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TECHSPEC® 12.7mm VIS 0° $\lambda/4$ Fresnel Rhomb Retarder



Stock #36-140 **20+ In Stock**

⊖ 1 ⊕ **\$445^{.20}**

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Volume Pricing	
Qty 1-5	\$445.20 each
Qty 6+	\$413.00 each
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General

Fresnel Retarder **Type:**

Physical & Mechanical Properties

9.45 x 9.45 **Clear Aperture CA (mm):**

±0.10 **Dimensional Tolerance (mm):**

Protective as needed **Bevel:**

12.70

Width (mm):

Optical Properties

VIS 0° (425-675nm)

Coating:

532

Design Wavelength DWL (nm):

N-BK7

Substrate:

$\lambda/4$

Retardance:

20-10

Surface Quality:

$R_{avg} \leq 0.4\% @ 425 - 675nm$

Coating Specification:

425 - 675

Wavelength Range (nm):

12.7

Entrance and Exit Surface (mm):

Regulatory Compliance

Compliant

RoHS 2015:

[View](#)

Certificate of Conformance:

Compliant

Reach 235:

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

- Broadband Performance with <2% Retardance Variation
- 12.7mm and 25.4mm Options Available
- $\lambda/4$ Retardance

TECHSPEC® Fresnel Rhomb Retarders are available with design wavelengths of 532nm and 1064nm. By utilizing a specific angle, Fresnel rhomb retarders impart a retardance with each internal reflection of the light, totaling $\lambda/4$. Each design is paired with either VIS 0° or NIR II coatings to provide efficient transmission across a broad range of wavelengths. These TECHSPEC Fresnel Rhomb Retarders deliver less than 2% retardance variation across the specified wavelength range and are optimized for use in diode and fiber applications.

Coating Curves