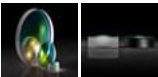
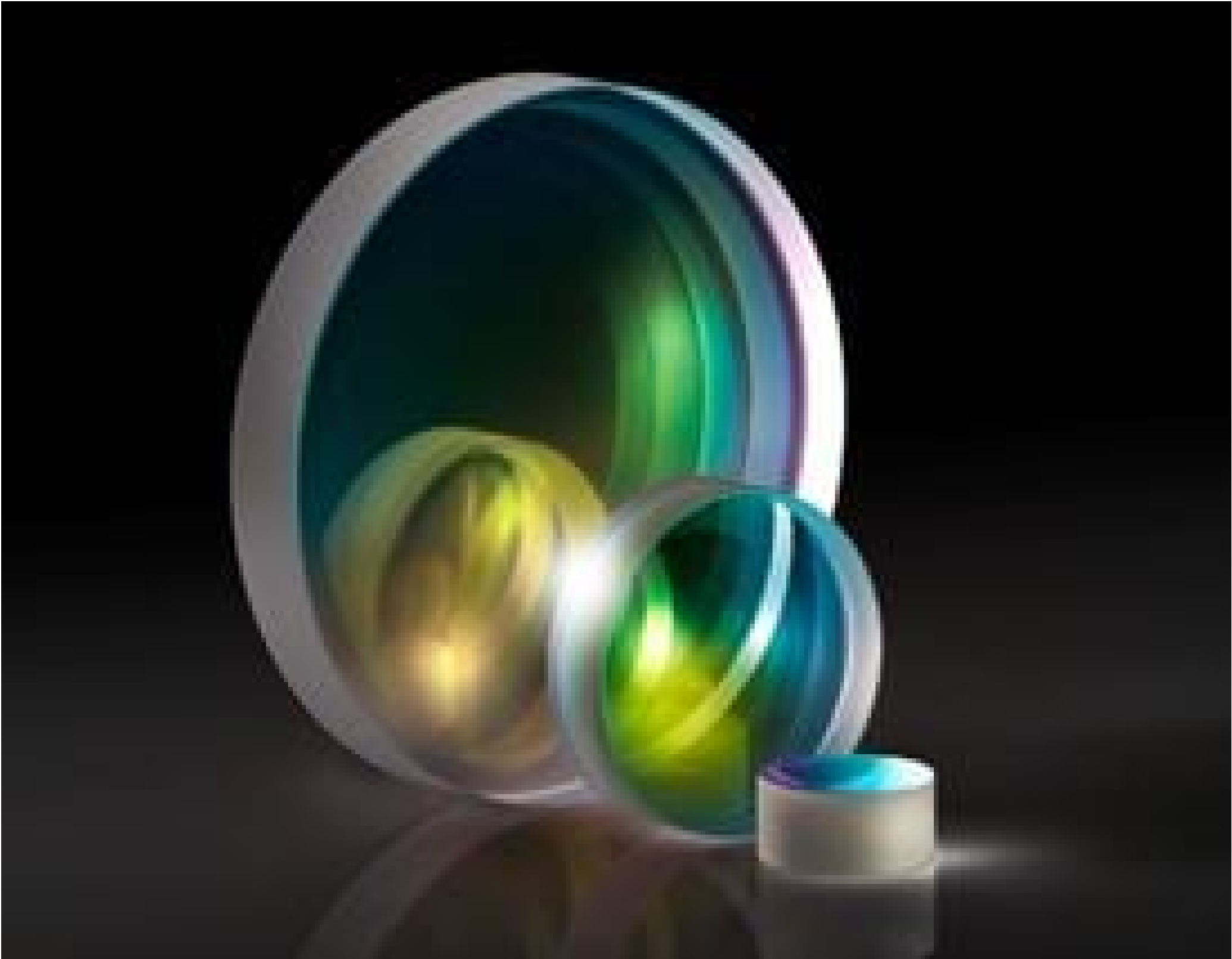


TECHSPEC<sup>®</sup> 9.0mm Dia. x -27 FL, 1064nm V-Coat, UV Plano-Concave Lens



Stock **#21-031** 2 In Stock

-

1

+

€150<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | €150,00 each                  |
| Qty 6-25       | €120,00 each                  |
| Qty 26-49      | €113,00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                    |       |
|----------------------------|-------|
| Plano-Concave Lens         | Type: |
| Max. Flat Annulus is 0.3mm | Note: |

| Physical & Mechanical Properties            |                                                       |
|---------------------------------------------|-------------------------------------------------------|
| 9.00 +0.0/-0.025                            | Diameter (mm):                                        |
| 2.00                                        | Center Thickness CT (mm):                             |
| ±0.05                                       | Center Thickness Tolerance (mm):                      |
| <1                                          | Centering (arcmin):                                   |
| 8.1                                         | Clear Aperture CA (mm):                               |
| 2.73                                        | Edge Thickness ET (mm):                               |
| Optical Properties                          |                                                       |
| -27.00                                      | Effective Focal Length EFL (mm):                      |
| <a href="#">Fused Silica</a> (Corning 7980) | Substrate: <input type="checkbox"/>                   |
| 3.00                                        | f/#:                                                  |
| 0.17                                        | Numerical Aperture NA:                                |
| 1064nm V-Coat                               | Coating:                                              |
| -28.42                                      | Back Focal Length BFL (mm):                           |
| R <sub>abs</sub> <0.25% @ 1064nm            | Coating Specification:                                |
| 1064                                        | Design Wavelength DWL (nm):                           |
| 587.6                                       | Focal Length Specification Wavelength (nm):           |
| ±1                                          | Focal Length Tolerance (%):                           |
| -12.40                                      | Radius R <sub>1</sub> (mm):                           |
| 40-20                                       | Surface Quality:                                      |
| 15 J/cm <sup>2</sup> @ 1064nm, 10ns         | Damage Threshold, By Design: <input type="checkbox"/> |
| 1.5λ                                        | Power (P-V) @ 632.8nm:                                |
| λ/4                                         | Irregularity (P-V) @ 632.8nm:                         |
| Regulatory Compliance                       |                                                       |
| <a href="#">View</a>                        | Certificate of Conformance:                           |

## Product Details

- Negative Focal Lengths for Beam Expansion or Light Projection Applications
- Research-Grade Synthetic Fused Silica Substrate
- <0.25% Reflection at 1064nm for Nd:YAG and Fiber Laser Applications
- [Uncoated and BBAR Coating Options](#) Available

TECHSPEC® 1064nm Laser Line Coated UV Fused Silica Plano-Concave (PCV) Lenses are high performance lenses that feature a low coefficient of thermal expansion. Manufactured using research-grade synthetic fused silica, these lenses provide excellent transmission and chemical purity. TECHSPEC® 1064nm Laser Line Coated UV Fused Silica Plano-Concave (PCV) Lenses are designed for maximum throughput at 1064nm, making them ideal for applications utilizing Nd:YAG laser sources. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components.

## 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](#).

Compatible Mounts

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