

TECHSPEC® 25mm Dia. x 125mm FL 633nm V-Coat, UV PCX Lens



Stock #34-121 **16 In Stock**

[Other Coating Options](#)

1 £132.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£132.80 each
Qty 6-25	£106.40 each
Qty 26-49	£100.00 each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.025

Centering (arcmin):

≤1

Center Thickness CT (mm):

3.42 ±0.10

Edge Thickness ET (mm):

2.04

Clear Aperture CA (mm):

24

Bevel:

Protective as needed

Edges:

Fine Ground, Protective Bevel as Needed

Optical Properties

Effective Focal Length EFL (mm):

125.00 @ 587.6nm

Back Focal Length BFL (mm):

122.65

Coating:

Laser V-Coat (633nm)

Coating Specification:

R_{abs} <0.25% @ 633nm

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 R₁ (mm):

57.30

f#:

5.00

Numerical Aperture NA:

0.10

Design Wavelength DWL (nm):

633

Damage Threshold, By Design:

5 J/cm² @ 633nm, 10ns

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 235:

[Compliant](#)

PRODUCT DETAILS

- <0.25% Reflection at 633nm for HeNe Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [1064nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCX Lenses 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
