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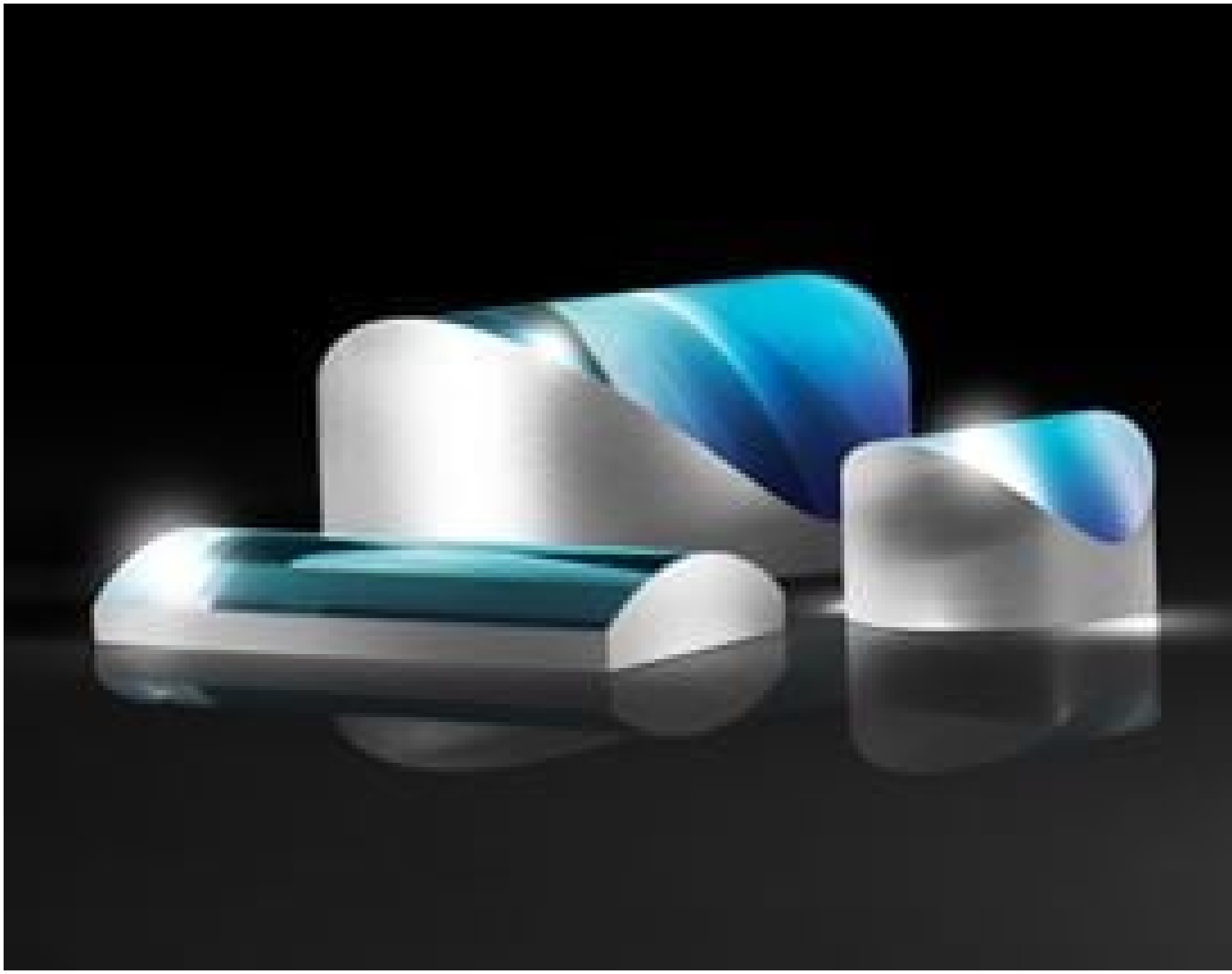
TECHSPEC® 10mm Dia x 50mm FL VIS-NIR Coated, Illumination Grade PCX Cylinder Lens



Stock **#47-964** **3 In Stock**

- 1 + **MRP ₹16,082**

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	**₹16,082** each
Qty 6-25	**₹14,455** each
Qty 26-49	**₹13,785** each
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Product Downloads

General

Type:
Cylinder Lens, Plano-Convex

Physical & Mechanical Properties

Diameter (mm):
10.00

Center Thickness CT (mm):
2.00

Center Thickness Tolerance (mm):
±0.1

Dimensional Tolerance (mm):
+0.0/-0.2

Edge Thickness ET (mm):
1.51

Tilt Tolerance (mm):
±0.1 over H

Wedge Tolerance (arcmin):
15.00

Optical Properties

Effective Focal Length EFL (mm):
50.00

Substrate:
N-BK7

f/#:
5

Numerical Aperture NA:
0.10

Coating:
VIS-NIR (400-1000nm)

Wavelength Range (nm):
400 - 1000

Back Focal Length BFL (mm):
48.68

Coating Specification:
R_{abs} ≤0.25% @ 880nm
R_{avg} ≤1.25% @ 400 - 870nm
R_{avg} ≤1.25% @ 890 - 1000nm

Focal Length Tolerance (%):
±3

Radius R_1 (mm):
25.84

Surface Quality:
60-40

Damage Threshold, By Design:
5 J/cm^2 @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant

Country of Origin:
Japan

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

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.

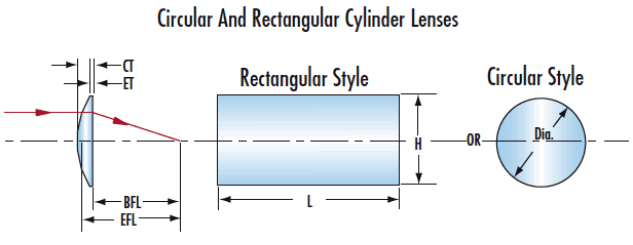
Product Details

- N-BK7 Substrate for Broadband Performance
- Cost-Effective for OEM Integration
- Multiple Coating Options Available

TECHSPEC® Illumination Grade PCX Cylinder Lenses are similar to Plano-Convex (PCX) lenses in profile, but include a portion of a cylinder instead of a sphere. These lenses focus light in one dimension and can transform a point of light into a line. TECHSPEC® Illumination Grade PCX Cylinder Lenses are available in circular and rectangular versions, along with multiple coating options. Cylinder lenses are ideal for line projection in machine vision applications or guidance systems.

Note: For negative focal length cylinder lenses, see our **TECHSPEC® Illumination Grade PCV Cylinder Lenses**.

Technical Information



Coating Curves

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