

TECHSPEC<sup>®</sup> 25.4mm Dia., 1mm Thick, Uncoated, Lithium Fluoride (LiF) Window



Lithium Fluoride (LiF) Windows

Stock **#16-805** **5 In Stock**

-

1

+

€380<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €380,00 each                  |
| Qty 11-25      | €343,00 each                  |
| Qty 26-49      | €323,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

21.59

Clear Aperture CA (mm):

Diameter (mm):

|                      |                          |
|----------------------|--------------------------|
| 25.40 +0.00/-0.13    |                          |
| 1.00 ±0.13           | Thickness (mm):          |
| <3                   | Parallelism (arcmin):    |
| Protective as needed | Bevel:                   |
| 85                   | 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: <input type="checkbox"/>    |
| 1.392 @ 0.6µm          | Index of Refraction (n <sub>d</sub> ): |
| 60-40                  | Surface Quality:                       |
| 97.29                  | Abbe Number (v <sub>d</sub> ):         |
| 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 <sup>-6</sup> /°C): |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| <a href="#">View</a>  | Certificate of Conformance: |

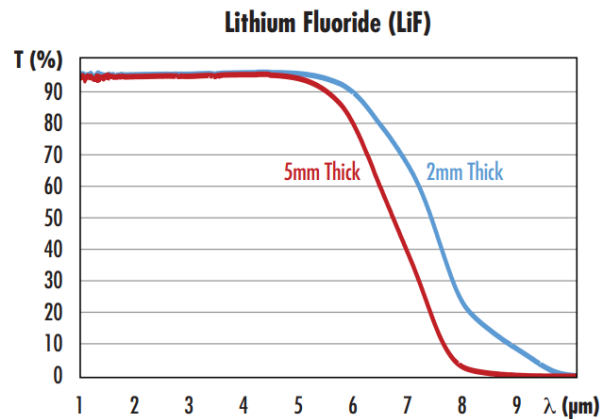
## Product Details

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

Lithium Fluoride (LiF) Windows provide high, flat transmission from 150nm to 6µm. Lithium fluoride has excellent transmission in the vacuum ultraviolet (VUV) wavelength range of 150 - 200nm. Lithium fluoride also has a low index of refraction, allowing these windows to be used without an anti-reflection (AR) coating. 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.

## 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

