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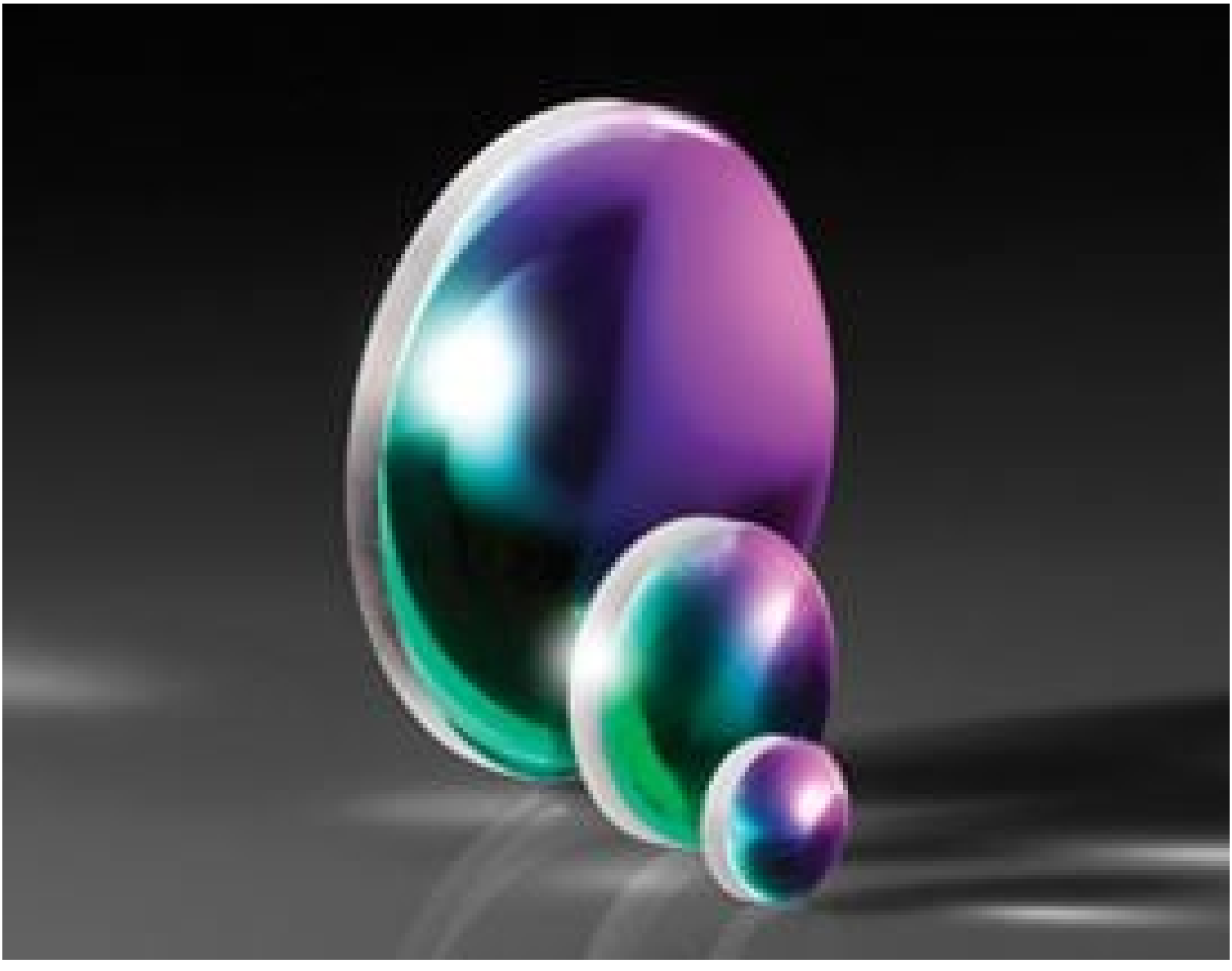
TECHSPEC® 12mm Dia. x 50mm FL 532nm V-Coat, UV PCX Lens



Stock **#34-091** **4 In Stock**

Other Coating Options

- 1 + **£116**.80

ADD TO CART

Volume Pricing	
Qty 1-5	**£116.80** each
Qty 6-25	**£92.80** each
Qty 26-49	**£88.00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):
12.00 +0.0/-0.025

Centering (arcmin):
≤1

Center Thickness CT (mm):
2.90 ±0.05

Edge Thickness ET (mm):
2.1

Clear Aperture CA (mm):
11

Bevel:
Protective as needed

Edges:
Fine Ground, Protective Bevel as Needed

Optical Properties

Effective Focal Length EFL (mm):
50.00 @ 587.6nm

Back Focal Length BFL (mm):
48.01

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):
22.92

f/#:
4.17

Numerical Aperture NA:
0.12

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

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.

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 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%>

Compatible Mounts

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