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TECHSPEC® 6.25mm Dia x -12.5mm FL VIS 0° Coated, Illumination Grade PCV Cylinder Lens

TECHSPEC® Illumination Grade PCV Cylinder Lenses

Stock **#69-791** **3 In Stock**

- 1 + **£73**.00

ADD TO CART

Volume Pricing	
Qty 1-5	**£73.00** each
Qty 6-25	**£66.00** each
Qty 26-49	**£63.00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Cylinder Lens, Plano-Concave

Physical & Mechanical Properties

Diameter (mm):

6.25 +0.0/-0.2

Center Thickness CT (mm):

1.00

Center Thickness Tolerance (mm):
±0.1

Edge Thickness ET (mm):
1.80

Optical Properties

Effective Focal Length EFL (mm):
-12.50

Substrate:
N-BK7

f/#:
2.00

Numerical Aperture NA:
0.25

Coating:
VIS 0° (425-675nm)

Wavelength Range (nm):
425 - 675

Back Focal Length BFL (mm):
-13.46

Coating Specification:
R_{avg} ≤0.4% @ 425 - 675nm

Focal Length Tolerance (%):
±3

Radius R_1 (mm):
-6.48

Surface Quality:
60-40

Damage Threshold, Reference:
5 J/cm^2 @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

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.

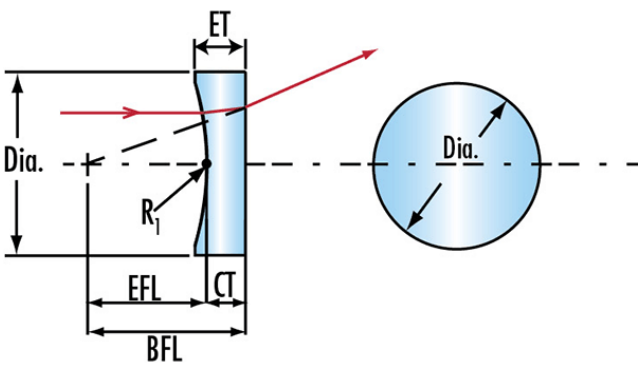
Product Details

- 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



Coating Curves

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