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**TECHSPEC® 12.7 x 12.7mm x -50mm FL, NIR II Imaging Grade PCV Cylinder Lens**



TECHSPEC® Beam Shaping PCV Cylinder Lenses

Stock **#35-017** **2 In Stock**

⊖ 1 ⊕ €90.<sup>00</sup>

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Volume Pricing	
Qty 1-5	€90,00 each
Qty 6-25	€80,00 each
Qty 26-49	€77,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Cylinder Lens, Plano-Concave **Type:**

**Physical & Mechanical Properties**

Protective as needed **Bevel:**

**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: <input type="checkbox"/>
4	f#:
0.13	Numerical Aperture NA:
NIR II (750-1550nm)	Coating:
750 - 1550	Wavelength Range (nm):
-51.65	Back Focal Length BFL (mm):
R <sub>abs</sub> ≤1.5% @ 750 - 800nm R <sub>abs</sub> ≤1.0% @ 800 - 1550nm R <sub>avg</sub> ≤0.7% @ 750 - 1550nm	Coating Specification:
25.84	Radius R <sub>1</sub> (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:

## 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](#).

