

38.1mm Dia. x -63.5mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF₂) PCV Lens | CF-PC-38-63

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Stock **#24-785** CLEARANCE **7 In Stock**

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1

+

£275²⁰

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Volume Pricing	
Qty 1-9	£275.20 each
Qty 10+	£248.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plano-Concave Lens

Model Number:

CF-PC-38-63

Physical & Mechanical Properties

38.10 +0.00/-0.13	Diameter (mm):
Protective as needed	Bevel:
2.50 ±0.20	Center Thickness CT (mm):
<3	Centering (arcmin):
34.29	Clear Aperture CA (mm):
11.00	Edge Thickness ET (mm):

Optical Properties	
-63.50 @ 5µm	Effective Focal Length EFL (mm):
Calcium Fluoride (CaF ₂)	Substrate: ☐
1.67	f/#:
0.30	Numerical Aperture NA:
Uncoated	Coating:
300 - 8000	Wavelength Range (nm):
±2	Focal Length Tolerance (%):
-25.59	Radius R ₁ (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 (CaF₂) 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 (CaF₂) 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