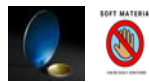


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38.1mm Dia., 4mm Thick, Uncoated, ISP Optics Lithium Fluoride (LiF) Window | LF-W-38-4

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Stock ~~#24-478~~ **CLEARANCE** 1 In Stock

⊖ 1 ⊕ MRP ₹25,165

📌 Price inclusive of all taxes

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General

LF-W-38-4 **Model Number:**

Protective Window **Type:**

Crystal **Type of Window:**

Physical & Mechanical Properties

32.38 **Clear Aperture CA (mm):**

38.10 +0.00/-0.13 **Diameter (mm):**

4.00 ±0.13 **Thickness (mm):**

<3 **Parallelism (arcmin):**

Protective as needed **Bevel:**

90 **Clear Aperture (%):**

Fine Ground **Edges:**

0.33 **Poisson's Ratio:**

64.97 **Young's Modulus (GPa):**

102.00 **Knoop Hardness (kg/mm²):**

Optical Properties

Uncoated **Coating:**

Lithium Fluoride (LiF) **Substrate:**

1.392 **Index of Refraction (n_d):**

60-40 **Surface Quality:**

97.29 **Abbe Number (v_d):**

Random **Axis Orientation:**

150 - 6000 **Wavelength Range (nm):**

2λ@632.8nm **Surface Flatness (P-V):**

Material Properties

2.64 **Density (g/cm³):**

37 **Coefficient of Thermal Expansion CTE (10⁻⁶/°C):**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Latvia **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

Product Details

- Excellent Vacuum UV (VUV) Transmission
- High Transmission from 150nm - 6µm
- Low Index of Refraction

ISP Optics Lithium Fluoride (LiF) Windows provide excellent transmission in the vacuum ultraviolet (VUV) wavelength range of 150 – 200nm, as well as at the hydrogen Lyman-alpha line (121nm). In addition to high transmission into the UV, these windows also feature superior transmission in the Visible and Infrared up to 6µm. Lithium fluoride has a low index of refraction, allowing these windows to be used without an anti-reflection (AR) coating. ISP Optics Lithium Fluoride (LiF) Windows are ideal for use as UV transmission windows in spectroscopy applications, as a diffracting element in X-ray spectrometry, or as infrared windows for thermal imaging applications.

Note: Lithium fluoride is sensitive to thermal shock and is attacked by atmospheric moisture at temperatures above 400°C.

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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