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**TECHSPEC® 25mm Dia. x 75mm FL NIR II Coated Calcium Fluoride PCX Lens**



TECHSPEC Calcium Fluoride Plano-Convex (PCX) Lenses

Stock #22-530 [CONTACT US](#)

⊖ 1 ⊕ €252.<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	€252,00 each
Qty 6-25	€202,00 each
Qty 26-49	€190,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Plano-Convex Lens **Type:**

**Physical & Mechanical Properties**

25.00 +0.00/-0.10 **Diameter (mm):**

**Centering (arcmin):**

4.00 ±0.1	Center Thickness CT (mm):
1.67	Edge Thickness ET (mm):
24	Clear Aperture CA (mm):
Protective as needed	Bevel:
<b>Optical Properties</b>	
75.00 @266nm	Effective Focal Length EFL (mm):
73.63	Back Focal Length BFL (mm):
NIR II (750-1550nm)	Coating:
Calcium Fluoride (CaF <sub>2</sub> )	Substrate: <input type="checkbox"/>
40-20	Surface Quality:
λ	Power (P-V) @ 632.8nm:
λ/2	Irregularity (P-V) @ 632.8nm:
34.66	Radius R <sub>1</sub> (mm):
3.00	f#:
0.17	Numerical Aperture NA:
200 - 7000	Wavelength Range (nm):
Random	Axis Orientation:

<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	Reach 235:

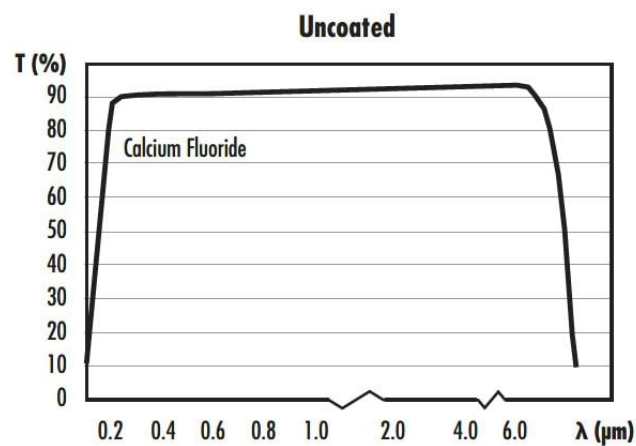
## Product Details

- Low Index of Refraction
- Vacuum Grade UV Substrate
- Uncoated, VIS-NIR, and NIR II Broadband AR Coating Options

TECHSPEC® Calcium Fluoride Plano-Convex Lenses are ideal for demanding applications that require superior performance from the ultraviolet through the mid-wave infrared spectra. The 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. TECHSPEC® Calcium Fluoride Plano-Convex Lenses are offered in 12.5mm, 25mm, and 50mm diameters. The lenses are available uncoated, VIS-NIR, or with NIR II broadband AR coating options.

**Note:** Calcium fluoride is a relatively soft optical material and requires careful handling as it is very easily scratched. Calcium fluoride is also susceptible to thermal shock.

## Technical Information



## Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

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