

TECHSPEC[®] 12.7mm x -100mm FL, Uncoated Imaging Grade PCV Cylinder Lens



TECHSPEC[®] Beam Shaping PCV Cylinder Lenses

Stock **#34-620** 20+ In Stock

-

1

+

₹6,345

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Volume Pricing	
Qty 1-5	₹6,345 each
Qty 6-25	₹5,683 each
Qty 26-49	₹5,411 each
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SPECIFICATIONS

General

Cylinder Lens, Plano-Concave

Type:

Physical & Mechanical Properties

Diameter (mm):	
12.70 +0.0/-0.025	
Bevel:	
Protective as needed	
Center Thickness CT (mm):	
2.00	
Center Thickness Tolerance (mm):	
±0.1	
Clear Aperture CA (mm):	
11.43	
Edge Thickness ET (mm):	
2.37	
Optical Properties	
Effective Focal Length EFL (mm):	
-100.00	
Substrate:	
N-BK7	
f#:	
8	
Numerical Aperture NA:	
0.17	
Coating:	
Uncoated	
Wavelength Range (nm):	
350 - 2200	
Back Focal Length BFL (mm):	
-101.32	
Radius R ₁ (mm):	
51.68	
Surface Quality:	
40-20	
Power (P-V) @ 632.8nm:	
1.5λ	
Irregularity (P-V) @ 632.8nm:	
λ/4	
Plano Axis Wedge (arcmin):	
<5	
Power Axis Wedge (arcmin):	
<5	
Regulatory Compliance	
Certificate of Conformance:	
View	

PRODUCT DETAILS

- Beam Shaping Grade Specifications
- Used with [TECHSPEC® Imaging Grade PCX Cylinder Lenses](#) for Circularizing Beams
- Negative Focal Length

TECHSPEC® Imaging Grade PCV Cylinder Lenses are typically used to diverge collimated light in a single axis. These lenses are designed for system integration due to the tightly controlled specifications and generous volume discounts. TECHSPEC Imaging Grade PCV Cylinder Lenses feature tightly controlled wedge and tilt specifications and are ideal for circularizing elliptical beams in combination with our [TECHSPEC Imaging Grade PCX Cylinder Lenses](#).

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](#).