

**TECHSPEC® 25.4 x 25.4mm x -50mm FL, NIR II Imaging Grade PCV Cylinder Lens**



TECHSPEC® Beam Shaping PCV Cylinder Lenses

Stock **#35-018** 3-4 DAYS

⊖ 1 ⊕ **€116,00**

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Qty 1-5

€116,00

Qty 6+

€92,50

Volume Pricing

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Effective Focal Length EFL (mm):

-50.00

Substrate: ☐

[N-BK7](#)

f/#:

2

|                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Numerical Aperture NA:</b><br>0.25                                                                                                                   |
| <b>Coating:</b><br>NIR II (750-1550nm)                                                                                                                  |
| <b>Type:</b><br>Cylinder Lens, Plano-Concave                                                                                                            |
| <b>Wavelength Range (nm):</b><br>750 - 1550                                                                                                             |
| <b>Back Focal Length BFL (mm):</b><br>-52.64                                                                                                            |
| <b>Bevel:</b><br>Protective bevel as needed                                                                                                             |
| <b>Center Thickness CT (mm):</b><br>4.00                                                                                                                |
| <b>Center Thickness Tolerance (mm):</b><br>±0.1                                                                                                         |
| <b>Clear Aperture CA (mm):</b><br>22.86 x 22.86                                                                                                         |
| <b>Coating Specification:</b><br>R <sub>abs</sub> ≤1.5% @ 750 - 800nm<br>R <sub>abs</sub> ≤1.0% @ 800 - 1550nm<br>R <sub>avg</sub> ≤0.7% @ 750 - 1550nm |
| <b>Dimensional Tolerance (mm):</b><br>+0.0/-0.025                                                                                                       |
| <b>Dimensions (mm):</b><br>25.4 x 25.4                                                                                                                  |
| <b>Edge Thickness ET (mm):</b><br>7.22                                                                                                                  |
| <b>Radius R<sub>1</sub> (mm):</b><br>25.84                                                                                                              |
| <b>Surface Quality:</b><br>40-20                                                                                                                        |
| <b>Power (P-V) @ 632.8nm:</b><br>1.5λ                                                                                                                   |
| <b>Irregularity (P-V) @ 632.8nm:</b><br>λ/4                                                                                                             |
| <b>Plano Axis Wedge (arcmin):</b><br><5                                                                                                                 |
| <b>Power Axis Wedge (arcmin):</b><br><5                                                                                                                 |
| <b>Axial Twist (arcmin):</b><br><3                                                                                                                      |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |