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TECHSPEC<sup>®</sup> 50mm Dia. x 75mm FL 405nm V-Coat, UV PCX Lens



Stock **#34-078** 8 In Stock

☐ [Other Coating Options](#)

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+

€340<sup>.00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €340,00 each                  |
| Qty 6-25       | €272,00 each                  |
| Qty 26-49      | €255,00 each                  |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

|                                         |                           |
|-----------------------------------------|---------------------------|
| 50.00 +0.0/-0.025                       | Diameter (mm):            |
| ≤1                                      | Centering (arcmin):       |
| 12.50 ±0.10                             | Center Thickness CT (mm): |
| 1.72                                    | Edge Thickness ET (mm):   |
| 49                                      | Clear Aperture CA (mm):   |
| Protective as needed                    | Bevel:                    |
| Fine Ground, Protective Bevel as Needed | Edges:                    |

Optical Properties

|                                 |                                  |
|---------------------------------|----------------------------------|
| 75.00 @ 587.6nm                 | Effective Focal Length EFL (mm): |
| 66.43                           | Back Focal Length BFL (mm):      |
| Laser V-Coat (405nm)            | Coating:                         |
| R <sub>abs</sub> <0.25% @ 405nm | Coating Specification:           |
| Fused Silica (Corning 7980)     | Substrate: □                     |
| 40-20                           | Surface Quality:                 |
| 1.5λ                            | Power (P-V) @ 632.8nm:           |
| λ/4                             | Irregularity (P-V) @ 632.8nm:    |
| ±1                              | Focal Length Tolerance (%):      |
| 34.39                           | Radius R <sub>1</sub> (mm):      |
| 1.5                             | f/#:                             |
| 0.33                            | Numerical Aperture NA:           |
| 405                             | Design Wavelength DWL (nm):      |
| 3 J/cm² @ 405nm, 10ns           | Damage Threshold, By Design: □   |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 235:                  |

## Product Details

- <0.25% Reflection at 405nm for 405nm Diodes
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- 532nm, 633nm, 1064nm, and 1550nm V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCXLenses are available in a variety of laser line V-Coat AR coating options. Designed for maximum throughput at the specified laser wavelength, these lenses are ideal for applications utilizing low power HeNe, Diode, and Nd:YAG laser sources. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components.><0.25%>

## 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](#).

# Compatible Mounts

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