

[See all 2 Products in Family](#)

# 38.1mm Dia. x -63.5mm FL, Uncoated, ISP Optics Calcium Fluoride (CaF<sub>2</sub>) PCV Lens | CF-PC-38-63

See More by [ISP Optics](#)



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

⊖ 1 ⊕ **\$\$481<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-9	<b>\$\$481.60</b> each
Qty 10+	<b>\$\$434.00</b> each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Plano-Concave Lens **Type:**

CF-PC-38-63 **Model Number:**

**Physical & Mechanical Properties**

**Diameter (mm):**

38.10 +0.00/-0.13

Bevel:

Protective as needed

Center Thickness CT (mm):

2.50 ±0.20

Centering (arcmin):

<3

Clear Aperture CA (mm):

34.29

Edge Thickness ET (mm):

11.00

### Optical Properties

Effective Focal Length EFL (mm):

-63.50 @ 5µm

Substrate:

Calcium Fluoride (CaF<sub>2</sub>)

f#:

1.67

Numerical Aperture NA:

0.30

Coating:

Uncoated

Wavelength Range (nm):

300 - 8000

Focal Length Tolerance (%):

±2

Radius R<sub>1</sub> (mm):

-25.59

Surface Quality:

60-40

Irregularity (P-V) @ 632.8nm:

λ

### Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 240:

Compliant

## 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