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# 25.4mm Dia. x -63.5mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) PCV Lens | CF-PC-25-63

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Stock **#24-782** CLEARANCE **1 In Stock**

-

1

+

€169<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €169,00 each                  |
| Qty 10+        | €152,00 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plano-Concave Lens

Model Number:

CF-PC-25-63

Physical & Mechanical Properties

|                      |                           |
|----------------------|---------------------------|
| 25.40 +0.00/-0.13    | Diameter (mm):            |
| Protective as needed | Bevel:                    |
| 2.00 ±0.20           | Center Thickness CT (mm): |
| <3                   | Centering (arcmin):       |
| 22.86                | Clear Aperture CA (mm):   |
| 5.40                 | Edge Thickness ET (mm):   |

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Optical Properties                   |                                     |
| -63.50 @ 5µm                         | Effective Focal Length EFL (mm):    |
| Calcium Fluoride (CaF <sub>2</sub> ) | Substrate: <input type="checkbox"/> |
| 2.50                                 | f/#:                                |
| 0.20                                 | Numerical Aperture NA:              |
| Uncoated                             | Coating:                            |
| 300 - 8000                           | Wavelength Range (nm):              |
| ±2                                   | Focal Length Tolerance (%):         |
| -25.59                               | Radius R <sub>1</sub> (mm):         |
| 60-40                                | Surface Quality:                    |
| λ                                    | Irregularity (P-V) @ 632.8nm:       |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 240:                  |

## Product Details

- Low Index of Refraction
  - IR Grade Calcium Fluoride Substrates
  - Standard Imperial Sizes for Easy Benchtop Integration
- ISP Optics Calcium Fluoride (CaF<sub>2</sub>) Plano-Concave (PCV) Lenses feature IR grade calcium fluoride substrates, providing high transmission in the visible and infrared spectra. Calcium fluoride has a low index of refraction, enabling these lenses to be used without additional Anti-Reflection (AR) coatings. The PCV design diverges incident collimated beams, making them ideal for light projection and beam expansion applications. ISP Optics Calcium Fluoride (CaF<sub>2</sub>) Plano-Concave (PCV) Lenses are available in standard imperial sizes with focal lengths ranging from -25.4 to -500mm.

## 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