

TECHSPEC[®] 12.7 x 12.7mm x -50mm FL, NIR I Imaging Grade PCV Cylinder Lens



TECHSPEC[®] Beam Shaping PCV Cylinder Lenses

Stock **#35-005** [CONTACT US](#)

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+

S\$148⁰⁰

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Volume Pricing	
Qty 1-5	S\$148.00 each
Qty 6-25	S\$133.00 each
Qty 26-49	S\$126.00 each
Need More?	Request Quote

Product Downloads

General

Type:

Cylinder Lens, Plano-Concave

Physical & Mechanical Properties

Bevel:

Protective as needed

Center Thickness CT (mm):

2.50

±0.1	Center Thickness Tolerance (mm):
11.43 x 11.43	Clear Aperture CA (mm):
+0.0/-0.025	Dimensional Tolerance (mm):
12.7 x 12.7	Dimensions (mm):
3.24	Edge Thickness ET (mm):
<3	Axial Twist (arcmin):

Optical Properties	
-50.00	Effective Focal Length EFL (mm):
N-BK7	Substrate:
4	f/#:
0.13	Numerical Aperture NA:
NIR I (600-1050nm)	Coating:
600 - 1050	Wavelength Range (nm):
-51.65	Back Focal Length BFL (mm):
R _{avg} ≤0.5% @ 600 - 1050nm	Coating Specification:
25.84	Radius R ₁ (mm):
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
<5	Plano Axis Wedge (arcmin):
<5	Power Axis Wedge (arcmin):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Need different specs or modifications?

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

- 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](#).

