

## 45° Full Fan Angle Laser Line Generator Lens



Powell Lenses

Stock **#43-474** CLEARANCE **14 In Stock**

-

1

+

£211<sup>.87</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £211.87 each                  |
| Qty 6-25       | £175.10 each                  |
| Qty 26-49      | £169.85 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**!** Prices shown are exclusive of VAT/local taxes

Product Downloads

### SPECIFICATIONS

#### General

Beam Shaping Lens

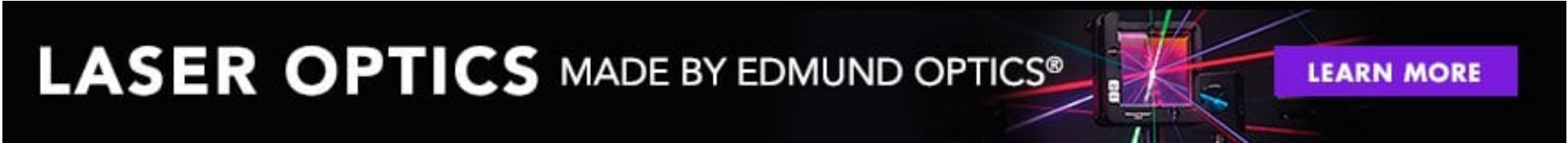
Type:

| Physical & Mechanical Properties |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| 8.90 +0.00/-0.15                 | Diameter (mm):                                                                               |
| 8.90 +0.00/-2.00                 | Height (mm):                                                                                 |
| Optical Properties               |                                                                                              |
| N-SF6                            | Substrate:  |
| VS-NIR (450-900nm)               | Coating:                                                                                     |
| 450 - 900                        | Wavelength Range (nm):                                                                       |
| BBAR @ 450 - 900nm               | Coating Specification:                                                                       |
| 1.805                            | Index of Refraction (n <sub>d</sub> ):                                                       |
| 45.00                            | 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 VS-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

