

TECHSPEC<sup>®</sup> 25.4mm H x 25.4mm L x 150mm FL VIS-NIR, Illumination Grade PCX Cylinder Lens



Stock **#36-224** 2 In Stock

-

1

+

C\$150<sup>.77</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$150.77 each                |
| Qty 6-25       | C\$135.78 each                |
| Qty 26-49      | C\$129.12 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:  
Cylinder Lens, Plano-Convex

Physical & Mechanical Properties

|                                                                                                                    |                                     |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 3.00                                                                                                               | Center Thickness CT (mm):           |
| ±0.1                                                                                                               | Center Thickness Tolerance (mm):    |
| +0.0/-0.2                                                                                                          | Dimensional Tolerance (mm):         |
| 25.4 x25.4                                                                                                         | Dimensions (mm):                    |
| 1.95                                                                                                               | Edge Thickness ET (mm):             |
| Optical Properties                                                                                                 |                                     |
| 150.00                                                                                                             | Effective Focal Length EFL (mm):    |
| N-BK7                                                                                                              | Substrate: <input type="checkbox"/> |
| 5.90551181102362                                                                                                   | f/#:                                |
| 0.08                                                                                                               | Numerical Aperture NA:              |
| VIS-NIR (400-1000nm)                                                                                               | Coating:                            |
| 400 - 1000                                                                                                         | Wavelength Range (nm):              |
| 148.02                                                                                                             | Back Focal Length BFL (mm):         |
| R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm | Coating Specification:              |
| ±3                                                                                                                 | Focal Length Tolerance (%):         |
| 77.52                                                                                                              | Radius R <sub>1</sub> (mm):         |
| 60-40                                                                                                              | Surface Quality:                    |
| Regulatory Compliance                                                                                              |                                     |
| Compliant                                                                                                          | RoHS 2015:                          |
| View                                                                                                               | Certificate of Conformance:         |
| Compliant                                                                                                          | Reach 235:                          |

## PRODUCT DETAILS

- N-BK7 Substrate for Broadband Performance
- Cost-Effective for OEM Integration
- Multiple Coating Options Available

TECHSPEC® Illumination Grade PCXCylinder Lenses are similar to Plano-Convex (PCX) lenses in profile, but include a portion of a cylinder instead of a sphere. These lenses focus light in one dimension and can transform a point of light into a line. TECHSPEC® Illumination Grade PCXCylinder Lenses are available in circular and rectangular versions, along with multiple coating options. Cylinder lenses are ideal for line projection in machine vision applications or guidance systems.

**Note:** For negative focal length cylinder lenses, see our [TECHSPEC® Illumination Grade PCV Cylinder Lenses](#).

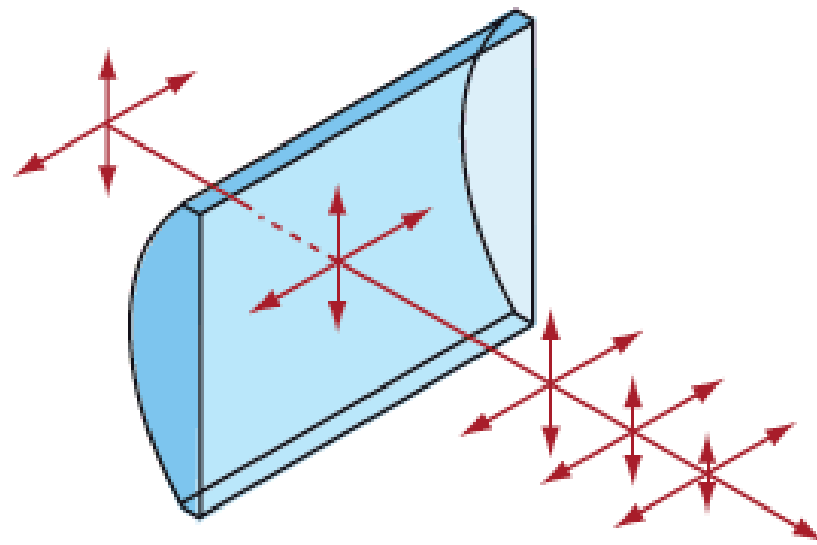
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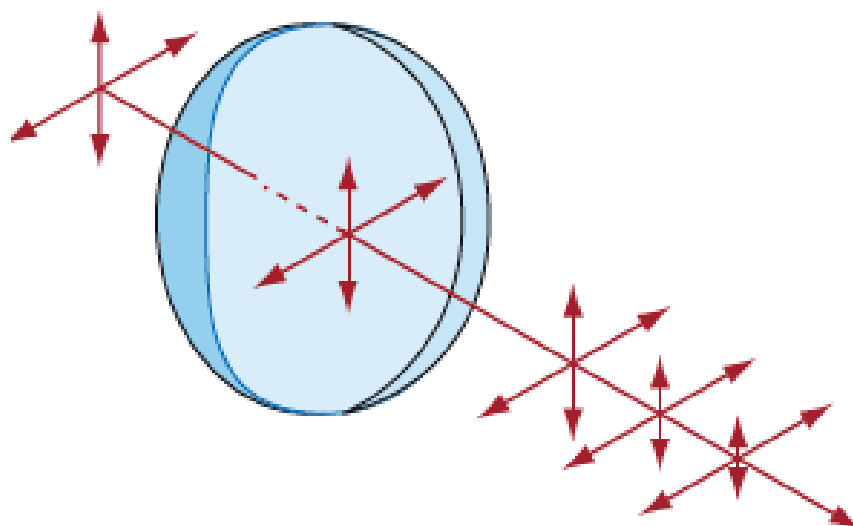
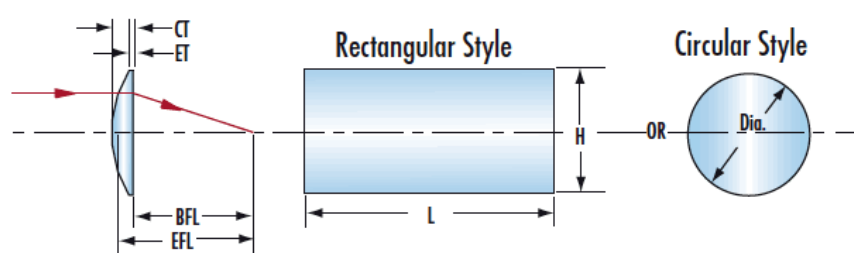
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## TECHNICAL INFORMATION



## PCX Rectangular

Circular And Rectangular Cylinder Lenses



## PCX Circular

### COATING CURVES

### CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).