

25.4mm Dia. x 250mm FL, 261.4nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock #19-740 CLEARANCE 1 In Stock

£93^{.56}

ADD TO CART

Volume Pricing	
Qty	£93.56
1+	each
Need More?	Request Quote

! Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	Download All

General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	25.40 +0.00/-0.025	Centering (arcmin):	<3
Center Thickness CT (mm):	4.00 ±0.10	Edge Thickness ET (mm):	3.27
Clear Aperture CA (mm):	21.59	Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	250.00 @ 355nm	Back Focal Length BFL (mm):	247.36
Coating:	Laser V-Coat (261.4nm)	Coating Specification:	R _{abs} <0.25% @ 261.4nm
Substrate: ⓘ	Fused Silica (Corning 7980)	Surface Quality:	10-5
Power (P-V) @ 632.8nm:	λ	Irregularity (P-V) @ 632.8nm:	λ/10
Focal Length Tolerance (%):	±1	Radius R₁ (mm):	119.02
f/#:	9.84	Numerical Aperture NA:	0.05
Design Wavelength DWL (nm):	261.4	Damage Threshold, By Design: ⓘ	3 J/cm ² @ 266nm, 20ns, 20Hz

Regulatory Compliance

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

- Lenses, Mirrors, and Windows Designed for 261.4nm
- High Damage Thresholds to Withstand High Energy UV Photons
- Ideal for Use with the [UVC Photonics Model 261 Laser](#)

Optics for 261.4nm Lasers are manufactured with tight surface tolerances and high laser damage thresholds to meet the demanding needs of UV laser systems. With lenses, mirrors, and windows designed for 261.4nm available, these optics provide a solution for beam focusing, beam steering, and protecting sensitive components. Optics designed for 266nm that work well at 261nm, including filters, beam expanders, and beam shaping optics, are also available along with UV detection and measurement products. Optics for 261.4nm Lasers are ideal for use with UV lasers, such as the [UVC Photonics Model 261 Laser](#), in applications including UV disinfection systems, biomedical fluorescence, and UV Raman spectroscopy. Please contact us if your application requires a 261.4nm optical component with a custom size, geometry, or coating.

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Coherent® High Sensitivity Optical Power Sensor 1098401 UV, 250-400nm		#88-413	£760.00 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	Laser Detection Card UV		#55-214	£86.40 Volume Pricing Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	Laser Detection Wand UV		#55-293	£158.40 Volume Pricing Request Quote	11 In Stock <input type="text" value="1"/>
MORE+	Bench Mounted Laser Detection Head UV		#55-296	£202.40 Volume Pricing Request Quote	2 In Stock <input type="text" value="1"/>

Related Products



λ/20 High Power Laser Line Windows



High Performance Nd:YAG Laser Line Mirrors
































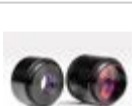







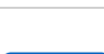







Nd:YAG Harmonic Separators



Laser Line λ/20 High Tolerance Right Angle Mirrors

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	£16.80 Request Quote	9 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	£16.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	£26.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	£26.20 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25mm Thick Inner Single Optic Mount	Fixed		#38-758	£32.80 Request Quote	7 In Stock <input type="text" value="1"/> 
 	25.4mm Inner Single Optic Mount	Fixed		#38-756	£32.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	30mm Cage 25/25.4mm Diameter Lens Mount	Fixed		#85-587	£34.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	30mm Cage 25/25.4mm Diameter Thick Lens Mount	Fixed		#85-588	£36.60 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	£54.40 Request Quote	15 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	£56.80 Request Quote	20+ In Stock <input type="text" value="1"/> 
 	25/25.4mm Diameter, T-Mount Thin Optic Mount	Fixed		#52-292	£57.60 Request Quote	CONTACT US <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	£81.60 Request Quote	5 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	£220.80 Request Quote	CONTACT US <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	£432.00 Request Quote	6 In Stock <input type="text" value="1"/> 
 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	£604.00 Request Quote	2 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

Resources

Media Type

- Application Note
- Technical Tool
- Video
- FAQ
- Trending in Optics
- Glossary
- Scientific Paper
- Published Article

APPLICATION NOTE

An Introduction to Optical Coatings

TECHNICAL TOOL

Gaussian Beams Calculator

VIDEO

Polarization Directed Flat Lenses Product Review

FAQ

What is the best lens for focusing or collimating th...

TRENDING IN OPTICS

Free-Space Optical Communication

APPLICATION NOTE

Common Laser Optics Materials

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