications:

Laser Scanning
 High Uniformity Line Laser

| Model Number | SLGL-AA-BBB-CC-X | |
|---------------------------|--|-----------------------------|
| Optical Parameters | Specs | Conditions |
| Wavelength | Red or green | |
| Angle degree | 5°, 10°, 20°, 30°, 45°, 53°, 60°, 70°, 75°, 85°, 90°, 96° | |
| Angle tolerance | ±0.5° @ 10°, 45°, 53°, 60°, 70°, 75°, 85°, 90°, 96° 0°~2° @ 30° ±1° @ 5°, 20° | |
| Beam Diameter | Ø 0.67, Ø1.04, Ø 1.29, Ø1.3, Ø 1.4, Ø 1.76, Ø1.95, Ø2.07, Ø2.4, Ø2.53, Ø2.6, Ø2.85, Ø3.6, Ø4.28, Ø6 | @1/e ² and in mm |
| Line Intensity Uniformity | ≤25%, ≤35%, ≤45% | Pmax. – Pmin. |
| Dimension | X= Φ 8.92±0.02, Y= 6×4.6 | mm |
| Length | 7~9 | mm |

Typical Output Performance



SLGL-AA-BBB-CC-X-A

AA: Angle Degree, from 05 to 96.

BBB: Beam Diameter (1/e²) in mm: 0.6 to 6mm.

CC: Line Intensity Uniformity, from 10% to 45%.

X: Dimension in mm, X= Φ 8.92±0.02

A : AR coating as per request.

Dimensions (Unit: mm):

