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LaKL21 25.4 x 25.4mm Ultrafast Prism

Stock **#89-843** **5 In Stock**

- 1 + **€165**.00

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Volume Pricing	
Qty 1-5	**€165,00** each
Qty 6-9	**€145,00** each
Qty 10+	**€129,00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Equilateral Prism

Physical & Mechanical Properties

Dimensional Tolerance (mm):

+0.0/-0.2

Bevel:

<0.25mm x45°

Clear Aperture (%):	>80
Base Width (mm):	25.40
Base Length (mm):	25.4

Optical Properties

Coating:	Uncoated
Substrate:	LaKL21
Surface Quality:	20-10
Angle Tolerance (arcmin):	±3
Apex Angle (°):	63.00
Group Velocity Dispersion (fs^2/cm):	600.00
Surface Flatness (P-V):	λ/6
Group Velocity Dispersion (fs^2/mm):	60 @ 800nm

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 247:	Compliant

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

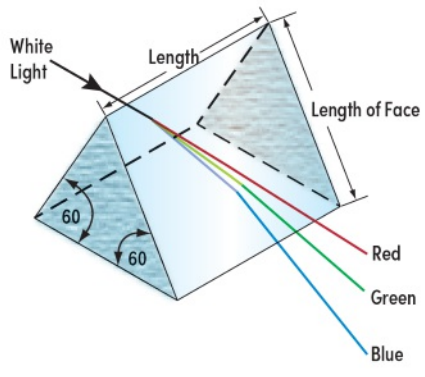
Learn more about our custom manufacturing capabilities or submit an inquiry here.

Product Details

- Polished at Brewster's Angle to Minimize Reflection Loss
- Use Intracavity for Dispersion Compensation
- Use Extracavity to Manipulate Pulse Characteristics

Ultrafast Dispersion-Compensating Prisms are designed for the unique demands of ultrashort pulse laser systems and are available with a range of dispersive properties. When used intracavity, Ultrafast Dispersion-Compensating Prisms can compensate for the dispersion caused by light passing through the fixed cavity optics. When used extracavity, these prisms are used to manipulate pulse characteristics. The Group Velocity Dispersion (GVD) term determines how much a broadband pulse spectrally stretches or compresses and should be chosen depending on the laser source used or the application's dispersion requirements.

Technical Information


White
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Length
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