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TECHSPEC<sup>®</sup>

12.7mm NIR II  $\lambda/4$  Fresnel Rhomb Retarder



Stock **#36-142** 7 In Stock

-

1

+

£254<sup>.40</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £254.40 each                  |
| Qty 6+         | £236.00 each                  |
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Fresnel Retarder

Type:

Physical & Mechanical Properties

9.27 x 9.27

Clear Aperture CA (mm):

±0.10

Dimensional Tolerance (mm):

|                       |                                     |
|-----------------------|-------------------------------------|
| Protective as needed  | Bevel:                              |
| 12.70                 | Width (mm):                         |
| Optical Properties    |                                     |
| NIR II (750-1550nm)   | Coating:                            |
| 1064                  | Design Wavelength DWL (nm):         |
| N-BK7                 | Substrate: <input type="checkbox"/> |
| $\lambda/4$           | Retardance:                         |
| 20-10                 | Surface Quality:                    |
| 750 - 1550            | Wavelength Range (nm):              |
| 12.7                  | Entrance and Exit Surface (mm):     |
| Regulatory Compliance |                                     |
| Compliant             | RoHS 2015:                          |
| View                  | Certificate of Conformance:         |
| Compliant             | Reach 235:                          |

## 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.

## Custom

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](#).