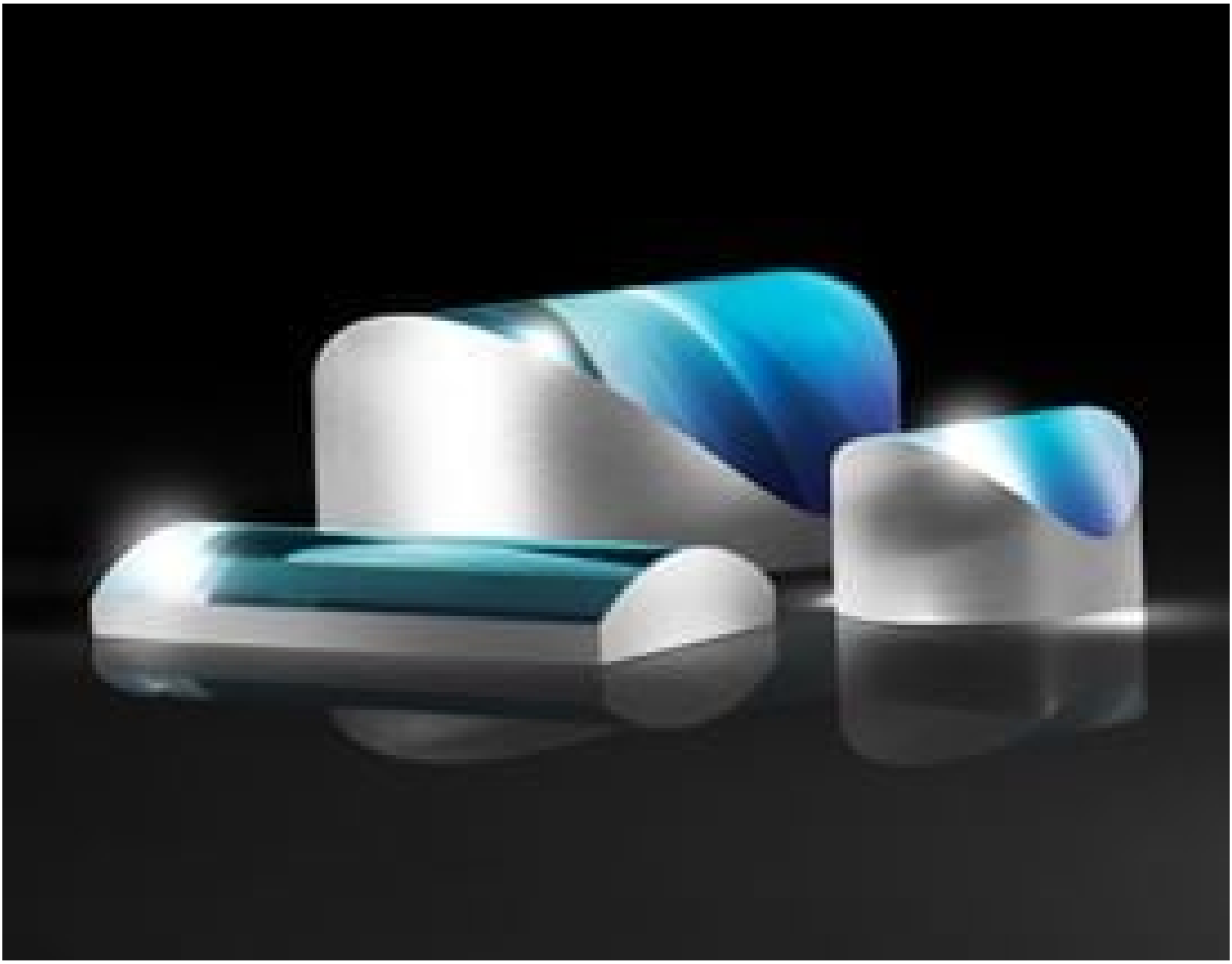
# TECHSPEC® 5mm Dia x 30mm FL Uncoated, Illumination Grade PCX Cylinder Lens



Stock **#45-982** CLEARANCE **14 In Stock**

- 1 + €56.60

**ADD TO CART**

| Volume Pricing | |
|---|---|
| Qty 1+ | **€56,60** each |
| Need More? | Request Quote |

Prices shown are exclusive of VAT/local taxes

Product Downloads

## SPECIFICATIONS

### General

**Type:**

Cylinder Lens, Plano-Convex

### Physical & Mechanical Properties

**Diameter (mm):**

5.00

| | |
|---|---|
| **Center Thickness CT (mm):** | 3.00 |
| **Center Thickness Tolerance (mm):** | ±0.1 |
| **Dimensional Tolerance (mm):** | +0.0/-0.2 |
| **Edge Thickness ET (mm):** | 2.80 |
| **Tilt Tolerance (mm):** | ±0.1 over H |
| **Wedge Tolerance (arcmin):** | 15.00 |

## Optical Properties

| | |
|---|---|
| **Effective Focal Length EFL (mm):** | 30.00 |
| **Substrate:** | N-BK7 |
| **f/#:** | 6 |
| **Numerical Aperture NA:** | 0.08 |
| **Coating:** | Uncoated |
| **Wavelength Range (nm):** | 350 - 2200 |
| **Back Focal Length BFL (mm):** | 28.02 |
| **Focal Length Tolerance (%):** | ±3 |
| **Radius $R_1$ (mm):** | 15.50 |
| **Surface Quality:** | 60-40 |

## Regulatory Compliance

| | |
|---|---|
| **Certificate of Conformance:** | View |

# PRODUCT DETAILS

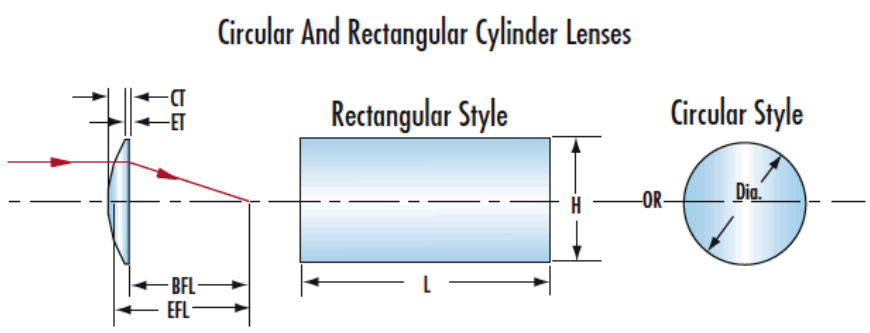
- N-BK7 Substrate for Broadband Performance
- Cost-Effective for OEM Integration
- Multiple Coating Options Available

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




# 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.**