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TECHSPEC[®] 50mm Dia. x 150mm FL 532nm V-Coat, UV PCX Lens



Stock **#34-103** 2 In Stock

☐ [Other Coating Options](#)

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1

+

₹27,926

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹27,926 each
Qty 6-25	₹22,323 each
Qty 26-49	₹20,945 each
Need More?	Request Quote

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.025	
Centering (arcmin):	≤1
Center Thickness CT (mm):	7.00 ±0.10
Edge Thickness ET (mm):	2.29
Clear Aperture CA (mm):	49
Bevel:	Protective as needed
Edges:	Fine Ground, Protective Bevel as Needed

Optical Properties	
Effective Focal Length EFL (mm):	150.00 @ 587.6nm
Back Focal Length BFL (mm):	145.20
Coating:	Laser V-Coat (532nm)
Coating Specification:	R _{abs} <0.25% @ 532nm
Substrate: ☐	Fused Silica (Corning 7980)
Surface Quality:	40-20
Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4
Focal Length Tolerance (%):	±1
Radius R ₁ (mm):	68.77
f##:	3.00
Numerical Aperture NA:	0.17
Design Wavelength DWL (nm):	532
Damage Threshold, By Design: ☐	5 J/cm ² @ 532nm, 10ns

Regulatory Compliance	
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant
Country of Origin:	Japan
Imported By:	Edmund Optics India Private Limited

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

- <0.25% Reflection at 532nm for 2nd Harmonic Nd:YAG Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [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%>

Compatible Mounts

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