

Family ID #3637

TECHSPEC® Calcium Fluoride Plano-Convex (PCX) Lenses



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- Greater than 90% Transmission from 200nm - 7 μ m
- Low Index of Refraction
- Vacuum Grade UV Substrate

TECHSPEC® Calcium Fluoride Plano-Convex Lenses are ideal for demanding applications that require superior performance from the ultraviolet through the mid-wave infrared spectra. TECHSPEC Calcium Fluoride PCX Lenses' low refractive index, high laser damage threshold, and low axial and radial-stress birefringence are highly suitable for use with Excimer lasers or for integration into infrared systems. Additionally, calcium fluoride features low solubility and offers superior hardness to comparable fluoride-based substrates, making these PCX lenses capable of withstanding harsh environments and exposure to the elements.

Common Specifications

Coating:	Uncoated
Substrate:	Calcium Fluoride (CaF ₂)
Surface Quality:	40-20
Clear Aperture (%):	>90
Centering (arcmin):	<3

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Focal Length Specification 266

Wavelength (nm):

Wavelength Range (µm): 0.2 - 7.0

Wavelength Range (nm): 200 - 7000

Axis Orientation: Random

	Dia. (mm) ↑↓	EFL (mm) ↑↓	BFL (mm) ↑↓	Compare	Stock Number ↑↓	Price	Buy		
	▼	▼	▼						
	12.50	18.00	14.92		#88-160	\$130.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	12.50	25.00	22.61		#88-161	\$130.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	12.50	50.00	48.63		#88-162	\$130.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	25.00	35.00	29.87		#88-163	\$155.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	25.00	50.00	46.58		#88-164	\$155.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	25.00	75.00	73.63		#88-165	\$155.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	25.00	100.00	97.27		#88-166	\$155.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	50.00	75.00	66.45		#88-167	\$400.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	50.00	100.00	93.85		#88-168	\$400.00 VOLUME PRICING Request a Quote	IN STOCK	1	
	50.00	150.00	145.21		#88-169	\$400.00 VOLUME PRICING Request a Quote	IN STOCK	1	

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