

TECHSPEC®

5mm H x 10mm L x 20mm FL VIS-NIR Coated, Illumination Grade PCX Cylinder Lens



Stock **#47-958** **1 In Stock**

- 1 + MRP ₹14,792

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-5	₹14,792 each
Qty 6-25	₹13,256 each
Qty 26-49	₹12,584 each
Need More?	Request Quote

Product Downloads

General

Cylinder Lens, Plano-Convex **Type:**

Physical & Mechanical Properties

Center Thickness CT (mm):
1.00

Center Thickness Tolerance (mm):

±0.1

Dimensional Tolerance (mm):

+0.0/-0.2

Dimensions (mm):

5.0 x 10.0

Edge Thickness ET (mm):

0.69

Tilt Tolerance (mm):

±0.1 over H

Wedge Tolerance (arcmin):

15.00

Optical Properties

Effective Focal Length EFL (mm):

20.00

Substrate:

N-BK7

f#:

4

Numerical Aperture NA:

0.13

Coating:

VIS-NIR (400-1000nm)

Wavelength Range (nm):

400 - 1000

Back Focal Length BFL (mm):

19.34

Coating Specification:

R_{abs} ≤ 0.25% @ 880nm

R_{avg} ≤ 1.25% @ 400 - 870nm

R_{avg} ≤ 1.25% @ 890 - 1000nm

Focal Length Tolerance (%):

±3

Radius R₁ (mm):

10.32

Surface Quality:

60-40

Damage Threshold, By Design:

5 J/cm² @ 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

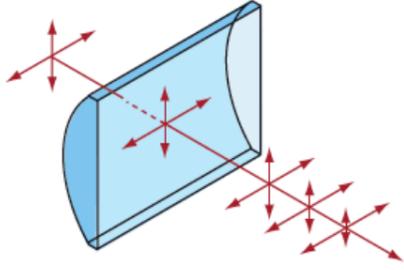
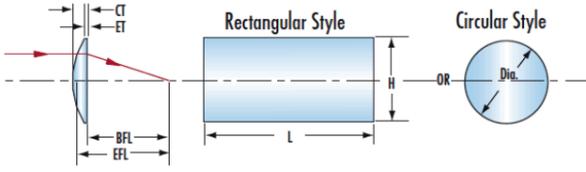
- N-BK7 Substrate for Broadband Performance
- Cost-Effective for OEM Integration
- Multiple Coating Options Available

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.



Technical Information

Circular And Rectangular Cylinder Lenses



PCX Rectangular

Coating Curves