

30° Full Fan Angle Laser Line Generator Lens



Powell Lenses

Stock **#43-473** CLEARANCE CONTACT US

- 1 + **S\$361⁴³**

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Volume Pricing	
Qty 1-5	S\$361.43 each
Qty 6-25	S\$298.70 each
Qty 26-49	S\$289.74 each
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SPECIFICATIONS

General

Beam Shaping Lens

Type:

Physical & Mechanical Properties

8.90 +0.00/-0.15	Diameter (mm):
8.90 +0.00/-2.00	Height (mm):
Optical Properties	
N-BK7	Substrate: ☐
VIS-NIR (450-900nm)	Coating:
450 - 900	Wavelength Range (nm):
BBAR @ 450 - 900nm	Coating Specification:
1.517	Index of Refraction (n _d):
30.00	Fan Angle (°):
Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

PRODUCT DETAILS

- Ideal for Alignment and Machine Vision Applications
- Multiple Fan Angles Available
- Creates Uniform, Straight Line

Powell Lenses, also known as Laser Line Generator Lenses, are optimized for a 0.8mm diameter laser beam input. The VIS-NIR coated lenses convert laser beams into uniform, straight lines. Unlike cylindrical lenses, which generate Gaussian beam profiles with hot-spot center points and fading edges, Powell Lenses provide an even distribution of energy along the length of the entire line. Powell Lenses are ideal for alignment and machine vision applications. These lenses are offered with multiple fan angles and come in an 8.90mm diameter size.



TECHNICAL INFORMATION

