

TECHSPEC® 12.7 x 12.7mm x 50mm FL, NIR I Laser Grade PCX Cylinder Lens



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-116** 3-4 DAYS

⊖ 1 ⊕

€158,00

ADD TO CART

Qty 1-5

€158,00

Qty 6+

€126,50

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Effective Focal Length EFL (mm):
50.00

Substrate: ☐
[Fused Silica](#) (Corning 7980)

f/#:
4.00

Numerical Aperture NA: 0.125
Coating: NIR I (600-1050nm)
Type: Cylinder Lens, Plano-Convex
Wavelength Range (nm): 600 - 1050
Back Focal Length BFL (mm): 47.95
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.00
Center Thickness Tolerance (mm): ±0.1
Clear Aperture CA (mm): 11.43 x 11.43
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Dimensional Tolerance (mm): +0.0/-0.025
Dimensions (mm): 12.7 x 12.7
Edge Thickness ET (mm): 2.1
Radius R₁ (mm): 22.93
Surface Quality: 20-10
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Plano Axis Wedge (arcmin): <3
Power Axis Wedge (arcmin): <4.5
Axial Twist (arcmin): <3

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant