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TECHSPEC<sup>®</sup> 25mm H x 50mm L x -40mm FL Uncoated, Illumination Grade PCV Cylinder Lens



TECHSPEC® Illumination Grade PCV Cylinder Lenses

Stock **#68-063** 20+ In Stock

-

1

+

₹8,641

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹8,641 each                   |
| Qty 6-25       | ₹7,785 each                   |
| Qty 26-49      | ₹7,396 each                   |
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Product Downloads

General

Cylinder Lens, Plano-Concave

Type:

Physical & Mechanical Properties

4.00

Center Thickness CT (mm):

±0.1

Center Thickness Tolerance (mm):

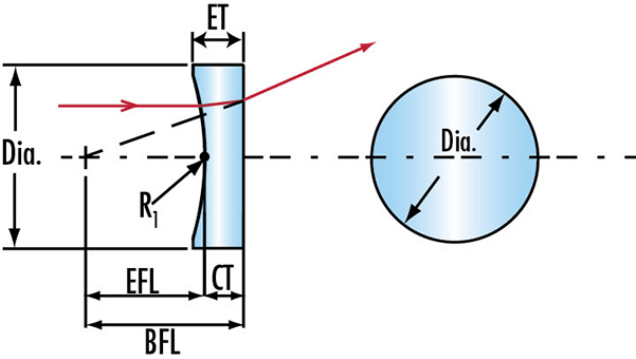
|                    |                                     |
|--------------------|-------------------------------------|
| +0.0/-0.2          | Dimensional Tolerance (mm):         |
| 25.0 x 50.0        | Dimensions (mm):                    |
| 6.47               | Edge Thickness ET (mm):             |
| Optical Properties |                                     |
| -40.00             | Effective Focal Length EFL (mm):    |
| N-SF11             | Substrate: <input type="checkbox"/> |
| Uncoated           | Coating:                            |
| 400 - 2500         | Wavelength Range (nm):              |
| -42.24             | Back Focal Length BFL (mm):         |
| ±3                 | Focal Length Tolerance (%):         |
| -31.39             | Radius R <sub>1</sub> (mm):         |
| 60-40              | Surface Quality:                    |

|                                     |                             |
|-------------------------------------|-----------------------------|
| Regulatory Compliance               |                             |
| Compliant                           | RoHS 2015:                  |
| Compliant                           | REACH 201:                  |
| View                                | Certificate of Conformance: |
| China                               | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## Product Details

- Cylinder Lenses Ideal for 1 Dimensional Laser Beam Convergence
  - Circular and Rectangular Form Factors
  - Multiple Coating Options Available
- TECHSPEC® Illumination Grade PCV Cylinder Lenses are commonly used to turn a collimated laser source into a line generator. These PCV Cylinder Lenses and [TECHSPEC Illumination Grade PCX Cylinder Lenses](#) can be used together for beam expander applications.
- The thin lens approximation for the length of a line generated by a negative cylinder lens is:  $L = 2 * (r_0/f) * (z + f)$  where L is the line length,  $r_0$  is half the beam diameter, z is the projection distance, and -f is the focal length of the lens.

## Technical Information



## 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](#).

