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TECHSPEC® 12.5mm Dia x -12.5mm FL Uncoated, Illumination Grade PCV Cylinder Lens

TECHSPEC® Illumination Grade PCV Cylinder Lenses

Stock **#47-748** **20+ In Stock**

- 1 + **₹4,982**

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Volume Pricing	
Qty 1-5	**₹4,982** each
Qty 6-25	**₹4,476** each
Qty 26-49	**₹4,243** each
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General

Type:

Cylinder Lens, Plano-Concave

Physical & Mechanical Properties

Diameter (mm):

12.50 +0.0/-0.2

Center Thickness CT (mm):

2.00

Center Thickness Tolerance (mm):
±0.1

Edge Thickness ET (mm):
6.83

Optical Properties

Effective Focal Length EFL (mm):
-12.50

Substrate:
N-BK7

f/#:
1.00

Numerical Aperture NA:
0.50

Coating:
Uncoated

Wavelength Range (nm):
350 - 2200

Back Focal Length BFL (mm):
-13.82

Focal Length Tolerance (%):
±3

Radius R_1 (mm):
-6.46

Surface Quality:
60-40

Regulatory Compliance

RoHS 2015:
Compliant

Reach 224:
Compliant

Certificate of Conformance:
View

Country of Origin:
China

Imported By:
Edmund Optics India Private Limited

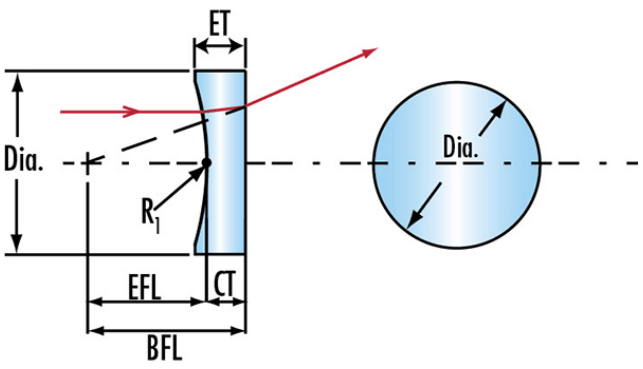
Product Details

- 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



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